



FINAL PROGRAM

FESSH - ON (LINE) – WEEK

VIRTUAL CONGRESS
1-5 SEPTEMBER, 2020



FESSH
Federation of
European Societies for
Surgery of the Hand

www.fessh2020.com



FESSH
Federation of
European Societies for
Surgery of the Hand

EUROPEAN UNION OF MEDICAL SPECIALISTS (UEMS)
EUROPEAN ACCREDITATION COUNCIL ON CME (EACCME®)
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Subject : EACCME® Accreditation of event reference #LEE20-00437

We are pleased to inform you that your application for EACCME® accreditation of
25th FESSH-EFSHT Congress - 'Hands in the Heart of Europe', Budapest (live streaming), Hungary, 01/09/2020-05/09/2020
has been granted 21 European CME credits (ECMEC®s) by the European Accreditation Council for Continuing Medical Education (EACCME®).

Accreditation Statement

"The 25th FESSH-EFSHT Congress - 'Hands in the Heart of Europe', Budapest (live streaming), Hungary, 01/09/2020-05/09/2020 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 21 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity."

"Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at www.ama-assn.org/education/earn-credit-participation-international-activities.

"Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada."

EACCME® credits

Each participant can only receive the number of credits he/she is entitled to according to his/her actual participation at the event once he/she has completed the feedback form. Cf. criteria 9 and 23 of UEMS 2016.20.

In order to help you issue individual certificates to each participants, please find below the breakdown of ECMEC®s per day:

02.09.2020 - 3.00

03.09.2020 - 5.00

04.09.2020 - 6.00

05.09.2020 - 6.00

01.09.2020 - 1.00

The EACCME® awards ECMEC®s on the basis of 1 ECMEC® for one hour of CME with a maximum of 8 ECMEC®s per day. Cf. Chapter X of UEMS 2016.20.

The UEMS-EACCME Secretariat

FESSH 2020

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WELCOME MESSAGE

CONGRESS PRESIDENTS



Dear Colleagues, Dear Friends,

This year there is no physical, face-to-face congress of the FESSH for the first time in 25 years. This decision of the FESSH Executive Committee is based on **Rationality, Fairness and Solidarity**.

Why Rationality?

We all had to learn in the last three months that even in our societies the only certainty is the uncertainty. The impressive dynamics of the disease and the consequential public health decisions, changed parts of our lives, more than once, over night.



For example the Swiss government decided recently that events with more than 1000 participants are banned at least until the end of August, depending on the disease activity. So the FESSH congress in Basel starting September 1st. would have been one of the very first events in Switzerland with this amount of people. It is more than likely, if it would be possible to open the doors, that it would go along with major restrictions including social distancing, which would affect the so important personal interaction fundamentally. Not only would it be impossible to have a regular opening ceremony, the FESSH party or any other major get-togethers, but the whole industrial exhibition would be regulated the way, that our industrial partners would be much more isolated than usual.

In addition the often quoted and feared second wave of infections, could be a major game changer again and even with the best concept inhibit the event with short notice.

We felt the last days and weeks, that more and more colleagues, industrial partners and member societies would be relieved to have a decision about the event in Basel. It is easier to cope with a decision, if you like it or not, than with the uncertainty. A survey among the presidents and the delegates of our member societies showed that the majority thinks that they have major difficulties to attend the meeting.

Therefore, together with the still existing travel restrictions, it seems rational to search for an alternative format for the FESSH anniversary meeting 2020.

Why Fairness?

Not all countries, nor in Europe neither in the rest of the world, have been hit the same way and at the same time of the pandemic crisis. Individual political solutions have been taken and the fact that within Europe different dynamics of the disease spread have been observed, lead to a heterogeneous pattern of the individual local situation. Although different countries started to re-open their lock-down measures it will take months to unify Europe again in terms of personal freedom. Traveling within Europe and even more trans-continental will be significantly affected at least the rest of the year.

Unequal conditions, provoked by the pandemic, cause diverse opportunities among our member societies. In addition colleagues, who belong to a risk population, would be double punished. For the Executive Committee it seems therefore just a matter of fairness to offer a meeting format, which is open for all.

Why **Solidarity**?

The virus provoked an economical crisis, which is just at the beginning to show its ugly face. Not only individuals are touched, but also the whole MedTech industry. We all had or still have a significant lowering of the workload and the subsequent revenue. Especially the colleagues in private, with running fixed expenses might even get at their financial limits. The lower turnover and the vanishing sales volume are forcing the companies to go over their budgets again and to reduce expenses significantly. Unfortunately this will also affect budgets for congresses and educational activities. We already had several companies withdrawing their engagement for the Basel congress. FESSH also feels responsible for our loyal partners and would like to offer a helping hand to trim the costs but still offer hand surgical education on high level in 2020. This is for us an act of solidarity which we take serious.

For all these reasons the FESSH Executive Committee decided to resigned from a face-to-face congress in September in Basel but would like to offer an attractive alternative at the same dates.

The so-called FESSH-ON(line)-WEEK from the 1st to 5th of September will provide excellent educational events in different formats. Centerpiece will be the two full day event Friday the 4th and Saturday the 5th of September with live surgical cad-lab demonstrations and battles. On the other days early morning sessions and late night shows offer a great opportunity to combine work and education.

For a minimal fee maximal content shall be offered.

Daniel Herren and Maurizio Calcagni

The Presidents of the FESSH Congress Organizing Committee

FESSH 2020

CONGRESS CHAIRS

Maurizio Calcagni
Daniel Herren

SCIENTIFIC COMMITTEE

Chairs: Maurizio Calcagni (*Switzerland*)
Daniel Herren (*Switzerland*)

Brigitte van der Heijden (*The Netherlands*)
Simon Farnebo (*Sweden*)
Henk Coert (*The Netherlands*)
Lindsay Muir (*UK*)
Alex Lluch (*Spain*)
Radek Kebrle (*Czech Republic*)
Andrea Atzei (*Italy*)
Florian Früh (*Switzerland*)
Philip Honigmann (*Switzerland*)
Laurent Wehrli (*Switzerland*)
Inga Besmens (*Switzerland*)

INSTRUCTIONAL COURSE

Stephan Schindele
Grey Giddins
Philippe Bellemère

FESSH COUNCIL MEMBERS

Secretary General

Maurizio Calcagni (*Switzerland*)

Treasurer

Daniel Herren (*Switzerland*)

Congress Committee

Bridgitte van der Heijden (*The Netherlands*)

Examination Committee

Martin Richter (*Germany*)

Hand Trauma Committee

Pierluigi Tos (*Italy*)

Historian

Martin Langer (*Germany*)

Journal of Hand Surgery Committee

Gürsel Leblebicioglu (*Turkey*)

Relationship Committee

Frederik Verstreken (*Belgium*)

Research Committee

Simon Farnebo (*Sweden*)

Social Media Committee

Zafar Naqui (*UK*)

Training and Education Committee

David Shewring (*UK*)

Editor-in-Chief of the Journal of Hand Surgery (European Volume)

Jin Bo Tang (*China*)


FESSH Management Office

Andrea Götz, Krisztina Szigedi, Nándor Mátrai

FESSH MEMBER NATIONAL SOCIETIES

-  Austrian Society for Surgery of the Hand (ÖGH)
-  Belgian Hand Group (BHG)
-  Bulgarian Society for Surgery of the Hand (BSSH)
-  Czech Society for Surgery of the Hand (CSCR)
-  The Danish Society for Surgery of the Hand (DSFH)
-  Estonian Society for Surgery of the Hand (EKKS)
-  The Finnish Society for Surgery of the Hand (SKKY)
-  French Society for Surgery of the Hand (SFCM/GEM)
-  German Society for Surgery of the Hand (DGH)
-  Hellenic Society for Surgery of the Hand and Upper Limb (EEXX)
-  Hungarian Society for Surgery of the Hand (MKT)
-  Irish Hand Surgery Society (IHSS)
-  Italian Society for Surgery of the Hand (SICM)
-  Latvian Association for Surgery of the Hand (LRKA)
-  Norwegian Society for Surgery of the Hand (NFH)
-  Polish Society for Surgery of the Hand (PTCR)
-  Portuguese Society of Hand Surgery (SPOCMA)
-  Romanian Society for Surgery of the Hand (SRCR)
-  Russian Hand Surgery Society-Hand Group (RKG)
-  Serbian Society for the Surgery of the Hand (SSHS)
-  Spanish Society for Surgery of the Hand (SECMA)
-  Swedish Society for Surgery of the Hand (SFH)
-  Swiss Society for Surgery of the Hand (SGH)
-  The Netherlands Society for Surgery of the Hand (NVvH)
-  Turkish Society for Surgery of the Hand and Upper Extremity (TCD)
-  Ukrainian Hand Surgery Society (UHSS)
-  The British Society for Surgery of the Hand (BSSH)

Associate member

-  The Israeli Society for Surgery of the Hand (ISSH)

Corresponding members

-  Egyptian Society for Surgery of the Hand and Microsurgery (ESSHM)
-  Hong Kong Society for Surgery of the Hand
-  Lithuanian Society for Surgery of the Hand (LSSH)
-  Slovak Association for Hand Surgery (SSCR)
-  Slovene Society for Surgery of the Hand
-  The South African Society for Surgery of the Hand (SASSH)
-  The Korean Society for Surgery of the Hand (KSSH)

FESSH CONGRESSES

PAST FESSH CONGRESSES

- 1993 – Brussels, Belgium – G. Lejeune
- 1994 – Dublin, Ireland – J. Varian
- 1996 – Paris, France – A. Gilbert
- 1997 – Bologna, Italy – A. Landi
- 1998 – Vienna, Austria – H. Milesi
- 1999 – Bonn, Germany – P. Bruser
- 2000 – Barcelona, Spain – A. Lluch
- 2002 – Amsterdam, The Netherlands – S. Hovius
- 2003 – Lisboa, Portugal – A.C. Ferreira
- 2005 – Goteborg, Sweden – A. Nachemson
- 2006 – Glasgow, Scotland – P. Burge
- 2007 – Athens, Greece – K. N. Malizos
- 2008 – Laussane, Switzerland – D.V. Egloff
- 2009 – Poznan, Poland – L. Romanowski
- 2010 – Bucarest, Romania – A. Georgescu
- 2011 – Oslo, Norway – L.E. Myrseth
- 2012 – Antwerpen, Belgium – Y. Baeten & J. Bahm
- 2013 – Antalya, Turkey – S. Ada
- 2014 – Paris, France – C. Mathoulin
- 2015 – Milan, Italy – G. Pajardi
- 2016 – Santander, Spain – F. Del Piñal
- 2017 – Budapest, Hungary – Zs. Szabó
- 2018 – Copenhagen, Denmark – M. Boeckstyns
- 2019 – Berlin, Germany – J. V. Schoonhoven, M. Haerle, A. Eisenschenk

FUTURE FESSH CONGRESSES

XXVI FESSH Congress

Rotterdam, the Netherlands

June 16-19, 2021

15th IFSSH and XXVII FESSH Combined Congress

London, UK

June 6-10, 2022

XXVIII FESSH Congress

Rimini, Italy

17-20 May, 2023

FESSH 2020 PROGRAM

TUESDAY, 1 SEPTEMBER 2020

20:00-21:15 OPENING CEREMONY

Moderators: Maurizio Calcagni | *Switzerland*, Daniel Herren | *Switzerland*

20:00-20:10 CONGRESS PRESIDENTS' WELCOME

Maurizio Calcagni | *Switzerland*, Daniel Herren | *Switzerland*

20:10-20:15 CONGRESS PROGRAM INFORMATION

Maurizio Calcagni | *Switzerland*, Daniel Herren | *Switzerland*

20:15-20:25 COVID-19 PANDEMIC AND HAND SURGERY; THE INFLUENCE ON QUALITY OF LIFE AND PROMS

Ruud Selles | *The Netherlands*

20:25-20:45 LEADING IN TIMES OF COVID

Kevin Chung | *USA*

20:45-21:05 A JOURNEY THROUGH THE HAND SURGICAL UNIVERSE, SPANNING FROM MOLECULES TO SOCIOECONOMIC FACTORS

Lars Dahlin | *Sweden*

21:05-21:10 FESSH MOVIE

21:10-21:15 TOAST FROM THE CONGRESS PRESIDENTS

FESSH 2020 PROGRAM

WEDNESDAY, 02 SEPTEMBER 2020	
07:30-08:15	FESSH TALK SHOW The SL-ligament complex: what works when? The Big Scapho-Lunate Debate: Learn how the experts deal with the cases you see in your practice
08:15-09:15	INSTRUCTIONAL COURSE LECTURES 1 Arthroplasty at PIP, MCP and Thumb
20:00-20:20	FESSH JOURNAL COMMITTEE PANEL
20:20-20:45	FESSH RESEARCH COMMITTEE PANEL
20:45-21:30	INSTRUCTIONAL COURSE LECTURES 2 Arthroplasty at the Wrist

WEDNESDAY, 2 SEPTEMBER 2020

07:30-08:15 FESSH TALK SHOW

The SL-ligament complex: what works when? The Big Scapho-Lunate Debate: Learn how the experts deal with the cases you see in your practice

Moderator: Frederik Verstrecken | *Belgium*

INTERACTIVE DISCUSSION BY RECOGNIZED EXPERTS ON DIFFERENT SCAPHO LUNATE INJURY CASES. FOCUS WILL BE ON DECISION MAKING AND PRACTICAL TIPS AND TRICKS FOR TREATMENT.

07:30-07:35 INTRODUCTION

Frederik Verstrecken | *Belgium*

07:35-08:15 INTERACTIVE DEBATE ON "SCAPHO-LUNATE INJURIES"

Andrea Atzei | *Italy*, Alex Lluch | *Spain*

08:15-09:15 INSTRUCTIONAL COURSE LECTURES 1 Arthroplasty at PIP, MCP and Thumb

Moderators: Stephan Schindele | *Switzerland*, Hermann Krimmer | *Germany*

08:15-08:22 WHY WE SHOULD USE SILICONE INTERPOSITION ARTHROPLASTY FOR MCP AND PIP JOINTS?

Kevin Chung | *USA*

08:22-08:28 FAILURE ANALYSIS AND DISADVANTAGE OF SILICONE IMPLANTS IN MCP AND PIP JOINT

Grey Giddins | *UK*

08:28-08:34 THE TREATMENT STRATEGY AND SURFACE REPLACEMENT IN PIP JOINT ARTHROPLASTY

Daniel Herren | *Switzerland*

08:34-08:45 Discussion and Questions online

08:45-08:52 SYSTEMATIC REVIEW OF THUMB CMC JOINT ARTHROPLASTY

Nadine Hollevoert | *Belgium*

08:52-08:58 WHY I USE TOTAL THUMB CMC JOINT ARTHROPLASTY?

Bruno Lussiez | *Monaco*

08:58-09:04 WHY I USE PYROCARBON AROUND THE THUMB?

Ludovic Ardouin | *France*

09:04-09:15 Discussion and Questions online

20:00-20:20 **FESSH Journal Committee panel**

Moderator: Gürsel Leblebicioglu | *Turkey*

20:00-20:05 JOURNAL STATISTICS

Gürsel Leblebicioglu | *Turkey*

20:05-20:10 EDITOR-IN-CHIEF

Jin Bo Tang | *China*

20:10-20:13 CONTROVERSIES AND BEST PRACTICES FOR ACUTE SCAPHOID FRACTURE MANAGEMENT.

Nina Suh, Ruby Grewal

Volume 43 Issue 1; 10.1177/1753193417735973

20:13-20:16 IS DUPUYTREN'S DISEASE REALLY A 'DISEASE OF THE VIKINGS'?

Dominic Furniss, Daniel J Lawson, Bruce Winney, Michael Ng.

Volume 45 Issue 3; 10.1177/1753193419882851

20:16-20:19 SELECTIVE DENERVATION OF THE WRIST FOR CHRONIC PAIN: A SYSTEMATIC LITERATURE REVIEW.

Kenneth W. T. K. Chin, Thomas M. van Gulik, Anton F. Engelsman, Simon D. Strackee

Volume 45 Issue3; 10.1177/1753193419886777

20:19-20:20 INTRODUCTION OF *Dr Henk Coert* | *The Netherlands*

20:20-20:45 **FESSH Research Committee panel**

Moderator: Simon Farnebo | *Sweden*

20:20-20:35 HOW TO WRITE A SUCCESSFUL GRANT APPLICATION

Simon Farnebo | *Sweden*

20:45-21:30 **INSTRUCTIONAL COURSE LECTURES 2**
Arthroplasty at the Wrist

Moderators: Grey Giddins | *UK*, Philippe Bellemere | *France*

20:45-20:55 SYSTEMATIC REVIEW OF WRIST ARTHROPLASTY

Onur Berber | *UK*

20:55-21:05 IS SURFACE REPLACEMENT WRIST ARTHROPLASTY AN ALTERNATIVE TO ARTHRODESIS?

Michel Boeckstyns | *Denmark*

21:05-21:15 WHY I USE PYROCARBON IMPLANTS IN THE WRIST?

Philippe Bellemere | *France*

21:15-21:30 Discussion and Questions online

FESSH 2020 PROGRAM

THURSDAY, 03 SEPTEMBER 2020

07:30-07:56	FESSH SOCIAL MEDIA COMMITTEE PANEL Social Media: Powerful Tools for Hand Surgeons
07:56-08:15	YOUNG EUROPEAN HAND SURGEONS PANEL
08:15-09:00	INSTRUCTIONAL COURSE LECTURES 3 Arthroplasty at the Distal RadioUlnar Joint (DRUJ)
14:00-15:15	EDUCATIONAL AFTERNOON 1 AO: Carpal fractures including Scaphoid
15:45-17:00	EDUCATIONAL AFTERNOON 2 IBRA - CT based treatment oriented classification in radius fractures
17:30-18:45	EDUCATIONAL AFTERNOON 3 BIRG - Patient Specific Forearm and Distal Radius Reconstruction/Correction

THURSDAY, 03 SEPTEMBER 2020

07:30-07:56 FESSH Social Media Committee panel Social Media: Powerful Tools for Hand Surgeons

Moderator: Zaf Naqui | *UK*

07:30-07:33 INTRO AND SOME FESSH UPDATE

Zaf Naqui | *UK*

07:33-07:36 THE LINKED-IN FESSH CASE FORUM. WHAT YOU NEED TO KNOW AND WHY

Justin Hasenecker | *Germany*

07:36-07:43 A WIDE AWAKE WORLD - HOW WALANT USED SOME TO AWAKEN THE PLANET

Egemen Ayhan | *Turkey*, Don Lalonde | *Canada*

07:43-07:46 COVID & ACADEMIA: HOW SOME BROKE THE LOCKDOWN

Mireia Esplugas | *Spain*

07:46-07:52 THE LEGITIMACY AND FUTURE OF SOME IN HAND SURGERY EDUCATION & TRAINING. A DEBATE

Nikolai Karpinski | *Russia* vs Thomas Apard | *France*

07:52-07:56 Q&A for Chair

07:56-08:15 Young European Hand Surgeons panel

Moderator: Inga Besmens | *Switzerland*

07:56-08:00 INTRODUCTION

Inga Besmens | *Switzerland*

08:00-08:15 RESIDENCY 2.0: HOW ONLINE EDUCATION PLATFORMS ARE CHANGING MEDICAL EDUCATION - THE BENEFITS OF BLENDED LEARNING

Dominique A. Rothenfluh | *UK*

08:15-09:00 INSTRUCTIONAL COURSE LECTURES 3 Arthroplasty at the Distal RadioUlnar Joint (DRUJ)

Moderators: Grey Giddins | *UK*, Michel Boeckstyns | *Denmark*

08:15-08:25 SYSTEMATIC REVIEW OF DRUJ ARTHROPLASTY

Grey Giddins | *UK*, Laurence Moulton | *UK*

08:25-08:35 IS HEMIARTHROPLASTY AT THE DRUJ USEFUL?

Jörg van Schoonhoven | *Germany*

08:35-08:45 IN WHICH SITUATION WE SHOULD USE SALVAGE DRUJ ARTHROPLASTY WITH APTIS IMPLANT?

Maurizio Calcagni | *Switzerland*

08:45-09:00 Discussion and Questions online

14:00-15:15 Educational Afternoon 1
AO: Carpal fractures including Scaphoid

Moderator: Brigitte van der Heijden | *The Netherlands*

Fractures of the carpal bones are frequent, but often missed and most fractures occur in young otherwise healthy individuals. Adequate imaging and treatment are therefore mandatory to prevent longstanding sick leave or late problems. CT scans should be performed early to establish the diagnosis. Surgical treatment is indicated in some, but not all scaphoid fractures and indications and relevant details of conservative and surgical options are presented. Fractures of the other carpal bones are detected more frequently since CT scans are performed more often, and most of them can be effectively treated with immobilization of the wrist joint. In the cadaver lab surgical approaches to the scaphoid and other carpal bones are demonstrated.

14:00-15:15 CADAVER LAB DEMONSTRATION
Renato Fricker | *Switzerland*

15:45-17:00 Educational Afternoon 2
IBRA: CT BASED TREATMENT ORIENTED CLASSIFICATION IN RADIUS FRACTURES

Moderator: Daniel Herren | *Switzerland*

Reconstructing the mechanism of the injury gives insight into which structures are involved, such as ruptured ligaments, bone fragments as well as the dislocated osteo-ligamentous units.

This educational event attempts to show how to define certain key fragments, which seem crucial to reduce and stabilize each type of DRF. It is divided in a short theoretical explanation followed by an live lab demonstration on two pre-fractured specimens representing a dorsal key fragment and a palmar key fragment.

15:45-17:00 CADAVER LAB DEMONSTRATION
Wolfgang Hintringer | *Austria*, Hermann Krimmer | *Germany*

17:30-18:45 Educational Afternoon 3
BIRG: PATIENT SPECIFIC FOREARM AND DISTAL RADIUS RECONSTRUCTION/CORRECTION

Moderator: Maurizio Calcagni | *Switzerland*

Malunion of the distal radius and forearm in posttraumatic or congenital disorders are rare diagnosis but can lead to considerable complaints and problems. In the event of a symptomatic malunion, especially in young patients, correction must always be considered to achieve the most anatomical result.

3D-virtual planning and mirroring of the opposite side is a well know procedures established in the last decade. To give justice to the individual anatomy also printed individual titanium-implants, first introduced in maxilla-fascial surgery, are now available for radius and forearm reconstruction. We present the technical planning and implementation of this new procedure as well as the experience with such patient specific guides and 3D printed plates will be discussed and illustrated by specific cases.

During the session two demo surgeries of an intra-articular radius malunion and of a forearm malunion will be performed. After going through the case planning and the virtual 3D reconstruction, the cases will be treated with 3D printed guides and 3D printed patient specific plates.

17:30-18:45 CADAVER LAB DEMONSTRATION
Stephan Schindele | *Switzerland*, Radek Kebrle | *Czech Republic*, Niels Schep | *The Netherlands*

FESSH 2020 PROGRAM

FRIDAY, 04 SEPTEMBER 2020	
08:15-08:55	INDUSTRY SYMPOSIUM
09:00-10:40	LIVE SURGERY 1 Distal radius fractures
10:45-11:30	MINI COURSE 1 Outcome measurement in daily care; towards big data in hand surgery
11:30-12:00	INDUSTRY SYMPOSIUM
12:00-13:50	LIVE SURGERY 2 PIP Arthroplasty, PIP/ DIP fusion
14:00-14:45	MINI COURSE 2 Hand rejuvenation
16:25-16:55	INDUSTRY SYMPOSIUM
17:00-18:45	LIVE SURGERY 3 Partial wrist fusion, Wrist arthroplasty
18:50-19:20	INDUSTRY SYMPOSIUM

FRIDAY, 04 SEPTEMBER 2020

08:15-08:55	INDUSTRY SYMPOSIUM
09:00-10:40	LIVE SURGERY 1 Distal radius fractures
	Moderators: Radek Kebrle <i>Czech Republic</i> , Hermann Krimmer <i>Germany</i>
09:00-09:05	INTRODUCTION TO DEMO 1
09:05-09:45	DISTAL RADIUS FRACTURES Renato Fricker <i>Switzerland</i> , Zaf Naqui <i>UK</i>
09:45-09:50	Online questions
09:50-09:55	INTRODUCTION TO DEMO 2
09:55-10:35	DISTAL RADIUS FRACTURES INCLUDING ULNA STYLOID Alex Lluch <i>Spain</i> , Wolfgang Hintringer <i>Austria</i>
10:35-10:40	Online questions
10:45-11:30	MINI COURSE 1 Outcome measurement in daily care; towards big data in hand surgery
	Moderator: Ruud Selles <i>The Netherlands</i>
10:45-10:55	INTRODUCTION Ruud Selles <i>The Netherlands</i>
10:55-11:04	UK HAND SURGERY BIG DATA: NATIONAL NHS DATA VERSUS BSSH'S UK HAND REGISTRY. OPPORTUNITIES AND CHALLENGES Jeremy Rodrigues <i>UK</i>
11:04-11:13	ICHOM, GLOBAL OUTCOME MEASUREMENT: REALITY?! Steven Hovius <i>The Netherlands</i> , Robbert Wouters <i>The Netherlands</i>
11:13-11:22	IMPLEMENTING THE ICHOM OUTCOME SET IN SWITZERLAND Maurizio Calcagni <i>Switzerland</i>
11:22-11:30	Discussion
11:30-12:00	INDUSTRY SYMPOSIUM
12:00-13:50	LIVE SURGERY 2 PIP Arthroplasty, PIP/ DIP fusion
	Moderators: Elisabet Hagert <i>Sweden</i> , Daniel Herren <i>Switzerland</i>
12:00-12:05	INTRODUCTION TO DEMO 1
12:05-12:50	PIP ARTHROPLASTY Stephan Schindele <i>Switzerland</i> , Philippe Bellemere <i>France</i>
12:50-12:55	Online questions
12:55-13:00	INTRODUCTION TO DEMO 2

13:00-13:45 DIP/PIP FUSION
Renato Fricker | *Switzerland* , Brigitte van der Heijden | *The Netherlands*

13:45-13:50 Online questions

14:00-14:45 **MINI COURSE 2**
Hand rejuvenation

Moderator: Nicole Lindenblatt | *Switzerland*

14:00-14:05 INTRODUCTION

Nicole Lindenblatt | *Switzerland*

14:05-14:25 MICRO- AND NANO FAT GRAFTING

Nicole Lindenblatt | *Switzerland*

14:25-14:35 SKIN REJUVENATION - LASER AND PEELING

Laurence Imhof | *Switzerland*

14:35-14:45 Discussion

16:25-16:55 **INDUSTRY SYMPOSIUM**

17:00-18:45 **LIVE SURGERY 3**
Partial wrist fusion, Wrist arthroplasty

Moderators: Wolfgang Hintringer | *Austria* , Zaf Naqui | *UK*

17:00-17:05 INTRODUCTION TO DEMO 1

17:05-17:45 PARTIAL WRIST FUSION

Hermann Krimmer | *Germany* , Alex Lluch | *Spain*

17:45-17:50 Online questions

17:50-17:55 INTRODUCTION TO DEMO 2

17:55-18:40 WRIST ARTHROPLASTY

Maurizio Calcagni | *Switzerland* , Philippe Bellemere | *France*

18:40-18:45 Online questions

18:50-19:20 **INDUSTRY SYMPOSIUM**

FESSH 2020 PROGRAM

SATURDAY, 05 SEPTEMBER 2020	
09:00-10:40	LIVE SURGERY 4 Ulna session / DRUJ
10:45-11:30	MINI COURSE 3 Managing the nerve gap
12:00-13:40	LIVE SURGERY 5 Thumb CMC
13:45-14:45	MINI COURSE 4 Controversies in the Treatment of Common Congenital Hand Anomalies - Virtual round table
15:00-16:40	LIVE SURGERY 6 Complex distal radius, Scaphoid non union

SATURDAY, 05 SEPTEMBER 2020

09:00-10:40 LIVE SURGERY 4 Ulna session / DRUJ

Moderators: Radek Kebrle | *Czech Republic*, Philippe Bellemere | *France*

09:00-09:05 INTRODUCTION TO DEMO 1

09:05-09:45 DRUJ ARTHROPLASTY
Elisabet Hagert | *Sweden*, Maurizio Calcagni | *Switzerland*

09:45-09:50 Online questions

09:50-09:55 INTRODUCTION TO DEMO 2

09:55-10:35 ULNAR SHORTENING / SAUVÉ-KAPANDJI
Hermann Krimmer | *Germany*, Daniel Herren | *Switzerland*

10:35-10:40 Online questions

10:45-11:30 MINI COURSE 3 Managing the nerve gap

Moderator: Dominic Power | *UK*

10:45-11:30 PANELISTS
Rajive Jose | *UK*
Samuel George | *UK*
Tahseen Chaudhry | *UK*

12:00-13:40 LIVE SURGERY 5 Thumb CMC

Moderators: Maurizio Calcagni | *Switzerland*, Alex Lluch | *Spain*

12:00-12:05 INTRODUCTION TO DEMO 1

12:05-12:45 THUMB IMPLANT ARTHROPLASTY
Frederik Verstreken | *Belgium*, Daniel Herren | *Switzerland*

12:45-12:50 Online questions

12:50-12:55 INTRODUCTION TO DEMO 2

12:55-13:35 THUMB RESECTION ARTHROPLASTY /CMC FUSION
Elisabet Hagert | *Sweden*, Stephan Schindele | *Switzerland*

13:35-13:40 Online questions

13:45-14:30 MINI COURSE 4 Controversies in the Treatment of Common Congenital Hand Anomalies - Virtual round table

Moderator: Daniel Weber | *Switzerland*

The panel introduces and discusses cases with several experts presenting potential solutions. The audience can vote online on therapeutical options before and after the discussion to see whether the discussion has influenced the opinion of the audience.

13:45-14:30 PANELISTS:
Daniel Weber | *Switzerland*, Stéphane Guéro | *France*, Steven Hovius | *The Netherlands*,
Wiebke Hülsemann | *Germany*, Tobias Laurell | *Sweden*, Chiara Novelli | *Italy*, Giorgio Pajardi | *Italy*,
Gill Smith | *UK*, Christina Steiger | *Switzerland*, Christianne van Nieuwenhoven | *The Netherlands*

15:00-16:40 **LIVE SURGERY 6**
Complex distal radius, Scaphoid non union

Moderators: Renato Fricker | *Switzerland*, Frederik Vertstreken | *Belgium*

15:00-15:05 INTRODUCTION TO DEMO 1

15:05-15:45 SCAPHOID NON UNION

Zaf Naqui | *UK*, Brigitte van der Heijden | *The Netherlands*

15:45-15:50 Online questions

15:50-15:55 INTRODUCTION TO DEMO 2

15:55-16:35 DISTAL RADIUS FRACTURES

Radek Kebrle | *Czech Republic*, Wolfgang Hintringer | *Austria*

16:35-16:40 Online questions

FREE PAPERS

VIRTUAL ORAL PRESENTATIONS

BONE RECONSTRUCTION

- A-0017** TREATMENT OF KIENBOCK'S DISEASE BY SHORTENING OSTEOTOMY OF THE RADIUS - 54 PATIENTS OPERATED IN THE LAST 32 YEARS Jose Botelho¹, Silvia Silverio², Ana Neto² | ¹*Hospital dos Lusíadas, Lisbon;* ²*Hospital de Sant'Ana, Parede, Portugal*
- A-0021** INTRAMEDULLARY HEADLESS SCREW FIXATION FOR METACARPAL FRACTURES: A RETROSPECTIVE REVIEW OF 30 FRACTURES Arjuna Thakker¹, Sanjeev Chaand Sharma¹, Manish Gupta² | ¹*University of Birmingham, UK;* ²*Queen Elizabeth Hospital, Birmingham, UK*
- A-0097** "A-TRACTION" TECHNIQUES FOR NEGLECTED Mallet FRACTURE Artur Bezuhlyi, Serhii Strafun, Andrii Lysak, Sergii Tymoshenko, Igor Kurinnyi | *State institution "Institute of Traumatology and Orthopedics of NAMS of Ukraine", Kyiv, Ukraine*
- A-0238** LONG-TERM FUNCTIONAL OUTCOME OF OPEN REDUCTION OF DORSAL TRANSSCAPHOID PERILUNATE FRACTURE-DISLOCATIONS Xiaokun Gu, Jianhui Gu, Aidong Deng | *Hand Surgery Department, Affiliated Hospital of Nantong University, Nantong, Jiangsu, China*
- A-0253** MIDTERM RESULTS OF SEMICONSTRAINED ISIS® TRAPEZIOMETACARPAL ARTHROPLASTIES WITH THREADED TRAPEZIUM CUPS Juan Rodríguez Fernández, Manuel Rubén Sánchez Crespo, Higinio Ayala Gutierrez, María Ángeles de la Red-Gallego, José Couceiro Otero, Fernando del Canto Alvarez | *Marques de Valdecilla University Hospital, Santander, Spain*
- A-0435** PREDICTIONS OF DISTAL SCREW LENGTHS FOR VOLAR LOCKING PLATE BASED ON DISTAL RADIUS TRANSVERSE DIAMETER Totoki Yasukazu^{1,2}, Yoshii Yuuichi¹, Sakai Shinsuke¹, Ishii Tomoo¹ | ¹*Tokyo Medical University Ibaraki Medical Center, Japan;* ²*University of Tsukuba, Department of Orthopaedic Surgery, Japan*
- A-0462** THE EFFECT OF LENGTH OF THE PLATES AND THE NUMBER OF SCREWS ON CONSTRUCT STIFFNESS IN FIXATION OF TYPE A2 DISTAL HUMERUS FRACTURES: A BIOMECHANICAL STUDY USING FINITE ELEMENT METHOD (FEM) Amir R Kachooei¹, Ahmadreza Zarifian¹, Ali Akbarinezhad Fough¹, Denise Eygendaal^{2,3}, Michael Rivlin⁴, Seyed Ali Mousavi Shaegh⁵, Babak Shojai⁶ | ¹*Orthopedic Research Center, Mashhad University of Medical Sciences, Mashhad, Iran;* ²*Department of Orthopedic Surgery, Amphio Hospital, Breda, the Netherlands;* ³*Department of Orthopedic Surgery, Academic Medical Center, University of Amsterdam, Amsterdam, the Netherlands;* ⁴*Department of Orthopedic Surgery, Division of Hand Surgery Rothman Institute, Jefferson Medical College, Philadelphia, USA;* ⁵*Orthopedic Research Center, Mashhad University of Medical Sciences, Mashhad, Iran Clinical Research Unit, Mashhad University of Medical Sciences, Mashhad, Iran;* ⁶*Department of Orthopedic and Trauma Surgery, Division of Hand Surgery, St Marien Stift Hospital, Friesoythe Germany*
- A-0471** UTILIZATION OF ILIZAROV MINI-FIXATOR IN HAND SURGERY Reiji Nishimura, Shintaro Matsuura, Kazuhiro Maeda, Mitsuhiro Yukawa, Yuji Nagamine, Wataru Akaishi, Takeshi Miyawaki | *The Jikei university school of medicine, Hand surgery center, Tokyo, Japan*
- A-0822** THE STANDARDIZATION OF JESS (JOSHI EXTERNAL SIGHT STABILIZATION SYSTEM) ASSEMBLY IN DIFFERENT HAND FRACTURES PATTERNS Simona Odella, Federica Olivero, Alessandro Crosio, Michele Lombardo, Federica Meta, Ugo Dacatra, Pierluigi Tos | *ASST PINI CTO, Milano, Italy*
- A-0896** COMPARATIVE BONE QUALITY OF VASCULARIZED GRAFTS: ZAIDEMBERG AND BASE OF M2 Lucille Auberson, Ergys Gjika, Sana Boudabbous, Jean-Yves Beaulieu | *Geneva University Hospital, Switzerland*
- A-0897** LONG-TERM OUTCOMES OF SCREW FIXATION FOR Mallet FRACTURES Tomoko Kobayashi, Sinobu Saito, Rita Sasaki, Masanori Takahashi | *JCHO Tokyo Joto Hospital, Tokyo, Japan*

- A-1043** MINIMALLY INVASIVE APPROACH (MIPO), WIDE INDICATIONS AND TIPS, FOR DISTAL RADIUS FRACTURE OSTEOSYNTHESIS. Belén García-Medrano¹, Fernando Roubaud², Fernando Polo Simón¹, Pedro J Delgado Serrano¹ | ¹HM Montepíncipe, Madrid, Spain; ²Luis Valentin Ferrada Hospital, Maipu, Santiago, Chile
- A-1057** 4TH EXTENSOR COMPARTMENT ARTERY VASCULARIZED PEDICLED BONE GRAFT FOR KIENBÖCK'S DISEASE. HOW TO PERFORM A SAFE CAPSULOTOMY. SHORT TERM FUNCTIONAL AND RADIOLOGICAL RESULTS Frantzeska Zampeli, Panagiotis Kanellos, Sarantis Spyridonos, Emmanouil Fandridis | *Hand-Upper Limb-Microsurgery Department, General Hospital KAT, Athens, Greece*
- A-1071** MID- TO LONG-TERM OUTCOME AFTER SCAPHOID NON-UNION RECONSTRUCTION WITH NON-VASCULARIZED BONE GRAFT Tim Cordier, Philipp Boucke, Silvia Schibli, Patrik Schmid, Christian Wirtz, Mathias Haefeli | *Hand Surgery, Cantonal Hospital Graubünden, Chur, Switzerland*
- A-1123** PYROCARBON METACARPOPHALANGEAL INTERPOSITION ARTHROPLASTY (HAPY®) FOR THE TREATMENT OF LONG FINGERS OSTEOARTHRITIS: RESULTS WITH A MINIMUM FOLLOW-UP OF 44 MONTHS C Chaves, F Ducournau, H Agneray, Ludovic Ardouin, Etienne Gaisne, Philippe Bellemère | *Institut de la Main Nantes Atlantique, Nantes, France*

BRACHIAL PLEXUS

- A-0088** REGENERATIVE TECHNOLOGIES IN BRACHIAL PLEXUS SURGERY Andrii Lysak, Serhii Strafun, Vasyil Gaiovych, Igor Gaiovych | *State institution "Institute of Traumatology and Orthopedics of NAMS of Ukraine", Kyiv, Ukraine*
- A-0357** TRACTION INJURY OF THE BRACHIAL PLEXUS – A CASE REPORT Gordana Georgieva, Sofija Pejкова, Boro Dzonov, Gjorgje Dzokic, Bisera Nikolovska, Tomislav Jovanoski, Vlatko Ginovski | *University Clinic for Plastic and Reconstructive Surgery, Medical Faculty, Skopje, University St. Cyril And Methodius, North Macedonia*
- A-0366** INCIDENCE OF GLENOHUMERAL DYSPLASIA IN PATIENTS WITH OBSTETRIC BRACHIAL PLEXUS PALSY Maria Hortencia Coria Doncel, Luis Fernando Del Rio Escobar, Gustavo Javier Nizzo Miguens, Agustin Torres | *Hospital de Clínicas José de San Martín, Buenos Aires, Argentina*
- A-0368** MODIFIED SAHA TRANSFER: AN ALTERNATIVE TO GLENOHUMERAL STABILITY IN BRACHIAL PLEXUS PALSY Maria Hortencia Coria Doncel, Luis Fernando Del Rio Escobar, Gustavo Javier Nizzo Miguens, Agustin Torres | *Hospital de Clínicas José de San Martín, Buenos Aires, Argentina*
- A-0370** COMPARISON BETWEEN TOMOGRAPHY AND ULTRASOUND IN PATIENTS WITH SEQUELAE OF OBSTETRIC BRACHIAL PARALYSIS Maria Hortencia Coria Doncel, Luis Fernando Del Rio Escobar, Gustavo Javier Nizzo Miguens, Agustin Torres | *Hospital de Clínicas José de San Martín, Buenos Aires, Argentina*
- A-0563** OUTCOMES OF NERVE TRANSFER AND GRAFTING FOR SHOULDER RECONSTRUCTION AFTER TRAUMATIC INJURY TO THE SUPRACLAVICULAR BRACHIAL PLEXUS Tim Hems | *Scottish National Brachial Plexus Injury Service, Queen Elizabeth University Hospital, Glasgow, UK*
- A-0724** FUNCTIONAL OUTCOMES OF MEDIAL TRICEPS NERVE TRANSFER TO AXILLARY NERVE IN HIGH ENERGY SHOULDER TRAUMA Devanshi Jimulia, Caroline Miller, Colin Shirley, Samuel George, Tahseen Chaudhry, Simon Tan, Dominic Power | *Queen Elizabeth Hospital, Birmingham, UK*
- A-0739** NATURAL HISTORY OF ELBOW FLEXION CONTRACTURE IN OBSTETRIC BRACHIAL PLEXUS INJURY Tim Hems | *Scottish National Brachial Plexus Injury Service, Queen Elizabeth University Hospital and Royal Hospital for Children, Glasgow, UK*
- A-0975** OBSTETRICAL BRACHIAL PLEXUS PALSY (OBPP) – 10 YEAR OUTCOMES OF MORE THAN 200 CASES – NEW OUTCOME MEASUREMENTS : 3D VOLUME AND A MOTION CAPTURE TOOL (VECTRA WB360; KINELYZE). Elisabeth M Haas¹, Astrid Blaschek², Konstantin Koban¹, Wolfgang Müller-Felber², Riccardo

COMPLEX TRAUMA

- A-0460** OUTCOME OF MODIFIED HEMIHAMMATE ARTHROPLASTY IN PATIENTS PRESENTING AFTER SIX WEEKS OF INJURY Mohammed Tahir Ansari, Vivek Shankar | *All India Institute of Medical Sciences, Delhi, India*
- A-0519** COMPLEX ACUTE CARPAL INJURIES: AN ALL-INCLUSIVE CLASSIFICATION Gregory I Bain¹, Melanie Amarasoorya^{2,3} | ¹*Department of Orthopaedic and Trauma Surgery, Flinders University and Flinders Medical Centre, Adelaide, South Australia, Australia;* ²*Base Hospital Diyatalawa, Sri Lanka;* ³*University of Colombo, Sri Lanka*
- A-0660** USAGE OF CONTRALATERAL CERVICAL SEVENTH NERVE ROOT TRANSFER IN TARGETED REINNERVATION FOR MYOELECTRIC CONTROL OF MULTIFUNCTION ARTIFICIAL ARM Juntao Feng¹, Yansong Wang², Huawei Yin¹, Yundong Shen¹, Wendong Xu¹ | ¹*Department of Hand Surgery, Huashan Hospital, Fudan University, Shanghai, China;* ²*State Key Laboratory of Mechanical System and Vibration, School of Mechanical Engineering, Shanghai Jiao Tong University, Dongchuan Road, Shanghai, China*
- A-0730** PERILUNATE DISLOCATIONS AND FRACTURES-DISLOCATIONS OF THE WRIST Giancarlo Caruso¹, Sara Montanari², Laura Martini¹, Lorenzo Prezioso¹, Silvia Sargenti³, Massimo Corain², Andrea Vitali¹ | ¹*Palagi Hospital Hand Unit AUSL Toscana Centro, Florence, Italy;* ²*Verona Hand Unit University Hospital, Verona, Italy;* ³*Palagi Hospital Upper Extremity Rehabilitation AUSL Toscana Centro, Florence, Italy*
- A-0735** POST TRAUMATIC VASCULAR ANOMALIES Subashini Rajendiran, Lokesh Suryanarayanan, Srivignesh Manohar, Thamichelvan Akshayalingam | *Sri Ramachandra Institute of Higher Education and Research, Porur, Chennai, Tamilnadu, India*
- A-1022** VEIN GRAFT COMBINED WITH VACUUM SEALING DRAINAGE FOR SALVAGING MUTILATED LIMB Chao Chen, Zengtao Wang, Huanlong Liu, Liwen Hao | *Shandong Provincial Hospital affiliated to Shandong University, Jinan, China*
- A-1064** ACUTE CAST IMMOBILIZATION OF PEDIATRIC AND ADOLESCENT FOREARM FRACTURES – IS IT SAFE? Casey M Codd, Danielle A Hogarth, Chloe Grzyb, Joshua M Abzug | *Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, Maryland, United States*
- A-1067** TREATMENT OF FLEXION-TYPE SUPRACONDYLAR HUMERUS FRACTURES IN PEDIATRIC PATIENTS Sudarshan J Mohan¹, Danielle A Hogarth¹, Niyathi Prasad², Casey M Codd¹, Paul D Sponseller², Christine A Ho³, Joshua M Abzug¹ | ¹*Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, Maryland, United States;* ²*Department of Orthopaedics, Johns Hopkins Hospital, Baltimore, Maryland, United States;* ³*Department of Orthopaedics, Texas Scottish Rite Hospital for Children, Dallas, Texas, United States*
- A-1073** VARIABILITY IN PEDIATRIC FOREARM FRACTURE TREATMENT PREFERENCES AMONG ORTHOPAEDIC SURGEONS Devan Patel¹, Nathan N O'Hara², Giorgia M Giampaolo¹, Joshua M Abzug², Aristides I Cruz Jr¹ | ¹*Department of Orthopaedics, Brown University Alpert Medical School, Providence, Rhode Island, United States;* ²*Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, Maryland, United States*

CONGENITAL MALFORMATIONS

- A-0202** HAND FUNCTION RESTORATION IN CHILDREN WITH ATYPICAL FORMS OF CLEFT HAND Igor Shvedovchenko, Andrey Koltsov | *Federal State Budgetary Institution «Federal Scientific Center of Rehabilitation of the Disabled named after G.A. Albrecht» of the Ministry of Labour and Social Protection of the Russian Federation, St. Petersburg, Russia*
- A-0299** HUBBERT-LITTLE OPPONENS PLASTY FOR THE MANAGEMENT OF TYPE II THUMB HYPOPLASIA Osman Hernán José Benavides Gonzales¹, José Medina Henríquez², Mario Román López², Ariadna Santana², Isidro Jimenez², Carlos Thams³ | ¹*Hospital Universitario de Gran Canaria Dr. Negrín, Las Palmas, Spain*; ²*Complejo Hospitalario Universitario Insular Materno Infantil, Las Palmas, Spain*; ³*Hospital Perpetuo Socorro, Las Palmas, Spain*
- A-0305** HAND SURGICAL MANAGEMENT OF GREIG CEPHALOPOLYSYNDACTYL SYNDROME Osman Hernán José Benavides Gonzales¹, Adrian Hermenegildo Suarez Cabanas¹, Alberto Marcos², Mario Román López², José Medina Henríquez² | ¹*Hospital Universitario de Gran Canaria Dr. Negrín, Las Palmas, Spain*; ²*Complejo Hospitalario Universitario Insular Materno Infantil, Las Palmas, Spain*
- A-1009** ESTABLISHMENT OF NORMATIVE VALUES OF FIRST WEBSpace MEASUREMENTS IN THE PEDIATRIC POPULATION Isaac Betaharon, Danielle A Hogarth, Casey M Codd, Joshua M Abzug | *Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, Maryland, United States*
- A-1011** ESTABLISHMENT OF NORMATIVE VALUES FOR MEASUREMENTS OF THE HAND IN THE PEDIATRIC POPULATION Isaac Betaharon, Danielle A Hogarth, Casey M Codd, Joshua M Abzug | *Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, Maryland, United States*
- A-1014** ANTENATAL COUNSELLING FOR MOTHERS WITH ULTRASOUND-DIAGNOSED FETAL CONGENITAL HAND DIFFERENCES. Pauline McGee¹, Orla Duncan¹, Sarah Cooper², Wee Lam¹ | ¹*Royal Hospital Sick Kids, Edinburgh, UK*; ²*Royal Infirmary Hospital, Edinburgh, UK*
- A-1233** DOES EVERY SYNDACTYL RELEASE NEED A SKIN GRAFT? Sam Meadows, Li Yenn Yong, Marta Malinowska, Paul McArthur | *Alder Hey Children's Hospital, Liverpool, United Kingdom*

CORRECTIVE OSTEOTOMIES OF THE HAND AND FOREARM

- A-0546** FIRST EXPERIENCE WITH AN UNICOMPARTMENTAL, ISOELASTIC, DISTAL RADIUS PROSTHESIS Jörg Hainich, Xenia Startseva, Samuel Christen, Peter Larsson, Jörg Grünert | *Kantonsspital St. Gallen, Switzerland*
- A-0842** LONG-TERM OUTCOMES OF CORRECTIVE OSTEOTOMY FOR MALUNITED FRACTURES OF THE DISTAL FRACTURES. OUR EXPERIENCE David González^{1,2,3}, Manuel Montero Acebal¹ | ¹*Hospital Universitario de Torrevieja, Alicante, Spain*; ²*Hospital Vithas Perpetuo International Alicante, Spain*; ³*Traumaspport Clinic Alicante, Spain*
- A-0854** 3D COMPUTER-ASSISTED CORRECTIVE OSTEOTOMIES FOR PAEDIATRIC MALUNITED DIAPHYSEAL FOREARM FRACTURES: IS ANATOMIC CORRECTION ASSOCIATED WITH A GREATER FUNCTIONAL GAIN? Kasper Roth¹, Eline van Es¹, Edwin Oei¹, Gerald A Kraan², Jan Verhaar¹, Filip Stockmans³, Joost W Colaris¹ | ¹*Erasmus University Medical Centre, Rotterdam, the Netherlands*; ²*Reinier de Graaf Hospital, Delft, the Netherlands*; ³*KU Leuven, Leuven, Belgium*
- A-1083** CORRECTIVE OSTEOTOMY OF THE DISTAL RADIUS USING VOLAR LOCKED PLATES WITHOUT BONE GRAFTING Daniela Pereira, Sérgio Figueiredo, Carlos Ferreira, Vítor Rodrigues, Carlos Pina | *Centro Hospitalar de Leiria, Leiria, Portugal*

- A-1225** COMPLEX REGIONAL PAIN SYNDROME - BETTER TO BE SCEPTICAL Egemen Ayhan¹, Elif Cimilli² | ¹Orthopaedics and Traumatology, University of Health Sciences, Diskapi YB Training and Research Hospital, Ankara, Turkey; ²Hacettepe University, Faculty of Health Sciences, Department of Occupational Therapy, Ankara, Turkey

DISTAL RADIO-ULNAR JOINT

- A-0085** DISLOCATED DISTAL RADIAL FRACTURES IN ADULT PATIENTS: FOUR WEEKS VERSUS SIX WEEKS OF CAST IMMOBILISATION FOLLOWING REDUCTION, A MULTICENTER RANDOMIZED CONTROLLED TRIAL - STUDY PROTOCOL EAK van Delft¹, FW Bloemers², NL Sosef³, HJ Bonjer⁴, NWL Schep⁵, J Vermeulen⁶ | ¹Amsterdam UMC, Vrije Universiteit Amsterdam, Department of Trauma Surgery, Amsterdam Movement Sciences 2) Amsterdam UMC, Vrije Universiteit Amsterdam, Department of Trauma Surgery ³Spaarnse Gasthuis Hospital, Department of Surgery ⁴Amsterdam UMC, Vrije Universiteit Amsterdam, Department of Surgery ⁵Maasstad Hospital, Department of Trauma and hand surgery ⁶Maasstad Hospital, Department of Trauma surgery, The Netherlands
- A-0240** THE EFFECT OF FRACTURE LINE DISTRIBUTION ON THE RADIO-ULNAR LIGAMENT INJURY IN TYPE C DISTAL RADIUS FRACTURE Aidong Deng¹, Xiaokun Gu^{1,2}, Jialing Gao^{1,2}, Zhongwei Qian¹, Jianhui Gu¹ | ¹Department of Hand Surgery, Affiliated Hospital of Nantong University, Nantong, Jiangsu, China; ²Nantong University School of Medicine, Nantong, Jiangsu, China
- A-0250** FIXATION OF DISTAL RADIUS FRACTURES AS DAY CASE SURGERY UNDER REGIONAL BLOCK - OUR EXPERIENCE OF 107 PATIENTS Mayank Kumar, Sam Vollans, Pawan Kumar Gupta, Rajesh Sethi | Leeds Teaching Hospitals Trust, Leeds, UK
- A-0376** BIOMECHANICAL COMPARISON OF TWO DRUJ RECONSTRUCTION TECHNIQUES USING A SUTURE-BUTTON CONSTRUCT Robert Kalapos, Felix Riano, Gabriel Merlin | USA

DUPUYTREN'S DISEASE

- A-0384** REVIEW OF FIVE YEARS RESULTS WHEN TREATING IV STAGE OF DUPUYTREN'S DISEASE WITH NEEDLE FASCIOTOMY Sinolichka Djambazova | University Clinic for Traumatology, Orthopedics, Anesthesiology and Intensive Care, Skopje, North Macedonia
- A-0524** DUPUYTREN'S DISEASE; A NEW INFOGRAPHIC WITH MONTGOMERY PROOF CONSENT David Warwick, Nicholas Uren | University Hospital Southampton NHS Foundation Trust, UK
- A-0583** DUPUYTREN'S FIBROSIS: OUTCOME OF DERMATOFASCIECTOMY AND FULL THICKNESS GRAFT Jeff Ecker^{1,2}, Karolina Pavleski¹ | ¹Hand and Upper Limb Centre, Perth, Australia; ²Curtin University, Perth, Western Australia
- A-0967** THE EVIDENCE FOR THE EFFECT OF DIATHESIS FACTORS ON FUNCTIONAL OUTCOME OF DUPUYTREN'S DISEASE SURGERY IS LIMITED AND FLAWED Luke Geoghegan¹, Julian Man², Abhilash Jain³, Jeremy N Rodrigues³ | ¹Section of Vascular Surgery, Department of Surgery and Cancer, Imperial College London, London, UK; ²Imperial College School of Medicine, Imperial College London, UK; ³Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Science; (NDORMS), University of Oxford, UK
- A-1021** OUTCOMES FOLLOWING COLLAGENASE INJECTION FOR DUPUYTREN'S CONTRACTURE – 5 YEAR EXPERIENCE AT A SINGLE INSTITUTION. Pauline McGee¹, Alastair Lowrie², Alex Lambah² | ¹St John's Hospital, Livingston, UK; ²Ninewells Hospital, Dundee, UK

- A-0076** CLINICAL EVALUATION OF A WRIST SENSORIMOTOR REHABILITATION PROGRAMME FOR TRIANGULAR FIBROCARILAGE COMPLEX INJURIES Zhiqing Chen, Benjamin Yap, Therma Cheung | *Singapore General Hospital, Singapore, Singapore*
- A-0395** A RANDOMIZED CONTROLLED CLINICAL TRIAL ABOUT THE EFFICACY OF A FASCIAL TREATMENT WITH MECHANICAL FIBROLYSIS IN THE CARPAL TUNNEL SYNDROME, COMPARED TO A TRADITIONAL BRACING TREATMENT Giorgia Pilotto, Giovanni Pegoraro, Stefano Tognon, Emanuela Furfaro | *Padova University, Padova, Italy*
- A-0400** AN OVERVIEW OF SKILLS AND MATERIALS REQUIRED TO MANUFACTURE CUSTOM-MADE 3D PRINTED SPLINTS Michele Chim¹, Belinda Smith², Mark Hile² | ¹*North Shore Hand Therapy, Sydney Australia;* ²*Department of Hand and Peripheral Nerve Surgery, Royal North Shore Hospital, Sydney, Australia*
- A-0407** SYSTEMATIC REVIEW OF THE QUALITY OF THE CROSS-CULTURAL ADAPTATIONS OF DISABILITIES OF THE ARM, SHOULDER AND HAND Ilkem Ceren Sigirtmac, Cigdem Öksüz | *Hacettepe University, Faculty of Health Sciences, Occupational Therapy Department Sıhhiye, Ankara, Turkey*
- A-0423** EXAMINATION OF PATIENT-SPECIFIC FUNCTIONAL SCALE ACCORDING TO THE ICF IN UPPER LIMB INJURIES Mustafa Sari¹, Zeynep Tuna², Özge Buket Cesim³, Cigdem Öksüz³, Deran Oskay² | ¹*Lokman Hekim University, Faculty of Health Sciences, Department of Physiotherapy and Rehabilitation, Ankara, Turkey;* ²*Gazi University, Faculty of Health Sciences, Department of Physiotherapy and Rehabilitation, Ankara, Turkey;* ³*Hacettepe University Faculty of Health Sciences Department of Occupational Therapy, Ankara, Turkey*
- A-0689** THE CASE FOR SKIN CAMOUFLAGE Laura Adamson, Anna Selby | *Pulvertaft Hand Centre, Royal Derby Hospital, Derby, UK*
- A-0706** EFFECTIVENESS OF THE REHAND TABLET APP IN TRAUMATIC AND ORTHOPAEDIC PATHOLOGY OF THE WRIST, HAND AND FINGERS Alejandro Suero-Pineda¹, Pablo Rodríguez Sánchez-Laulhé², Jesús Blanquero Villar¹, María de los Angeles Gacía-Frasquet³, Manuel Rodríguez-Pinero³, Antonio Galván⁴ | ¹*University of Seville, Seville, Spain;* ²*FISEVI, Seville, Spain;* ³*Hospital Virgen de la Macarena, Seville, Spain;* ⁴*Hospital Virgen del Rocío, Seville, Spain*
- A-0710** CLINICAL AND ECONOMIC IMPACT OF THE IMPLEMENTATION OF THE DIGITAL SOLUTION FOR TABLET REHAND IN REHABILITATION SERVICES Alejandro Suero-Pineda¹, Eva Calvo Bonacho², Paloma Martínez Munoz², Noemí Díaz Macas², Elena Gómez-Patricio², Jesús Blanquero Villar¹ | ¹*Universidad de Sevilla, Spain;* ²*Ibermutua, Spain*
- A-0759** VALIDATION OF ERGONOMIC SUGGESTIONS OF WRIST POSITIONS ON KEYBOARD TYPING Jenna Ng¹, Heidi Wong², Amanda Lam³, Cherry Au⁴, Catherine Fung⁵, Josephine Wong⁶, Kenneth Fong⁶ | ¹*Pamela Youde Nethersole Eastern Hospital;* ²*Kwai Chung Hospital, Hong Kong;* ³*Queen Mary Hospital, Hong Kong;* ⁴*Tai Po Hospital, Hong Kong;* ⁵*the Boys' and Girls' Clubs Association, Hong Kong;* ⁶*Department of Rehabilitation Sciences, Hong Kong Polytechnic University, Hong Kong*
- A-0820** HAND DEXTERITY ACCORDING TO THUMB INTERPHALANGEAL JOINT DEGREE OF FREEDOM: A PILOT, CROSS-OVER PRELIMINARY STUDY Laurence Grüber, Robin Diot, Sebastien Durand | *Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland*
- A-0823** POSTOPERATIVE MANAGEMENT OF FLEXOR TENDON REPAIRS IN ZONE I/II WITH RELATIVE MOTION FLEXION SPLINT Özge Buket Cesim¹, Egemen Ayhan², Can Emre Bas², Cigdem Öksüz¹ | ¹*Hacettepe University, Faculty of Health Sciences, Department of Occupational Therapy, Ankara, Turkey;* ²*Hand Surgery-Orthopaedics and Traumatology, University of Health Sciences, Diskapi Y. B. Training and Research Hospital, Ankara, Turkey*
- A-0828** USE OF RELATIVE MOTION SPLINT IN EXTENSOR APPARATUS REPAIRS Özge Buket Cesim¹, Ilkem Ceren Sigirtmac¹, Egemen Ayhan², Can Emre Bas², Cigdem Öksüz¹ | ¹*Hacettepe University, Faculty of Health Sciences,*

- A-0956** RECOGNIZE TOUCH - FILMS AS THERAPEUTIC TOOL FOR RE-LEARNING SENSIBILITY AFTER PERIPHERAL NERVE INJURIES IN HANDS. Torunn Nessa | *Stavanger University Hospital, Norway*
- A-1024** WHAT HAPPENS AFTER CARPAL TUNNEL RELEASE SURGERY? EVALUATION OF A DIGITAL SENSORIMOTOR EXERCISE PROGRAM AFTER CARPAL TUNNEL RELEASE. Alejandro Suero-Pineda¹, María de los Angeles Gacía-Frasquet², María Isabel Nieto Díaz de los Bernardos², Juan José Gil Alvarez³, Pablo Rodríguez Sánchez-Laulhé⁴, Jesús Blanquero Villar¹ | ¹University of Seville, Seville, Spain; ²Hospital Universitario Virgen de la Macarena, Seville, Spain; ³Hospital Universitario Virgen del Rocío, Seville, Spain; ⁴FISEVI, Seville, Spain
- A-1121** OUTCOMES OF FLEXOR TENDONS REPAIR IN ZONES I-III FROM 2014-2018: A MULTICENTER COHORT STUDY Bernadette Tobler-Ammann¹, Vera Beckmann-Fries², Marco Guidi², Elisabeth Oberfeld¹, Esther Vögelin¹, Lorena Schrepfer³, Alexandre Kämpfen³, Sebastian H Hediger³, Maurizio Calcagni² | ¹Klinik für Plastische und Handchirurgie und Handtherapienspital, Universität Bern, Bern, Switzerland; ²Klinik für Plastische Chirurgie und Handchirurgie und Handtherapie, UniversitätsSpital Zürich, Zürich, Switzerland; ³Rekonstruktive, Ästhetische und Handchirurgie, Handtherapie, Universitätsspital Basel, Klinikum 1, Basel, Switzerland
- A-1134** LEARNING FROM DATA COLLECTED IN THE REGULAR REHABILITATION PROCESS WHILE TREATING PATIENTS WITH FLEXOR TENDON INJURY- A QUALITY PROJECT Tamara Hauri, Vera Beckmann-Fries, Christine Meier, Pierrette Baschung | *University Hospital Zürich, Switzerland*
- A-1151** OCCUPATION-BASED INTERVENTIONS IN THE HAND THERAPY SETTING: DISTRIBUTION AND IMPLEMENTATION IN THE GERMAN SPEAKING PART OF SWITZERLAND Lorena Schrepfer, Peter Suter, Christa Wyss | *University Hospital Basel, Switzerland*
- A-1153** CHARACTERIZING RESPONSIVENESS TO A DYNAMIC STABILITY APPROACH TO THUMB CARPOMETACARPAL PAIN: A RETROSPECTIVE STUDY Corey McGee¹, Jennifer Skye², Geneva Tranchida³, Virginia O'Brien² | ¹Programs in Occupational Therapy and Rehabilitation Science, University of Minnesota, Minneapolis, MN, United States; ²Hand Therapy, Minnesota; (M) Health, Minneapolis, MN, United States; ³Orthopaedics, University of Minnesota, Minneapolis, MN, United States
- A-1159** RELATIVE MOTION FLEXION ORTHOSIS FOR VARIOUS CONDITIONS WITH PROXIMAL INTERPHALANGEAL JOINT EXTENSION LAG Egemen Ayhan¹, Özge Buket Cesim², Can Emre Bas¹, Orhan Kunu¹, Cigdem Öksüz² | ¹Orthopaedics and Traumatology, University of Health Sciences, Diskapi YB Training and Research Hospital, Ankara, Turkey; ²Hacettepe University, Faculty of Health Sciences, Department of Occupational Therapy, Ankara, Turkey
- A-1163** THE INVESTIGATION OF THE EFFECTS OF REHABILITATION ON TRIGGER FINGER ON FUNCTIONAL RECOVERY PROCESSES ACCORDING TO STAGES Seda Namaldi¹, Cigdem Ayhan¹, Egemen Ayhan², Kadir Mutlu Hayran³ | ¹Department of Hand Surgery Rehabilitation, Faculty of Physical Therapy and Rehabilitation, Hacettepe University, Ankara, Turkey; ²Department of Orthopedics and Traumatology, Division of Hand Surgery, University of Health Sciences, Diskapi Yildirim Beyazit Training and Research Hospital, Ankara, Turkey; ³Department of Preventive Oncology, Faculty of Medicine, Hacettepe University, Ankara, Turkey
- A-1190** CONCURRENT VALIDITY AND PRECISION OF THE THUMB DISABILITY EXAMINATION IN PERSONS WITH THUMB CARPOMETACARPAL OSTEOARTHRITIS Corey McGee, Leah Johnson, Madison Anderson, Sonya Hesse, Ryan Karau, Maddie Schlossmacher | *Program in Occupational Therapy, University of Minnesota, Minneapolis, MN, USA*
- A-1197** COMPARING CONVENTIONAL APPROACH OF HOME EXERCISE PROGRAM AND EDUCATION WITH A DIGITAL SOLUTION IN PATIENTS WITH HAND OSTEOARTHRITIS: A MULTICENTRE RANDOMIZED DOUBLE-BLINDED CONTROL TRIAL. Alejandro Suero-Pineda¹, Pablo Rodríguez Sánchez-Laulhé², Francisco Barrero García³,

Ángela Biscarri Carbonero³, Alberto Marcos Heredia Rizo¹, Luis Gabriel Luque Romero³ | ¹University of Seville, Spain; ²FISEVI, Spain; ³Andalusian Public Health Service, Spain

- A-1198** TEST-RETEST RELIABILITY AND PRECISION OF THUMB POSITION SENSE TESTING USING THE INTERMETACARPAL DISTANCE METHOD IN INDIVIDUALS WITH THUMB CARPOMETACARPAL (CMC) OSTEOARTHRITIS (OA) Corey McGee, Kayla Adducci, Erica Bonte, Karie Francen, Dan Olson, Haley Roe | Program in Occupational Therapy, University of Minnesota, Minneapolis, Minnesota, USA
- A-1246** PRISM: THE METHOD FOR VISUALIZATION IN (HAND)-THERAPY Stefan Büchi | Hohenegg, Switzerland

FLEXOR TENDON SURGERY

- A-0030** OPERATIVE RISK FACTORS FOR RE-RUPTURE OF FLEXOR TENDON REPAIRS Alice Lee¹, Felix Brewer², Mo Akhavan² | ¹West Middlesex Hospital, London, UK, TW7 6A; ²Department of Plastic Surgery, Royal Free Hospital, London, UK, NW3 2QG
- A-0046** RESULTS OF THE REPAIR OF 51 FLEXOR TENDONS IN ZONE 2 BY ADELAÏDE SUTURE (4 STRANDS) WITH AN EARLY REHABILITATION PROTOCOL Nicolas Bigorre, Alexandre Petit, Jérôme Brunet, Jerome Jeudy, Frederic Degez, Guy Raimbeau | Centre de la Main - 47 Rue de la Foucaudiere 49800 Trelaze - France
- A-0070** FDP AVULSION INJURY DUE TO ENCHONDROMA: A UNIQUE SURGICAL APPROACH Francisco Moura, Andrej Salibi, Anuj Mishra | Wythenshawe Hospital, Manchester, UK
- A-0455** REDO FLEXOR TENDON GRAFTING: HOW MUCH CAN WE IMPROVE? Irina Miguleva^{1,2}, Aleksei Fain¹ | ¹Sklifosovsky Clinical and Research Institute for Emergency Medicine; ²Hand Surgery Department, State Clinical Hospital No. 29, Moscow, Russia
- A-0556** OPTIMIZING THE SIDE-TO-SIDE TENDON SUTURE TECHNIQUE BY FRIDÉN ET AL.: A BIOMECHANICAL ANALYSIS Christina Wilhelm¹, Nikolaus Wachtel¹, Carina Micheler², Jan Lang², Christine Hagen¹, Riccardo Giunta¹, Marc Englbrecht¹ | ¹Department of Hand-, Plastic- and Aesthetic Surgery, Ludwig-Maximilian-University, Munich, Germany; ²Experimental Orthopedics, Technical University of Munich, Germany
- A-0728** SONOGRAPHICALLY GUIDED PERCUTANEOUS A1 PULLEY RELEASE IN TRIGGER FINGER – THE BERN EXPERIENCE Damian Sutter, Aline Treier, Esther Vögelin | University Hospital, Bern, Switzerland
- A-0873** A BIOMECHANICAL COMPARISON OF GLIDING RESISTANCE BETWEEN MODIFIED LIM TSAI AND ASYMMETRIC REPAIR TECHNIQUES IN ZONE II FLEXOR TENDON REPAIRS Khian Wan Sarah Joy Huan, Rebecca Qian Ru Lim, Yoke Rung Wong | Singapore General Hospital, Singapore
- A-0987** FLEXOR POLLICIS LONGUS TENDONS REPAIR IN ZONES I VS II-III FROM 2014-2018: A MULTICENTER COHORT STUDY Marco Guidi¹, Vera Beckmann-Fries¹, Bernadette Tobler-Ammann³, Elisabeth Oberfeld², Lorena Schrepfer³, Sebastian H Hediger³, Alexandre Kämpfen³, Esther Vögelin², Maurizio Calcagni¹ | ¹University Hospital Zurich, Switzerland; ²University Hospital Bern, Switzerland; ³University Hospital Basel, Switzerland
- A-1059** UP-TO-DATE APPROACH IN ZONES 1 AND 2 FLEXOR TENDON REPAIR Yakup Kuzucu¹, Egemen Ayhan¹, Zeynep Tuna², Onder Ersan¹ | ¹Orthopaedics and Traumatology, University of Health Sciences, Diskapi YB Training and Research Hospital, Ankara, Turkey; ²Gazi University, Faculty of Health Sciences, Department of Physiotherapy and Rehabilitation, Ankara, Turkey

- A-0148** DETERMINATION OF THE ACCURACY OF AN AUTOMATED SYSTEM FOR MEASUREMENT OF THE RANGE OF MOTION OF THE WRIST JOINT Koji Fujita¹, Naoto Ienaga², Masaru Watanabe², Yuta Sugiura², Akimoto Nimura¹, Atsushi Okawa¹, Hideo Saito² | ¹*Tokyo Medical and Dental University, Tokyo, Japan;* ²*Keio University, Kanagawa, Japan*
- A-0209** FIRST METACARPAL DORSAL PERIOSTEAL FLAP SUSPENSIONPLASTY FOR MANAGEMENT OF THUMB BASAL JOINT OSTEOARTHRITIS Mohamed Maklad, Luis Martul Pestana, Timothy Cresswell | *Pulvertaft Hand Unit, Derby, United Kingdom*
- A-0283** A CANNULATED COMPRESSION SCREW WITH A VARIABLE LOCKING PLATE FOR SMALL JOINT ARTHRODESIS GJ Blok | *Union Hospital, Johannesburg, South Africa*
- A-0330** THREE-DIMENSIONAL RECONSTRUCTION OF HAND FROM BIPLANAR RADIOGRAPHS: EVALUATION OF ACCURACY AND RELIABILITY Francois Loisel^{1,2}, Stan Durand², Laurent Obert¹, Sébastien Aubry¹, Xavier Bonnet², Philippe Rouch², Wafa Skalli² | ¹*Besancon Teaching Hospital, Besancon, France;* ²*National School of Arts and Crafts, ENSAM, Paris, France*
- A-0408** REPLACING THE SCAPHOID WITH A 3D PRINTED, PATIENT-SPECIFIC SCAPHOID PROSTHESIS Anton Borgers, Matthias Vanhees, Frederik Versteken | *AZ Monica, Antwerp, Belgium*
- A-0428** CUP AND CONE TECHNIQUE FOR MCP1 JOINT ARTHRODESIS WITH HUMAN CORTICAL BONE SCREW GRAFTS. A CASE SERIES Klaus Pastl | *Klinik Diakonissen Linz, Austria*
- A-0701** SAFETY AND EFFICACY OF A SYNTHETIC CARTILAGE IMPLANT FOR TREATMENT OF EATON-LITTLER STAGE II OR III OSTEOARTHRITIS OF THE FIRST CARPOMETACARPAL JOINT AT TWO YEARS POSTOPERATIVE: A PROSPECTIVE, MULTICENTER CLINICAL TRIAL L Chris Bainbridge¹, Philip Sauvé², Sanjay Miranda³, Paul Binhammer⁴, Grey Giddins⁵, David Lawrie⁶, Andrew Trenholm⁷, Erin Brown⁸ | ¹*Royal Derby Hospital, Derby, UK;* ²*Queen Alexandra Hospital, Hampshire, UK;* ³*The James Cook University Hospital, Middlesbrough, UK;* ⁴*Sunnybrook Health Sciences Centre, Toronto, Canada;* ⁵*Royal United Hospital, Bath, UK;* ⁶*Woodend Hospital, Aberdeen, UK;* ⁷*Dalhousie University and Queen Elizabeth II Health Sciences Centre, Halifax, Canada;* ⁸*University of British Columbia, Vancouver, Canada*
- A-0744** ANATOMICAL BACKGROUND FOR MINIMALLY INVASIVE PLATE OSTEOSYNTHESIS OF THE METACARPAL BONES Igor O Golubev¹, Maksim E Sautin² | ¹*Priorov National Medical Research Centre for Traumatology and Orthopedics, Moscow, Russia;* ²*European Clinic of Sports Traumatology and Orthopaedics, Moscow, Russia*
- A-0819** SELFIE (SAP) IN HAND TRAUMA Omer Salahuddin, FS Fahmy | *Countess of Chester Hospital, Chester, UK*
- A-0836** MACHINE LEARNING ALGORITHM TO ESTIMATE THE PROBABILITY OF A TRUE SCAPHOID FRACTURE AMONG PATIENTS WITH CLINICAL SIGNS OF A SCAPHOID FRACTURE Anne Eva Bulstra^{1,2,*}, Geert A Buijze², C Court-Brown³, Job N Doornberg^{1,2}, A Duckworth³, JC Goslings², Laurent Hendrickx^{1,2}, Ruurd L Jaarsma¹, W Mallee², MAM Mulders², Margaret McQueen³, M Moran³, David Ring⁴, NWL Schep⁵, E Steyerberg, M Walenkamp⁵ | **On behalf of the Machine Learning Consortium;* ¹*Flinders Medical Centre, Adelaide, Australia;* ²*Amsterdam UMC, Amsterdam, the Netherlands;* ³*Royal Infirmary of Edinburgh, UK;* ⁴*Dell Medical School, Austin, USA;* ⁵*Maastad Hospital, Rotterdam, the Netherlands*
- A-0848** APPLICATION OF A CORTICAL BONE SCREW ALLOGRAFT FOR OSTEOSYNTHESIS IN INTERCARPAL FUSIONS. A CASE SERIES Klaus Pastl | *Klinik Diakonissen Linz, Austria*
- A-0888** PILOT STUDY: ELASTOGRAPHIC ANALYSIS OF THENARIANS AND HYPOTHENARIANS MUSCLES Ergys Gjika, Sana Boudabbous, Jean-Yves Beaulieu | *Geneva University Hospital, Switzerland*
- A-0937** INTRAMEDULLARY CANNULATED HEADLESS COMPRESSION SCREWS OSTEOSYNTHESIS FOR METACARPAL AND PHALANGEAL FRACTURES Alessandro Fagetti¹, Francesca Fissore², Pier Paolo Borelli³, Denise Giroto², Mario Cherubino¹, Michele Francesco Surace² | ¹*Microsurgery and Hand Surgery, Circolo and Macchi Foundation*

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- A-0233** MENISCAL ALLOGRAFT ARTHROPLASTY FOR THE TREATMENT OF TRAPEZIOMETACARPAL ARTHRITIS OF THE THUMB Paul S Shapiro, Justin Smith, Katherine Swank, Edward Diao | *Baumont Health, Royal Oak, Michigan, USA*
- A-0464** EARLY EXPERIENCE WITH CMC HEMIARTHROPLASTY Jorge Orbay¹, Mark Henry² | ¹*The Miami Hand & Upper Extremity Institute, Miami, United States*; ²*Hand & Wrist Center of Houston, Houston, United States*
- A-0696** THE COST ASSOCIATED WITH THE EVALUATION AND CONSERVATIVE TREATMENT OF THUMB CARPOMETACARPAL ARTHRITIS BEFORE OPERATIVE INTERVENTION Corey Spencer, Alexander M Dawes, Beau M McGinley, Eric R Wagner | *Emory University Orthopedics Upper Extremity Center, USA*
- A-1041** ALTERED AXES OF ROTATION AND MECHANICAL ACTION OF WRIST MUSCLES EXPLAINS REDUCED GRIP STRENGTH FOLLOWING PROXIMAL ROW CARPECTOMY, BUT NOT SCAPHOID-EXCISION FOUR-CORNER FUSION Daniel C McFarland^{1,2,3}, Michael S Bednar^{3,4}, Wendy M Murray^{1,2,3} | ¹*Department of Biomedical Engineering, Northwestern University, Evanston, IL, USA*; ²*Shirley Ryan AbilityLab, Chicago, IL, USA*; ³*Edward Hines, Jr. VA Hospital, Hines, IL, USA*; ⁴*Department of Orthopaedic Surgery and Rehabilitation, Stritch School of Medicine, Loyola University Chicago, IL, USA*
- A-1210** SYSTEMATIC REVIEW OF THE USE OF ARTHROSCOPY FOR THE TREATMENT OF FIRST CARPOMETACARPAL ARTHRITIS Brianna Siracuse, Beau M McGinley, Charles Daly, Michael Gottschalk, Eric R Wagner | *Emory University School of Medicine, Atlanta, GA, United States*
- A-1223** COMBINED CMCJ ARTHROPLASTY & MCPJ ARTHRODESIS FOR ADVANCED CMCJ ARTHRITIS Rami Estfan, Francesca Hill, Greg Packer | *Southend University Hospital, Westcliff-On-Sea, UK*

LIGAMENT RECONSTRUCTION

- A-0018** 29 YEARS OF SURGERY OF TRAPEZIO-METACARPAL INSTABILITY – 40 CASES Jose Botelho¹, Silvia Silverio², Ana Neto² | ¹*Hospital dos Lusíadas, Lisbon*; ²*Hospital de Sant'Ana, Parede, Portugal*
- A-0231** DIAGNOSTIC ACCURACY OF ULTRASOUND IN DIAGNOSING STENER LESIONS COMPARED TO INTRA-OPERATIVE FINDINGS: A SYSTEMATIC REVIEW AND META-ANALYSIS Karishma Shah¹, Zahi Qamhawi², Gareth Kiernan², Christine Azzopardi² | ¹*Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences, University of Oxford, Oxford, UK*; ²*Radiology Department, Oxford University Hospitals, Oxford, UK*
- A-0350** LONG-TERM FOLLOW-UP OF THE THREE-LIGAMENT TENODESIS FOR SCAPHOLUNATE COMPLEX LESIONS: RESULTS OVER 9 YEARS Sofie Goeminne¹, Anton Borgers², Luc De Smet², Ilse Degreef² | ¹*AZ Herentals, Belgium*; ²*University Hospitals Leuven, Belgium*
- A-0543** SCAPHO-LUNATE TAPE AUGMENTED RECONSTRUCTION – A NEW OPTION WITH A “MINIMAL – INVASIVE” APPROACH. SURGICAL TECHNIQUE AND EARLY RESULTS Hans-Georg Damert | *HELIOS Börde klinik Germany, Department for Plastic, Aesthetic and Hand Surgery, Oschersleben/Neindorf, Germany*
- A-0566** TRAPEZIECTOMY-LIGAMENT RECONSTRUCTION COMPARED TO TRAPEZIECTOMY WITH OR WITHOUT TENDON INTERPOSITION IN CARPOMETACARPAL (CMC) THUMB OSTEOARTHRITIS (OA): A SYSTEMATIC REVIEW (SR) AND META-ANALYSIS (MA) Ana Gonzalez-Garcia¹, Pablo Martin-Vasallo², Agustin Dorta-

Fernandez¹, Carlos Heras-Palou³¹, Roberto S Rosales¹ | ¹Unit for Hand and Micro Surgery, GECOT, Tenerife, Spain; ²School of Medicine, Univeristy of La Laguna, Tenerife, Spain; ³Pulvertaft Hand Centre, Royal Derby Hospital, Derby, UK

A-0707 TRAUMATIC RADIOCARPAL INSTABILITY - A RARE AND POTENTIALLY DEVASTATING INJURY OF THE WRIST Moritz Scholtes, Mario Bonaccio | *Department of Hand and Plastic Surgery, Kantonsspital Frauenfeld, Switzerland*

A-0985 TREATMENT OF DYNAMIC SCAPHOID INSTABILITY WITH CARPAL CHONDROMALACIA Houshang Seradge, Kamran Steppe, Winfred Parker, Carrie Baer, Ashley McKinzie, Kian Steppe | *Seradge Medical, Oklahoma City, USA*

A-1195 SCAPHOLUNATE LIGAMENT TEAR – THE BREAKTHROUGH? A RETROSPECTIVE EVALUATION OF AN INNOVATIVE SURGICAL TECHNIQUE USING A TWINFIX SCREW FOR INTERCARPAL FIXATION. 15-YEAR LONG-TERM RESULT Rahel Kohlbrenner, Voja Lazic, Dirk J Schaefer, Ilario Fulco | *University Hospital of Basel, Switzerland*

LYMPHATIC PROBLEMS OF THE HAND AND UPPER EXTREMITY

A-0885 LYMPHANGIOGENIC EFFECTS OF ADIPOSE TISSUE-DERIVED MICROVASCULAR FRAGMENTS IN A MOUSE LYMPHEDEMA MODEL Florian S Früh^{1,2}, Laura Gassert¹, Andreas Müller³, Claudia Scheuer¹, Emmanuel Ampofo¹, Pietro Giovanoli², Nicole Lindenblatt², Claudia E Rüb⁴, Michael D Menger¹, Matthias W Laschke¹ | *¹Institute for Clinical and Experimental Surgery, Saarland University, Homburg/Saar, Germany; ²Division of Plastic Surgery and Hand Surgery, University Hospital Zurich, Zurich, Switzerland; ³Clinic of Diagnostic and Interventional Radiology, Saarland University Medical Center, Homburg/Saar, Germany; ⁴Department of Radiotherapy and Radiation Oncology, Saarland University Medical Center, Homburg/Saar, Germany*

MICROSURGERY

A-0047 FAST TRACKING LEARNING IN MICROSURGERY Nicolas Bigorre¹, Yann Saint-Cast¹, Mathurin Gomez², Alexandre Petit¹, Jerome Jeudy¹, Henri Dominique Fournier^{3,4} | *¹Centre de la Main, Trélazé, France; ²CHU Angers, Département de chirurgie osseuse, 4 Rue Larrey, Angers Cedex 3, France; ³CHU Angers, Neurochirurgie, Angers Cedex 3, France; ⁴Laboratoire d'anatomie, Université Angers, Faculté de médecine, Angers, France*

A-0399 VERSATILITY AND CUSTOMIZATION OF THE GREAT TOE TRANSFER FOR RECONSTRUCTION OF THE DEFECTS OF THE FINGERS AND THUMB Jorge Boretto, Gerardo Gallucci, Ezequiel Zaidenberg, Pablo De Carli | *Hospital Italiano de Buenos Aires, Argentina*

A-0465 THE 'MICROSURGERY ARENA' - A NEW DEVICE TO DEVELOP MICROSURGICAL SKILLS Francesco Costa¹, Thomas Giesen¹, Ivan Tami¹, Jeyaram Srinivasan² | *¹Centro manoegomito, Gravesano, Switzerland; ²Royal Preston Hospital, Lancashire, UK*

A-0572 MODIFIED ARTERIALIZED VENOUS FLAP FOR THE RECONSTRUCTION OF 21 DIGITS Jing Chen, Jun Tan, Jin Bo Tang | *Affiliated Hospital of Nantong University, Nantong, China*

A-0586 COMBINED USING OF MICROSURGICAL TECHNIQUE AND THE PALMAR POCKET METHOD: A NEW STRATEGY FOR SALVAGE OF THE AMPUTATED FINGERTIP B Hou, S-L Xie, M-J Liu, F Yang, Z-X He, X-J Huang, X-J Xiao | *Affiliated Nanhua Hospital, University of South China Hengyang, China*

A-0625 MODIFIED GREAT TOENAIL FLAP WITH PRESERVATION OF PARTIAL TOE- NAIL FOR AESTHETIC RECONSTRUCTION OF THUMB AND FINGERS S-L Xie, B Hou, M-J Liu, F Yang, Z-X He, X-J Huang, X-J Xiao | *Affiliated Nanhua Hospital, University of South China Hengyang, China*

- A-0682** RECONSTRUCTION OF REFLUX IN FINGERTIP REPLANTATION BY ANASTOMOSIS OF NAILFOLD VEIN Gang Zhao, Yongjun Rui, Jingyi Mi | *Wuxi Ninth People's Hospital, Wuxi, China*
- A-0777** ARTERY-ONLY REPLANTS: TECHNIQUE AND OUTCOMES IN 56 CONSECUTIVE CASES Travis J Miller^{1,2}, Walter C Lin¹, Rudolf F Buntic¹, Andrew J Watt¹, Gregory M Buncke¹, Bauback Safa¹ | ¹*The Buncke Clinic, San Francisco, USA;* ²*Stanford University, Department of Surgery, Division of Plastic and Reconstructive Surgery, Palo Alto, USA*
- A-0911** FREE MEDIALIS PEDIS FLAP TRANSFERRED BASED ON SUPERFICIAL TIBIAL PLANTAR ARTERY FOR RECONSTRUCTION OF SKIN AND DIGITAL NERVE DEFECT IN HAND Chao Chen, Linfeng Liu, Zengtao Wang, Liwen Hao, Huanlong Liu | *Shandong Provincial Hospital Affiliated to Shandong University, China*
- A-0930** SEVEN YEARS EXPERIENCE OF TRAVELLING SURGERY IN DEVELOPING COUNTRIES:THE NEED OF FLAP COURSES Stefano Lucchina^{1,3,4}, Ilaria Papini², Cesare Fusetti³, Marco Guidi³, Marco Lanzetta⁴ | ¹*Locarno Hand Center, Locarno, Switzerland;* ²*Humanitas Clinic, Milan, Italy;* ³*Locarno's Regional Hospital, Locarno, Switzerland;* ⁴*Italian Institute of Hand Surgery, Monza, Italy*
- A-1050** THERMAL IMAGING IN UPPER LIMB RECONSTRUCTION. Katie Young, Giulietta Proserpio, Francesco Zanchetta, Giorgio Pajardi, Luigi Troisi | *Ospedale San Giuseppe, Milano, Italy*

NERVE RECONSTRUCTION

- A-0020** REVASCULARIZATION PATTERNS OF NERVE ALLOGRAFTS IN A RAT SCIATIC NERVE DEFECT MODEL Tiam Mana Saffari^{1,2}, Femke Mathot^{1,3}, Allen T Bishop¹, Alexander Y Shin¹ | ¹*Department of Orthopedic Surgery, Mayo Clinic, Rochester, MN, USA;* ²*Department of Plastic-, Reconstructive- and Hand Surgery, Erasmus Medical Center, Rotterdam, the Netherlands;* ³*Department of Plastic-, Reconstructive- and Hand Surgery, Radboud University, Nijmegen, the Netherlands*
- A-0072** ENHANCED NERVE AUTOGRAFT WITH ADDED ADIPOSE-DERIVED REGENERATIVE CELLS Kaoru Tada, Mika Nakada, Masashi Matsuta, Atsuro Murai, Hiroyuki Tsuchiya | *Department of Orthopaedic Surgery, Graduate School of Medical Science, Kanazawa University*
- A-0166** SURGICAL ANGIOGENESIS TO NERVE ALLOGRAFTS IMPROVES EARLY FUNCTIONAL RECOVERY IN A RAT SCIATIC NERVE DEFECT MODEL Tiam Mana Saffari^{1,2}, Femke Mathot^{1,3}, Allen T Bishop¹, Alexander Y Shin¹ | ¹*Department of Orthopedic Surgery, Mayo Clinic, Rochester, MN, USA;* ²*Department of Plastic-, Reconstructive- and Hand Surgery, Erasmus Medical Center, Rotterdam, the Netherlands;* ³*Department of Plastic-, Reconstructive- and Hand Surgery, Radboud University, Nijmegen, the Netherlands*
- A-0666** DECELLULARIZED NERVE GRAFT FOR INBRED RAT SCIATIC NERVE REGENERATION Ji-Won Lee¹, Seung-Han Shin¹, Yang-Guk Chung¹, Jae Kwang Kim² | ¹*Department of Orthopedic Surgery, Seoul St. Mary's Hospital, College of Medicine, the Catholic University of Korea, Seoul, South Korea;* ²*Department of Orthopedic Surgery, Asan Medical Center, University of Ulsan College of Medicine, Seoul, South Korea*
- A-0711** OUTCOME OF CUBITAL TUNNEL RELEASE IN PATIENTS WITH NORMAL NERVE CONDUCTION STUDIES Nicola Fine¹, Rachel Mahoney¹, Oliver Donaldson², Dougal Russell¹ | ¹*Swansea Bay University Health Board, Swansea, UK;* ²*Yeovil District Hospital, Yeovil, UK*
- A-0742** UTILISATION OF AVANCE PROCESSED NERVE ALLOGRAFT IN A NATIONAL CENTRE FOR PERIPHERAL NERVE INJURIES Joel Schneider, Rizwana Imran, Tahseen Chaudhry, Samuel George, Dominic Power | *Queen Elizabeth Hospital, Birmingham, UK*
- A-0916** THE USE OF STROMAL VASCULAR FRACTION IN ELECTROSPUN NERVE GUIDE CONDUITS FOR PERIPHERAL NERVE RECONSTRUCTION Hanna K Frost^{1,2}, Fredrik Johansson³, Per Ekström⁴, Lars B Dahlin^{1,2} | ¹*Department of Translational Medicine –Hand Surgery, Lund University, Malmö, Sweden;* ²*Department of Hand Surgery, Skåne University Hospital, Malmö, Sweden;* ³*Department of Biology, Lund University, Lund, Sweden;* ⁴*Department of Clinical Sciences, Lund -Ophthalmology, Lund University, Lund, Sweden*

- A-0933** PERIPHERAL NERVE ALLOGRAFT FAILURES: CASE REPORTS AND CRITICAL REVIEW Calum Thomson, Joel Schneider, Dominic Power | *Queen Elizabeth Hospital, Birmingham, UK*
- A-1044** COMPARISON OF FUNCTIONAL OUTCOMES FROM A MATCHED COHORT WITH PROCESSED NERVE ALLOGRAFT AND TUBE CONDUITS IN PERIPHERAL NERVE GAP REPAIR Bauback Safa¹, Jason Nydick², Josef Zoldos³, Wesley Thayer⁴, Dennis Kao⁵, Brendan Mackay⁶, Gregory M Buncke¹, Fraser Leversedge⁷ | ¹*The Buncke Clinic, San Francisco, US*; ²*Florida Orthopaedic Institute, Tampa, US*; ³*Arizona Center for Hand to Shoulder Surgery, Phoenix, US*; ⁴*Vanderbilt University, Nashville, US*; ⁵*University of Washington, Seattle, US*; ⁶*Texas Tech University Health Sciences Center, Lubbock, US*; ⁷*Duke University, Durham, US*
- A-1051** WHAT TO DO WITH A PAINFUL NEUROMA: RESECTION AND RECONSTRUCTION WITH PROCESSED NERVE ALLOGRAFT PROVIDES A PROMISING SOLUTION TO THIS DILEMMA Bauback Safa¹, Ian Valerio^{2,3}, Sanu Jain², John Ingari⁴, Mihir Desai⁵, Fraser Leversedge⁶, Gregory M Buncke¹ | ¹*The Buncke Clinic, San Francisco, US*; ²*The Ohio State University, Columbus, US*; ³*Massachusetts General Hospital, Boston, US*; ⁴*Johns Hopkins University, Baltimore, US*; ⁵*Vanderbilt University, Nashville, US*; ⁶*Duke University, Durham, US*
- A-1054** OBJECTIVE REPRODUCIBILITY OF SCRATCH COLLAPSE TEST IN CARPAL TUNNEL SYNDROME Belén García-Medrano¹, Montserrat Ocampos Hernández², Clarisa Simón Pérez³, Pedro J Delgado Serrano¹, Fernando Corella Montoya¹ | ¹*HM Montepíncipe, Madrid, Spain*; ²*Infanta Leonor Hospital, Quirón Salud Hospital, Madrid, Spain*; ³*Clinico Hospital, Valladolid, Spain*
- A-1068** OUTCOMES FROM PROCESSED NERVE ALLOGRAFT AND NERVE AUTOGRAFT IN UPPER EXTREMITY NERVE REPAIRS: PRELIMINARY FINDINGS FROM A PROPENSITY MATCHED COHORT STUDY Bauback Safa¹, Josef Zoldos², Wesley Thayer³, Dennis Kao⁴, Gregory M Buncke¹ | ¹*The Buncke Clinic, San Francisco, US*; ²*Arizona Center for Hand to Shoulder Surgery, Phoenix, US*; ³*Vanderbilt University, Nashville, US*; ⁴*University of Washington, Seattle, US*
- A-1155** SILKBRIDGE™, A NOVEL HYBRID TEXTILE-ELECTROSPUN TUBULAR ARCHITECTURE: PRECLINICAL VALIDATION FOR PERIPHERAL NERVE REGENERATION Federica Fregnan^{1,2}, Luisa Muratori^{1,2}, Giulia Alessandra Bassani³, Marco Biagiotti³, Valentina Vincoli³, Stefano Geuna^{1,2}, Antonio Alessandrino³, Giuliano Freddi³, Giulia Ronchi^{1,2} | ¹*Department of Clinical and Biological Sciences, University of Torino, Torino, Italy*; ²*Neuroscience Institute Cavalieri Ottolenghi, University of Torino, Torino, Italy*; ³*Silk Biomaterials Srl, Lomazzo (Co), Italy*
- A-1157** A PHASE I TRIAL OF A NOVEL, MICRO-GROOVED, SYNTHETIC NERVE GUIDANCE CONDUIT (POLYNERVE) Ralph Murphy^{1,2}, Alessandro Ferroni¹, Jason Wong^{1,2}, Adam Reid^{1,2} | ¹*Blond McIndoe Laboratory, Manchester, UK*; ²*Department of Plastic and Reconstructive Surgery, MFT, Manchester, UK*

NERVE TRANSFER

- A-0720** THE CASE FOR A POSTERIOR APPROACH TO SUPRASCAPULAR NERVE TRANSFER AFTER TRAUMATIC BRACHIAL PLEXUS INJURY: ARE WE MISSING PATHOANATOMY AT THE SUPRASCAPULAR NOTCH? Devanshi Jimulia, Richard Jones, Lewis Turner, Samuel George, Tahseen Chaudhry, Dominic Power | *Queen Elizabeth Hospital, Birmingham, UK*
- A-0925** FUNCTIONAL OUTCOME AND NEUROPLASTIC CHANGES FOLLOWING NERVE TRANSFER OF THE ANTERIOR INTEROSSEOUS NERVE (AIN) TO THE MOTOR BRANCH OF THE ULNAR NERVE IN PATIENTS WITH A PROXIMAL ULNAR NERVE INJURY Erika Nyman, Torbjörn Nyman, Carin Rubensson, Magnus Thordstein | *Department of Hand Surgery, Plastic Surgery and Burns and Department of Clinical and Experimental Medicine, Linköping University, Linköping, Sweden*
- A-0950** A PRELIMINARY STUDY OF AWAKENING ANESTHESIA AND INTRAOPERATIVE ELECTRICAL STIMULATION

FOR NEUROPHYSIOLOGICAL MONITORING DURING CONTRALATERAL SEVENTH CERVICAL NERVE TRANSFER IN PATIENTS WITH CENTRAL HEMIPLEGIA Tie Li¹, Wenjun Qi¹, Zhaori Bi¹, Xuehu Wang², Yanqun Qiu², Yundong Shen¹, Wendong Xu¹, Yudong Gu¹ | ¹Huashan Hospital Fudan University, Shanghai, China; ²Jing'an District Central Hospital, Fudan University, Shanghai, China

- A-1112** A NOVEL NERVE TRANSFER: THE SECOND PALMAR INTEROSSEOUS MOTOR BRANCH OF THE ULNAR NERVE TO THE RECURRENT MOTOR BRANCH OF THE MEDIAN NERVE Gökçe Yildiran¹, İsmail Bulent Özcelik², Berkan Mersa², Mustafa Sutcu¹, Zeliha Esin Celik³, Tackin Özalp⁴ | ¹Selcuk University Medical Faculty Department of Plastik, Reconstructive and Aesthetic Surgery Division of Hand Surgery, Selcuklu, Konya, Turkey; ²IST-EL Hand Surgery, Microsurgery and Rehabilitation Group, GOP Hospital, Istanbul, Turkey; ³Selcuk University Medical Faculty Department of Pathology, Selcuklu, Konya, Turkey; ⁴Celal Bayar University Medical Faculty Department of Orthopaedics and Traumatology Division of Hand Surgery, Manisa, Turkey

OTHERS

- A-0086** DURATION OF CAST IMMOBILISATION IN DISTAL RADIUS FRACTURES, A SYSTEMATIC REVIEW Eak van Delft¹, TG van Gelder², R de Vries³, J Vermeulen⁴, FW Bloemers⁵ | ¹Amsterdam UMC, Vrije Universiteit Amsterdam, Department of Trauma Surgery, Amsterdam Movement Sciences; ²Amsterdam UMC, Vrije Universiteit Amsterdam, Department of Trauma Surgery; ³Medical Library, Amsterdam UMC, Vrije Universiteit Amsterdam; ⁴Maastad Hospital, Department of Trauma surgery; ⁵Amsterdam UMC, Vrije Universiteit Amsterdam, Department of Trauma Surgery
- A-0162** DEMOGRAPHIC AND CLINICOPATHOLOGICAL PREDICTING FACTORS OF ELECTRODIAGNOSTIC STUDY RESULTS IN PATIENTS WITH CLINICALLY CONFIRMED CARPAL TUNNEL SYNDROME Lance G Warhold¹, Xiangyu Zhao^{1,2}, Sarah M Trainor¹, Erik R Bergquist¹, Jeffrey A Cohen¹ | ¹Dartmouth-Hitchcock Medical Center, Lebanon, USA; ²Geisel School of Medicine at Dartmouth, Hanover, USA
- A-0171** SUTURE BUTTON SUSPENSIONPLASTY FOR THUMB CMC ARTHRITIS – RESULTS AT MEAN 2 YEAR FOLLOW UP Carla Nunes, Pedro Xavier Fernandes, Raquel Teixeira, Hugo Ribeiro | Hospital de Sao Francisco Xavier, Lisbon, Portugal
- A-0180** ONCOLOGICAL TREATMENT CONSIDERATIONS DIFFER ACROSS SURGICAL SUBSPECIALTIES TREATING MALIGNANT PERIPHERAL NERVE SHEATH TUMORS: AN INTERNATIONAL SURVEY Enrico Martin¹, Willem-Bart M Slooff², Winan J van Houdt³, Thijs van Dalen^{4,5}, Cornelis Verhoeve⁶, J Henk Coert¹ | ¹Department of Plastic and Reconstructive Surgery, University Medical Center Utrecht, The Netherlands; ²Department of Neurosurgery, University Medical Center Utrecht, The Netherlands; ³Department of Surgical Oncology, Netherlands Cancer Institute, Amsterdam, The Netherlands; ⁴Department of Surgical Oncology, University Medical Center Utrecht, The Netherlands; ⁵Department of Surgery, Diaconessenhuis Utrecht, The Netherlands; ⁶Department of Surgical Oncology, Erasmus Medical Center Cancer Institute, Rotterdam, The Netherlands
- A-0182** PATIENTS WITH HIGHER TREATMENT OUTCOME EXPECTATIONS ARE MORE SATISFIED WITH THE RESULTS OF NON-OPERATIVE TREATMENT FOR THUMB BASE OSTEOARTHRITIS: A COHORT STUDY Lisa Hoogendam^{1,2}, Mark JW van der Oest^{1,2}, Eleni-Rosalina Andrinopoulou¹, Robbert M Wouters^{1,3}, Guus M Vermeulen², Harm P Slijper², Ruud W Selles¹, Jarry T Porsius^{1,2} | ¹Erasmus Medical Center, Rotterdam, The Netherlands; ²Xpert Clinic, Eindhoven, The Netherlands; ³Handtherapie Nederland, Utrecht, The Netherlands
- A-0201** A REVIEW OF FOUR CORNER FUSIONS RADIOLUCENT LOCKING DORSAL PLATES WITH A NOVEL BONE GRAFTING TECHNIQUE SS Jing¹, Jia Choong², E Laugharne¹, Subodh Deshmukh¹ | ¹Royal Orthopaedic Hospital, Birmingham, UK; ²Queen Elizabeth Hospital, Birmingham, UK
- A-0242** PATIENTS WITH THUMB BASE OSTEOARTHRITIS SCHEDULED FOR SURGERY HAVE MORE SYMPTOMS,

WORSE PSYCHOLOGICAL PROFILE AND HIGHER EXPECTATIONS COMPARED TO NON-SURGICAL COUNTERPARTS: A LARGE COHORT ANALYSIS Robbert M Wouters^{1,2,3}, Ana-Maria Vranceanu⁴, Harm P Slijper²⁽³⁾⁽⁵⁾, Guus M Vermeulen⁵, Mark JW van der Oest^{2,3,5}, Ruud W Selles^{2,3}, Jarry T Porsius^{2,3,4,5}, The Hand-Wrist Study Group | ¹*Center for Hand Therapy, Handtherapie Nederland, Utrecht, the Netherlands;* ²*Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, University Medical Center Rotterdam, Rotterdam, the Netherlands;* ³*Department of Rehabilitation Medicine, Erasmus MC, University Medical Center Rotterdam, Rotterdam, the Netherlands;* ⁴*Integrated Brain Health Clinical and Research Program, Department of Psychiatry, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA;* ⁵*Hand and Wrist Center, Xpert Clinic, Eindhoven, the Netherlands*

A-0243 PSYCHOLOGICAL CHARACTERISTICS, FEMALE SEX, AND OPIOID USAGE PREDICT ACUTE POSTOPERATIVE PAIN IN PATIENTS SURGICALLY TREATED FOR THUMB BASE OSTEOARTHRITIS – A COHORT STUDY Robbert M Wouters^{1,2,3}, Jarry T Porsius^{2,3,4,5}, Mark JW van der Oest^{2,3,5}, Harm P Slijper^{2,3,5}, Sebastiaan S Souer⁵, Ruud W Selles^{2,3}, Joy C MacDermid⁶⁽⁷⁾⁽⁸⁾, The Hand-Wrist Study Group | ¹*Center for Hand Therapy, Handtherapie Nederland, Utrecht, the Netherlands;* ²*Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, University Medical Center Rotterdam, Rotterdam, the Netherlands;* ³*Department of Rehabilitation Medicine, Erasmus MC, University Medical Center Rotterdam, Rotterdam, the Netherlands;* ⁴*Integrated Brain Health Clinical and Research Program, Department of Psychiatry, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA;* ⁵*Hand and Wrist Center, Xpert Clinic, Eindhoven, the Netherlands;* ⁶*School of Physical Therapy, Western University, London, ON, Canada;* ⁷*School of Rehabilitation Science, McMaster University, Hamilton, ON, Canada;* ⁸*The Hand and Upper Limb Centre, St Joseph's Health Centre, London, ON, Canada*

A-0271 COMPLICATIONS OF STEROID INJECTIONS IN THE HAND AND WRIST Mark Maher, Omar Jaweesh, Michelle Spiteri | *Nuffield Orthopaedic Centre, Oxford, United Kingdom*

A-0280 QUANTIFYING MUSCLE OVER THE CARPAL TUNNEL-A PILOT STUDY Ronit Wollstein, Trevor Simcox, Lauren Seo, Dennis Kunichoff, Catherine Petchprapa, Kevin Dunham | *New York University School of Medicine, NY, USA*

A-0282 A RARE CASE OF CUTANEOUS TRICHOPHYTON VERRUCOSUM OF THE FOREARM IN A 51-YEAR-OLD CATTLE FARMER Alissa Gübeli¹, Philipp Honigmann^{1,2}, Marco Keller¹ | ¹*Kantonsspital Baselland, Department of Handsurgery, Liestal, Switzerland;* ²*Medical Additive Manufacturing research lab, Department of Biomedical Engineering, University of Basel, Switzerland*

A-0318 POSTMARKETING SURVEILLANCE OF A TIN RING SPLINT FOR OSTEOARTHRITIS OF THE DISTAL INTERPHALANGEAL JOINT Atsuro Murai, Kaoru Tada, Mika Nakada, Masashi Matsuta, Hiroyuki Tsuchiya | *Department of Orthopaedic Surgery, Graduate School of Medical Science Kanazawa University, Kanazawa, Japan*

A-0325 MODIFIED SNOW TECHNIQUE WITH WALANT FOR CENTRAL SLIP INJURY Can Emre Bas¹, Egemen Ayhan¹, Orhan Kunu¹, Cigdem Ayhan² | ¹*Dişkapı Yıldırım Beyazıt Education and Research Hospital, Turkey;* ²*Hacettepe University Physiotherapy and Rehabilitation Department, Turkey*

A-0346 CAN INTRAMEDULLARY HEADLESS SCREW FIXATION IMPROVE THE RESULTS IN PHALANGEAL AND METACARPAL FRACTURES? Andrea Poggetti¹, Alessandro Fagetti², Mario Cherubino², Sandra Pfanner¹ | ¹*Hand and Reconstructive Microsurgery Unit, AOUC, Florence, Italy;* ²*Microsurgery and Hand Unit, ASST, Varese, Italy*

A-0451 THE PRESENTATION, DIAGNOSIS AND MANAGEMENT OF NON-TRAUMATIC WRIST PAIN: AN EVALUATION OF CURRENT PRACTICE IN SECONDARY CARE IN THE UK NHS Benjamin Dean^{1,2} | ¹*MOWP Study Group;* ²*University of Oxford*

A-0453 MANAGEMENT OF METACARPAL SHAFT FRACTURES IN ADULTS: A MULTI-CENTRE CROSS-SECTIONAL STUDY Rowa Taha¹, Metacarpal Shaft Fracture Group², Tim RC Davis³, Alan Montgomery⁴, Alexia Karantana^{1,4} | ¹*Centre for Evidence Based Hand Surgery, University of Nottingham, Nottingham, United Kingdom;* ²*Bristol*

Royal Infirmary, Bristol, Leeds General Infirmary, Leeds, Royal Sunderland Hospital, Sunderland, Stoke Mandeville Hospital, Ayelsbury, University Hospital Wales, Cardiff, United Kingdom; ³Queen's Medical Centre, Nottingham, United Kingdom; ⁴Nottingham Clinical Trials Unit, Nottingham, United Kingdom

- A-0454** A SYSTEMATIC REVIEW OF SURGICAL VERSUS NON-SURGICAL TREATMENT INTERVENTIONS FOR METACARPAL SHAFT FRACTURES IN ADULTS Rowa Taha¹, Douglas Grindlay¹, Sandeep Deshmukh¹, Alan Montgomery², Tim RC Davis³, Alexia Karantana^{1,2} | ¹Centre for Evidence Based Hand Surgery, University of Nottingham, Nottingham, United Kingdom; ²Nottingham Clinical Trials Unit, Nottingham, United Kingdom; ³Queen's Medical Centre, Nottingham, United Kingdom
- A-0457** INTRAMUSCULAR INJECTION GENERAL ANESTHESIA FOR EXPERIMENTAL SURGERY IN RATS Irina Miguleva^{1,2}, Marina Petukhova¹, Andrei Savotchenko², Aleksei Fain¹, Aleksandr Vaza¹ | ¹Sklifosovsky Clinical and Research Institute for Emergency Medicine; ²Department of Hand Surgery, State Clinical Hospital No. 29, Moscow, Russia
- A-0482** INCIDENCE AND OPERATIONS OF CARPAL TUNNEL SYNDROME, ULNAR AND RADIAL NEUROPATHIES IN FINLAND: A NATIONWIDE REGISTER STUDY Sina Hulkkonen¹, Kaisa Lampainen¹, Juha Auvinen^{2,3}, Jouko Miettunen^{2,3}, Jaro Karppinen^{3,4}, Jorma Ryhänen¹ | ¹Department of Hand Surgery, Helsinki University Hospital and University of Helsinki, Finland; ²Center for Life Course Health Research, University of Oulu, Finland; ³Medical Research Center Oulu, Oulu University Hospital and University of Oulu, Finland; ⁴Finnish Institute of Occupational Health, Oulu, Finland
- A-0500** CORRELATION BETWEEN BONE INVOLVEMENT AND RELAPS AFTER GLOMUS TUMOR SURGERY Huseyin Can Yucel¹, Mehmet Korkut², Alirza Jahangirav³, Gaye Torna⁴, Atakan Aydin⁵ | *Istanbul University Faculty of Medicine, Istanbul, Turkey*
- A-0504** CORRELATION BETWEEN BONE INVOLVEMENT AND RELAPS AFTER GIANT CELL TUMOR OF THE TENDON SHEATH TUMORS SURGERY Huseyin Can Yucel, Mehmet Korkut, Alirza Jahangirav, Gaye Torna, Atakan Aydin | *Istanbul University Faculty of Medicine, Istanbul, Turkey*
- A-0521** HOW SEVERE IS THE PAIN WHEN RECURRED AFTER RECEIVING CORTICOSTEROID INJECTION? Amir R Kachooei¹, Babak Shojai² | ¹Orthopedic Research Center, Mashhad University of Medical Sciences, Mashhad, Iran; ²Department of orthopedic and Hand Surgery, St Marien Stift Hospital, Friesoythe, Germany
- A-0526** HOW TO SAVE THE TRAPEZIUM : DOUBLE THUMB ARTHROPLASTY FOR COMBINED TMC AND STT OSTEOARTHRITIS Raphaëlle Gibaud-Dumartinet¹, Nicolas Bigorre², Alexandre Petit², Jerome Brunet², Jerome Jeudy², Fabrice Rabarin², Bruno Cesari², Guy Raimbeau², Yann Saint-Cast² | ¹Département de chirurgie osseuse, CHU Angers, Angers, France; ²Centre de la Main, Trelaze, France
- A-0539** BIPARTITE SCAPHOID WITH REMNANT "OS CENTRALE", 3 CASES WITH 3D ANALYSIS Justine Dufour¹, Caley Orr², Sebastien Durand¹ | ¹CHUV Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland; ²University of Colorado, Denver, USA
- A-0672** DIABETES MELLITUS AS A RISK FACTOR FOR COMPRESSION NEUROPATHY - A LONGITUDINAL, PROSPECTIVE COHORT STUDY FROM SOUTHERN SWEDEN Mattias Rydberg^{1,2}, Malin Zimmerman^{1,2}, Anders Gottsäter³, Peter Nilsson^{4,5}, Olle Melander⁵, Lars B Dahlin^{1,2} | ¹Department of Hand Surgery, Lund University, Skåne University Hospital, Malmö, Sweden; ²Department of Translational Medicine – Hand Surgery, Lund University, Lund, Sweden; ³Department of Vascular Diseases, Lund University Skåne University Hospital, Malmö, Sweden; ⁴Department of Internal Medicine, Clinical Research Unit, Lund University, Malmö, Sweden; ⁵Department of Internal Medicine, Lund University, Skåne University Hospital, Malmö, Sweden
- A-0673** BODY MASS INDEX AND THE RISK FOR CARPAL TUNNEL SYNDROME – A PROSPECTIVE COHORT STUDY Mattias Rydberg^{1,2}, Malin Zimmerman^{1,2}, Anders Gottsäter³, Peter Nilsson^{4,5}, Olle Melander⁵, Lars B Dahlin^{1,2} | ¹Department of Hand Surgery, Lund University, Skåne University Hospital, Malmö, Sweden; ²Department of Translational Medicine – Hand Surgery, Lund University, Lund, Sweden; ³Department of

Vascular Diseases, Lund University Skåne University Hospital, Malmö, Sweden; ⁴Department of Internal Medicine, Clinical Research Unit, Lund University, Malmö, Sweden; ⁵Department of Internal Medicine, Lund University, Skåne University Hospital, Malmö, Sweden

- A-0688** EXTENDED INDICATIONS FOR RETROGRADE INTRAMEDULLAR PERCUTANEOUS SCREW FIXATION IN PHALANX FRACTURES. WHERE ARE THE LIMITS? Sergi Alabau-Rodriguez, Sergi Barrera-Ochoa, Gerardo Méndez, Ignacio Esteban-Feliu, Tryno Munoz-Perdomo, Xavier Mir-Bullo | *icatMA, ICATME, Hospital Universitari Quiron - Dexeus, Barcelona, Spain*
- A-0690** SEVERE AND COMPLICATED FINGER INFECTION: MORE FREQUENT THAN EXPECTED AND MOSTLY OF IATROGENIC CAUSE Alexandre Dorfmann^{1,2}, Sylvie Carnès¹, Olivier Kadji¹, Max Uzel², Christian Dumontier¹ | ¹Hand Center, Guadeloupe; ²Orthopedic Department, University Hospital of Guadeloupe
- A-0712** JOINT DISTRACTION AS NOVEL TREATMENT FOR PATIENTS WITH THUMB CARPOMETACARPAL OSTEOARTHRITIS Janna Ottenhoff¹, Anne Spaans², Assa Braakenburg², Teun Teunis², Paul van Minnen³, Aebele Mink van der Molen^{1,2} | ¹Plastic, Reconstructive and Hand Surgery Department, University Medical Center Utrecht, Utrecht, The Netherlands; ²Plastic, Reconstructive and Hand Surgery Department. St. Antonius Ziekenhuis, Nieuwegein, The Netherlands; ³Department of Plastic Surgery, Royal Adelaide Hospital, Adelaide, Australia
- A-0719** STT OSTEOARTHRITIS AND DIFFERENT TREATMENT CONCEPTS - DIRECT COMPARISON IN A SINGLE INSTITUTION Moritz Scholtes, Mario Bonaccio, Joachim Ganser | *Department of Hand and Plastic Surgery, Spital Thurgau AG, Frauenfeld and Münsterlingen, Switzerland*
- A-0725** GLOMUS TUMOURS - CLASSIC AND RARE LOCATIONS IN THE HAND Moritz Scholtes, Mario Bonaccio, Joachim Ganser | *Department of Hand and Plastic Surgery, Spital Thurgau AG, Frauenfeld and Münsterlingen, Switzerland*
- A-0782** THE USEFULNESS OF ULTRASONOGRAPHY IN DIAGNOSING THE CARPAL TUNNEL SYNDROME Mihaela Perteau^{1,2}, S Ursu³, P Ciobanu^{1,2}, R Tudor⁴, Diana Al Khazaleh², Oxana Madalina Grosu^{1,2} | ¹"Grigore T. Popa" University of Medicine and Pharmacy, Iasi, Romania; ²Clinic of Plastic Surgery and Reconstructive Microsurgery, "Sf. Spiridon" Emergency Hospital, Iasi, Romania; ³Clinic of Othopaedics and Traumatology, Public Medical-Sanitary Institute, Chisinau, Moldova; ⁴Department of Othopaedics and Traumatology, Emergency Hospital Vaslui, Romania
- A-0824** THE LUCERNE CAST IN THE TREATMENT OF METACARPAL FRACTURES - FIRST STEP TO A PARADIGM-SHIFT OF THEIR CONSERVATIVE TREATMENT Moritz Scholtes, Joachim Ganser | *Department of Hand- and Plastic Surgery, Spital Thurgau AG, Frauenfeld and Münsterlingen, Switzerland*
- A-0833** PROSPECTIVE COHORT STUDY TO INVESTIGATE FACTORS ASSOCIATED WITH CONTINUED IMMOBILISATION OF A NONDISPLACED SCAPHOID WAIST FRACTURE Anne Eva Bulstra^{1,2}, Laurent Hendrickx^{1,2}, Inger Siereveld⁴, Geert A Buijze², Gino Kerkhoffs², David Ring³, Ruurd L Jaarsma¹, Job N Doornberg^{1,2} | ¹Flinders Medical Centre, Flinders University, Department of Orthopaedic and Trauma Surgery, Adelaide, South Australia, Australia; ²Academic Medical Centre, Amsterdam UMC, Department of Orthopaedic Surgery, Amsterdam, the Netherlands; ³Dell Medical School, the University of Texas at Austin, Department of Surgery and Perioperative Care, Austin, the United States; ⁴Specialized Centre of Orthopedic Research and Education (SCORE), Xpert Orthopedics, Amsterdam, the Netherlands
- A-0834** 10-YEAR REVIEW OF OUTCOMES FROM WRIST DENERVATION Nicolas G Rabey, Alexandra Frances Hazlerigg, Henk P Giele, Christopher Little, Ian McNab, N Riley, Michelle Spiteri | *Nuffield Orthopaedic Centre, Oxford, UK*
- A-0901** IVORY ARTHROPLASTY FOR TRAPEZIOMETACARPAL JOINT OSTEOARTHRITIS IN MEN: A PROSPECTIVE ANALYSIS OF CLINICAL OUTCOME AND IMPLANT SURVIVAL Bert Vanmierlo¹, Tom Gryson², Francis Bonte², Kjell van Royen³, Tim Vanmierlo^{4,5}, Jean F Goubau⁶⁽⁷⁾ | ¹AZ Delta, Roeselare, Belgium; ²AZ Sint-Jan

AV Brugge–Oostende, Campus Brugge, Brugge, Belgium; ³AZ Damiaan, Oostende, Belgium; ⁴Biomedical Research Institute; (Biomed) Hasselt University, Hasselt, Belgium; ⁵School for Mental Health and Neuroscience; (MHeNs), Maastricht University, the Netherlands; ⁶University Hospital of Brussels, Brussels, Belgium; ⁷AZ Maria Middelares, Gent, Belgium

- A-0904** OPPONENSPLASTY USING FLEXOR DIGITORUM SUPERFICIALIS TO THE RING FINGER COMBINED WITH ENDOSCOPIC CARPAL TUNNEL RELEASE FOR SEVERE THENAR ATROPHY SECONDARY TO CARPAL TUNNEL SYNDROME Kinya Nishida, Yong Ho Che, Kazuhiro Uesugi, Akane Maeda | *Department of Orthopaedic Surgery, Teine Keijinkai Hospital, Sapporo, Japan*
- A-0919** CMC1-TOTAL JOINT ARTHROPLASTY: A RETROSPECTIVE EVALUATION OF THREE IMPLANTS OVER A 6-YEAR PERIOD Michaela Winkler, Michael Papaloizos | *CH8, Geneva, Switzerland*
- A-0921** handsurgery – the potential of social media in hand surgery, a new frontier Inga S Besmens, Marco Guidi, Semra Uyulmaz, Nicole Lindenblatt, Maurizio Calcagni | *Department of Plastic Surgery and Hand Surgery, University Hospital Zurich, Zurich, Switzerland*
- A-0954** A PROSPECTIVE, EXPERIMENTAL, SINGLE CENTER, OBSERVATIONAL STUDY TO ANALYZE THE CONCENTRATION OF THE ANTISEPTIC OCTENISEPT® IN HAND WOUNDS DUE TO ULTRAHIGH PERFORMANCE LIQUID CHROMATOGRAPHY Susanne Langen, Patrick Lötscher, Rahel Meier, Esther Vögelin, Carsten Surke | *Inselspital, Bern University Hospital, Bern, Switzerland*
- A-0957** SURGICAL DECOMPRESSION OF THE UPPER LIMB EXERTIONAL COMPARTMENT SYNDROME: OUTCOME AFTER MINI-OPEN FASCIOTOMY Ines Regas^{1,2}, Isabelle Pluvy^{1,2,3}, Francois Loisel^{1,2,3}, Basile Fuchs⁴, Harisson Haight^{4,1,2}, Fiona Sakek^{1,2}, Pierre Tuphe^{1,2}, Etienne Schmitt⁵, Fabrice Michel⁵, Laurent Obert^{1,2,3}, Daniel Lepage^{1,2} | ¹Orthopaedic and Traumatology Surgery Department, Besancon University Hospital, Besancon, France; ²Besancon University Hospital, Medical and Pharmaceutics Sciences Medicales, Besancon, France; ³Nanomedicine Lab, Imagery and Therapeutics; (EA 4662), SFR FED 4234, University of Franche-Comte, Besancon, France; ⁴Public Health Department, Nantes University Hospital, Nantes, France; ⁵Physical Medicine and Rehabilitation, Besancon University Hospital, Besancon, France
- A-0961** IMPROVING OUTCOMES OF TRIGGER FINGER STEROID INJECTION BY EASTWOOD PERCUTANEOUS NEEDLE RELEASE Fernando Dávila Fernández¹, Jorge Enrique Ruiz Zafra², Homid Fahandezh-Saddi Diaz², David Manuel Ferreno Márquez², Fátima Bebea², Javier de la Fuente¹ | ¹Clinica Pakea-Mutualia, San Sebastian, Spain; ²Hospital de Alcorcón, Madrid, Spain
- A-0968** IMMOBILIZATION PROTOCOLS FOLLOWING TRAPEZIECTOMY FOR RHIZARTHROSIS: 2 WEEKS VERSUS 4 WEEKS Liliya Efremova, Yuka Igeta, Juan José Hidalgo Diaz, Stéphanie Gouzou, Sybille Facca, Philippe Liverneaux | *Department of Hand Surgery, SOS Hand, CCOM, University Hospital of Strasbourg, FMTS, University of Strasbourg, Icube CNRS 7357, Strasbourg, France*
- A-0973** RISK FACTORS FOR NONUNION AFTER DISTAL PHALANGEAL FRACTURE OF THE HAND Christin Kammerhofer¹, Céline Bratschi¹, Andreas Weber¹, Thuan V Ly¹, Claudia Meuli-Simmen¹, Flavien Mauler^{1,2} | ¹Kantonsspital Aarau, Aarau, Switzerland; ²Geneva University Hospitals, Geneva, Switzerland
- A-0980** IS THERE A NEED FOR INITIAL CLOSED REDUCTION FOR UNSTABLE DISTAL RADIUS FRACTURES REQUIRING PALMAR PLATING? Steffen Löw¹, Marion Papay², Christian Spies³, Frank Unglaub³, Christoph Eingartner² | ¹Clinic for Hand Surgery and Trauma Surgery, Bad Mergentheim, Germany; ²Clinic for Orthopedic and Trauma Surgery, Caritas-Krankenhaus, Bad Mergentheim, Germany; ³Clinic for Hand Surgery, Vulpius Clinic, Bad Rappenau, Germany
- A-0989** THE DEBATEBLE ARCADE OF STRUTHERS: IS IT STILL TIME TO CONSIDER IT? Marco Guidi¹, Stefano Lucchina², Florian S Früh¹, Inga S Besmens¹, Esin Rothenflu¹, Maurizio Calcagni¹ | ¹University Hospital Zurich, Switzerland; ²Regional Hospital Locarno, Locarno Hand Surgery Center, Switzerland
- A-1012** MORPHOEIA PROFUNDA PRESENTING AS BILATERAL CARPAL TUNNEL SYNDROME. Pauline McGee¹, Smita

Bhat², Alex Lambah² | ¹St John's Hospital, Livingston, UK; ²Ninewells Hospital, Dundee, UK

- A-1070** USE OF WALANT (WIDE AWAKE LOCAL ANESTHESIA NO TOURNIQUET) ON THE UPPER LIMB – THE REALITY OF A REGIONAL HOSPITAL Carlos Ferreira, Ana Pereira, Vítor Rodrigues, Carlos Pina, Sérgio Figueiredo, António Sá | *Centro Hospitalar de Leiria, Portugal*
- A-1075** WHAT IS THE VALUE OF NONSURGICAL INTERVENTIONS IN THE TREATMENT OF PEDIATRIC GANGLION CYSTS? Carolyn Shanks¹, Tyler Schaeffer², Danielle A Hogarth³, Marilyn Elliot⁴, Andrea S Bauer², Joshua M Abzug³, Christine A Ho⁴ | ¹UT Southwestern Medical Center, Dallas, Texas, United States; ²Department of Orthopaedics, Boston Children's Hospital, Boston, Massachusetts, United States; ³Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, Maryland, United States; ⁴Department of Orthopaedics, Texas Scottish Rite Hospital for Children, Dallas, Texas, United States
- A-1076** RATIONALE FOR OCCUPATIONAL THERAPY REFERRALS IN PEDIATRIC UPPER EXTREMITY FRACTURE CARE Megan Lerner, Danielle A Hogarth, Joshua M Abzug | *Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, Maryland, United States*
- A-1080** REVISION RATE OF PYROCARDAN IN CMC I OSTEOARTHRITIS Stefanie Hirsiger, Esther Vögelin | *Inselspital, University Hospital Bern, Switzerland*
- A-1081** ACCURACY OF PEDIATRIC UPPER EXTREMITY DIAGNOSES BY EMERGENCY DEPARTMENTS AND URGENT CARE CENTERS Anna Schonover, Xuyang Song, Alexandria L Case, Joshua M Abzug | *Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, Maryland, United States*
- A-1082** THE SCAPHOLUNATE INTERVAL IN THE PEDIATRIC POPULATION DECREASES IN SIZE AS AGE INCREASES Timothy Brandon Shaver, Alexandria L Case, Danielle A Hogarth, Joshua M Abzug | *Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, Maryland, United States*
- A-1116** EXTENDED DORSAL CENTRAL SPLITTING APPROACH FOR SURFACE IMPLANT ARTHROPLASTY OF THE PIP JOINT AFFECTED BY OSTEO ARTHRITIS -OUR RECENT STRATEGY AND EARLY OUTCOMES- Yoshitaka Hamada^{1,3}, Yoshitaka Minamikawa³, Takeyasu Toyama^{1,3}, Ryosuke Sato², Riichirou Kinoshita¹, Emiko Horii¹, Takanori Saito¹ | ¹Department of Orthopedic Surgery and Hand Center, Kansai Medical University, Osaka, Japan; ²Tokushima Municipal Hospital, Tokushima, Japan; ³Namba Hand Center, Osaka, Japan
- A-1128** AMANDYS® VERSUS 4 CORNER FUSION IN PATIENTS OVER 55 YEARS OLD: MID-TERM RETROSPECTIVE STUDY FOR SLAC, SNAC OR SCAC GRADE 3 Caroline Cointat¹, Flore-Anne Lecoq², Yves Kerjean², Yves Bouju², Etienne Gaisne², Philippe Bellemère² | ¹Nice University Hospital, Nice, France; ²Institut de la main Nantes-Atlantique, Saint-Herblain, France
- A-1158** COMPLEX METACARPOPHALANGEAL JOINT DISLOCATION (KAPLAN'S LESION) OF THE INDEX FINGER IN A 5-YEAR-OLD MALE PATIENT: A CASE REPORT Carolina Mesoraca, Stavros Georgopoulos, Arun Thangavelu, Jean-Damien Nicodeme | *Reseau Hospitalier Neuchatelois, Neuchatel, Switzerland*
- A-1203** A SINGLE-CENTRE EXPERIENCE OF OPEN REDUCTION AND INTERNAL FIXATION METHODS IN TREATING HAND FRACTURES AT A SPECIALIST HAND SURGERY UNIT IN THE UK Parvathi Varma, Sanjib Majumder | *Pinderfields General Hospital, Wakefield, UK*
- A-1206** A RETROSPECTIVE SURVEY-BASED COHORT STUDY TO EVALUATE INSTRUCTED SCULPTING OF THE HUMAN HAND AS AN ANATOMY TRAINING TOOL FOR PLASTIC SURGEONS AND ALLIED HEALTHCARE PROFESSIONALS Thomas Edward Pidgeon¹, Rajive Jose², Francis Peart² | ¹University Hospital Coventry and Warwickshire, Coventry, UK; ²University Hospital Birmingham, Edgbaston, Birmingham, UK
- A-1211** OUTCOMES AFTER REVISION OF THUMB CARPOMETACARPAL JOINT ARTHROPLASTY Nina Fuchs, Miriam Marks, Stephan Schindele, Daniel B Herren | *Schulthess Klinik Zurich, Switzerland*
- A-1237** LATE CARPAL TUNNEL RELEASE AFTER A CONSERVATIVE TREATMENT OF A DISTAL RADIUS FRACTURE: INCIDENCE AND RISK FACTORS RF Westenberg, N Kazemian, NWL Schep, J Henk Coert, NC Chen | *Harvard Medical School - Massachusetts General Hospital, Hand and Upper Extremity Department, Boston, USA,*

A-1241 CLINICAL AND RADIOLOGICAL OUTCOME OF THE MATORTHO ARTHROPLASTY FOR PIP ARTHRITIS Kathleen Janssens, Frederik Verstreken | *AZ Monica SPM, Deurne, Belgium*

OUTCOME MEASUREMENT

A-0004 MINIMAL CLINICALLY IMPORTANT DIFFERENCE IS LOWER FOR CARPAL TUNNEL SYNDROME PATIENTS UNDERGOING INJECTION VERSUS SURGERY Verena JMM Schrier^{1,2}, Russell Gelfman¹, Peter C Amadio¹ | ¹Mayo Clinic, Rochester, MN, United States; ²Erasmus Medical Center, Rotterdam, the Netherlands

A-0034 UNCONSTRAINED PROXIMAL INTERPHALANGEAL JOINT ARTHROPLASTY: A SYSTEMATIC REVIEW Kunal Kulkarni, Nomaan Sheikh, Randeep Aujla, Pip Devall, Joseph Dias | *AToMS-Academic team of Musculoskeletal Surgery, Undercroft, University Hospitals of Leicester, Leicester NHS Trust, Leicester General Hospital, Gwendolen Road, Leicester, LE5 4PW. UK*

A-0041 DEVELOPING A CORE OUTCOME SET FOR HAND FRACTURES AND JOINT INJURIES IN ADULTS: A SYSTEMATIC REVIEW OF TREATMENT OUTCOMES Sandeep Deshmukh¹, Christos Mousoulis¹, Ben Marson², Douglas Grindlay¹, Paul Leighton³, Alan Montgomery⁴, Alexia Karantana¹, on behalf of the Core Outcome Set for Hand Fractures and Joint Injuries Study Group | ¹Centre for Evidence Based Hand Surgery, University of Nottingham, UK; ²Trauma Outcomes Group, University of Nottingham, UK; ³Centre of Evidence Based Dermatology, University of Nottingham, UK; ⁴Nottingham Clinical Trials Unit, University of Nottingham, UK

A-0063 A CASE SERIES REVIEWING THE POST-OPERATIVE OUTCOMES OF VOLAR PLATE-FIXATION IN CASES OF SCAPHOID DEFORMITY OR NON-UNION James Kennedy¹, Saif Ansari², Fizan Younis³ | ¹Health Education North West; ²University of Central Lancashire; ³East Lancashire Hospitals Trust

A-0156 THUMB MOTION RECOVERY AFTER CARPAL TUNNEL RELEASE: THUMB 3D MOTION ANALYSIS Akira Kodama¹, Hiroshi Kurumadani², Shota Date³, Nobuo Adachi¹, Toru Sunagawa² | ¹Dept. of Orthopaedic Surgery, Graduate School of Biomedical and Health Sciences, Hiroshima, Japan; ²Laboratory of Analysis and Control of Upper Extremity Function, Graduate School of Biomedical and Health Sciences, Hiroshima University

A-0157 MANUAL ABILITY IN HAND SURGERY PATIENTS: VALIDATION OF THE ABILHAND SCALE IN FOUR DIAGNOSTIC GROUPS Ghady El Khoury^{1,2}, Xavier Libouton¹, Jean-louis Thonnard², Philippe Lefevre², Massimo Penta², Olivier Barbier¹ | ¹Service D'Orthopédie et Traumatologie, Cliniques Universitaires Saint-Luc, Brussels, Belgium; ²Institute of Neuroscience, Université Catholique de Louvain, Brussels, Belgium

A-0279 COMPARING WRIST MOTION AND STRENGTH BETWEEN JAPANESE AND CAUCASIAN POPULATIONS Ronit Wollstein¹, Yoshihiro Tsukamoto², Shuichi Matsuda², Dennis Kunichoff¹, Andrew Brash¹, Ryosuke Ikeguchi² | ¹New York University School of Medicine, NY, USA; ²Kyoto University, Kyoto, Kyoto, Japan

A-0379 SINGLE-PORT ENDOSCOPIC CARPAL TUNNEL RELEASE USING WIDEA AWAKE LOCAL ANESTHESIA NO TOURNIQUET (WALANT) TECHNIQUE Frank Thiele¹, Itai Pasternak², Vera Urban¹, Claudia Meuli-Simmen¹, Thuan V Ly¹ | ¹Kantonsspital Aarau, Clinic for Hand, Plastic and Peripheral Nerve Surgery, Aarau, Switzerland; ²Spital Muri, Muri, Switzerland

A-0390 PROSPECTIVE STUDY COMPARING THE EVOLUTION ON THE RESULTS AFTER THE TREATMENT OF RIZARTHRITIS BY TOTAL PROSTHETIC REPLACEMENT VERSUS RESECTION-TENDON INTERPOSITION ARTHROPLASTY OF THE CARPO-METACARPAL JOINT OF THE THUMB Fernando del Canto Alvarez, Higinio Ayala Gutierrez, José Couceiro Otero, María Ángeles de la Red-Gallego, Manuel Rubén Sánchez Crespo, Germán Galindo Juárez | *University Hospital Marqués de Valdecilla, Santander, Spain*

A-0573 MEASUREMENT OF FINGER JOINT RANGE OF MOTION AFTER FLEXOR TENDON REPAIR: AN ALTERNATIVE

- A-0669** SUITABILITY OF AN INERTIAL-BASED SENSOR SYSTEM FOR THREE-DIMENSIONAL MOTION ANALYSIS OF THE WRIST Gabriella Fischer¹, Michael Wirth¹, Jorge Verdú², Lisa Reissner¹, Simone Balocco², Maurizio Calcagni¹ | ¹*Division of Plastic Surgery and Hand Surgery, University Hospital Zurich, University of Zurich, Zurich, Switzerland;* ²*Department of Mathematics and Informatics, University of Barcelona, Barcelona, Spain*
- A-0855** POSTOPERATIVE RECOVERY OF THE THENAR ATROPHY IN CARPAL TUNNEL SYNDROME ASSESSED BY ULTRASONOGRAPHY Issei Nagura¹, Takako Kanatani², Yoshifumi Harada², Fumiaki Takase², Atsuyuki Inui³, Yutaka Mifune³, Ryosuke Kuroda³ | ¹*Ako City Hospital, Hyogo, Japan;* ²*Kobe Rosai Hospital, Hyogo, Japan;* ³*Kobe University of Medicine, Hyogo, Japan*
- A-0900** IMPACT OF PATIENT-REPORTED ALLERGIES ON EARLY POSTOPERATIVE OPIOID USE AND OUTCOMES FOLLOWING AMBULATORY HAND SURGERY Francesca R Coxé^{1,2}, Claire I Verret^{1,2}, Jeffrey G Stepan², Joseph T Nguyen³, Duretti T Fufa² | ¹*Weill Cornell Medicine, New York, NY, USA;* ²*Department of Orthopedic Surgery, Hospital for Special Surgery, New York, NY, USA;* ³*Biostatistics Core, Hospital for Special Surgery, New York, NY, USA*
- A-1017** THE ROLE OF A SPANNING PLATE AS AN INTERNAL FIXATOR IN COMPLEX DISTAL RADIUS FRACTURES Rémy Liechi^{1,2}, Urs Hug², Björn-Christian Link¹, Reto Babst¹, Frank JP Beeres¹ | ¹*Department of Orthopedic and Trauma Surgery, Cantonal Hospital of Lucerne, Lucerne, Switzerland;* ²*Department of Hand and Plastic Surgery, Cantonal Hospital of Lucerne, Lucerne, Switzerland*
- A-1033** CLINICAL AND RADIOLOGICAL RESULTS OF PARTIAL CARPAL ARTHRODESIS WITH HUBCUPTM PLATE: CASE SERIES AND BIBLIOGRAPHIC REVIEW Ana Scott-Tennent De Rivas¹, Pau Forcada Calvet^{1,2}, Juan Alberto Cruz Reyes³, Amer Mustafa Gondolbeu^{1,2}, Marta Bonjorn Martí^{1,2}, Laura Prats Gispert^{1,2} | ¹*Hospital Universitari Arnau de Vilanova, Lleida, Spain;* ²*Universitat de Lleida, Spain;* ³*Hospital de Vigo, Spain*
- A-1097** PATIENT-REPORTED OUTCOMES AFTER EPINEUROTOMY AND HYPOTHENAR FAT PAD FLAP FOR SEVERE CARPAL TUNNEL SYNDROME Jorge Boretto, Javier Bennice, Ezequiel Zaidenberg, Gerardo Gallucci, Pablo De Carli | *Hospital Italiano de Buenos Aires, Argentina*

RHEUMATOID ARTHRITIS

- A-0793** ANALYSIS OF THE BONE MORPHOLOGY OF THE DISTAL RADIUS IN RHEUMATOID PATIENTS WITH RUPTURED EXTENSOR TENDONS Daisuke Kawamura, Yuichiro Matsui, Norimasa Iwasaki | *Department of Orthopaedic Surgery, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Sapporo, Japan*

SCAPHOID RECONSTRUCTION

- A-0322** MEASUREMENTS ON SAGITTAL CT SCANS OF THE SCAPHOID BONE. WHAT ARE THE NORMAL VALUES? Robert Gvozdenovic, Caecilie West Guldbrandsen, Dimitar Radev | *Hand Surgery Unit, Department of Orthopaedics, Gentofte/Herlev Hospital, Hellerup- Copenhagen, Denmark*
- A-0387** CLINICAL RELEVANCE OF SCREW POSITION IN DISPLACED SCAPHOID WAIST FRACTURES Rafaella Reginato, José Luis Cifras, Pedro Astorga | *Hospital Clínico Mutual de Seguridad, Santiago, Chile*
- A-0641** PAIN AND PHYSICAL FUNCTIONING IMPROVE AFTER SCAPHOID NONUNION SURGERY Abigael Cohen¹, Max Reijman¹, Lisa Hoogendam^{1,2}, Harm P Slijper², Ruud W Selles¹, Joost W Colaris¹ | ¹*Erasmus MC, Rotterdam, the Netherlands;* ²*Xpert Clinic, Eindhoven, the Netherlands*

- A-1028** THE ROLE OF SCAPHOLUNATE PINNING IN THE MANAGEMENT OF VERY SMALL PROXIMAL POLE SCAPHOID NONUNIONS Martin Czinzer^{1,2}, Radek Kebrle^{2,3} | ¹*Regional Hospital Liberec, Czech Republic*; ²*Dr. Pírek's Clinic, Czech Republic*; ³*Vysoké Nad Jizerou, Czech Republic*
- A-1031** REVIEW OF ADOLESCENT SCAPHOID NON-UNION TREATED OPERATIVELY Michelle Spiteri, Ian McNab, Christopher Little | *Nuffield Orthopaedic Centre, Oxford, United Kingdom*
- A-1202** INTRODUCING WRIST ARTHROSCOPY AS A STANDARD SURGICAL APPROACH FOR SCAPHOID RECONSTRUCTION Iulian-Daniel Vilcioiu¹, Ioan Cristescu², Dragos Zamfirescu³, Marius Niculescu¹ | ¹*Colentina Clinical Hospital, Bucharest, Romania*; ²*Clinical Emergency Hospital, Bucharest, Romania*; ³*Zetta Clinic, Bucharest, Romania*

SMALL JOINTS ARTHROSCOPY

- A-0119** ARTHROSCOPIC CM ARTHROPLASTY WITH SUTURE-BUTTON SUSPENSIONPLASTY -MIDDLE TERM FOLLOW-UP- Keiji Fujio, Kazuaki Tsuyuguchi | *Kansai Electric Power Hospital, Osaka, Japan*
- A-0290** RESULTS OF ARTHROSCOPIC HEMITRAPEZIECTOMY WITH SUTURE BUTTON SUSPENSIONPLASTY FOR THUMB CARPOMETACARPAL ARTHRITIS Ryosuke Ikeguchi, Souichi Ohta, Takashi Noguchi, Hisataka Takeuchi, Sadaki Mitsuzawa, Maki Ando, Shuichi Matsuda | *Kyoto University, Kyoto, Japan*

SOFT TISSUE RECONSTRUCTION

- A-0003** A CASE OF SEVERE NECROTIZING FASCIITIS CAUSED BY PHOTOBACTERIUM DAMSELAE WITH GOOD OUTCOME AFTER SERIAL SURGICAL DEBRIDEMENT AND RECONSTRUCTION WITH ACELLULAR DERMAL MATRIX AND SKIN GRAFT Diogo Andrade Guimaraes, Luis Ribeiro, Luis Vieira, Ruben Coelho, Maria Manuel Mendes, Pedro Martins | *Hospital São José CHULC, Lisboa, Portugal*
- A-0062** FUNCTIONAL RECONSTRUCTION AFTER WIDE LOCAL EXCISION OF MYXOINFLAMMATORY FIBROBLASTIC SARCOMA IN THE CARPAL TUNNEL, A CASE REPORT Olivia Sharp¹, Devvrat Katechia¹, Collette Thomson^{1,2}, Sam Norton¹, Nick Sheppard¹ | ¹*Norfolk and Norwich University Hospital, Norwich, UK*; ²*Great Ormond Street Hospital, London, UK*
- A-0181** DO SURGICAL STRATEGIES AND THE USE OF RECONSTRUCTIONS AFTER RESECTION OF MPNST DIFFER BETWEEN SURGICAL SUBSPECIALTIES? AN INTERNATIONAL SURVEY Enrico Martin¹, Willem-Bart M Slooff², Winan J van Houdt³, Thijs van Dalen^{4,5}, Cornelis Verhoef⁶, J Henk Coert¹ | ¹*Department of Plastic and Reconstructive Surgery, University Medical Center Utrecht, The Netherlands*; ²*Department of Neurosurgery, University Medical Center Utrecht, The Netherlands*; ³*Department of Surgical Oncology, Netherlands Cancer Institute, Amsterdam, The Netherlands*; ⁴*Department of Surgical Oncology, University Medical Center Utrecht, The Netherlands*; ⁵*Department of Surgery, Diaconessenhuis Utrecht, The Netherlands*; ⁶*Department of Surgical Oncology, Erasmus Medical Center Cancer Institute, Rotterdam, The Netherlands*
- A-0328** MID-TERM OUTCOME OF THE EXTENSOR RETINACULUM FLAP PROCEDURE FOR EXTENSOR CARPI ULNARIS TENDON INSTABILITY Peter Kaiser¹, Luzian Haug^{1,2}, Markus Gabl¹, Ansgar Rudisch¹, Andrea Klausner³, Rohit Arora¹ | ¹*Departement for trauma surgery, Medical University Innsbruck, Innsbruck, Austria*; ²*Departement for Plastic, Reconstructive and Hand Surgery, Inselspital, Bern University Hospital, Bern, Switzerland*; ³*Departement of Radiology, Medical University Innsbruck, Innsbruck, Austria*
- A-0579** OPEN ZONE 3 EXTENSOR TENDON INJURIES MANAGED WITH IMMEDIATE WOUND EXCISION, TENDON GRAFT AND FLAPS Jeff Ecker^{1,2}, Courtney Andrijich¹ | ¹*Hand and Upper Limb Centre, Perth, Western Australia*; ²*Curtin University, Perth, Western Australia*

- A-0875** CLASSIFICATION AND INDIVIDUALIZED RECONSTRUCTION FOR SOFT TISSUE DEFECT IN DISTAL PHALANX OF THE THUMB Yongjun Rui, Jingyi Mi, Gang Zhao | *Wuxi Ninth People's Hospital, Wuxi, China*
- A-0877** APPLICATION OF DUAL-PADDLES ANTEROLATERAL THIGH FLAP RECONSTRUCTING SOFT TISSUE DEFECTS OF THE MANGLED UPPER EXTREMITY Yongjun Rui, Jingyi Mi, Yongqiang Kang | *Wuxi Ninth People's Hospital, Wuxi, China*
- A-0912** NON-MICROSURGICAL RECONSTRUCTION OF THE THUMB – TECHNICAL STRATEGIES Mihaela Pertea^{1,2}, Diana Al Khazaleh², P Ciobanu^{1,2}, R Tudor⁴, Oxana Madalina Grosu^{1,2} | ¹"Grigore T. Popa" University of Medicine and Pharmacy, Iasi, Romania; ²Clinic of Plastic Surgery and Reconstructive Microsurgery, 'Sf. Spiridon' Emergency County Hospital, Iasi, Romania; ³Department of Orthopaedics and Traumatologie, Emergency County Hospital, Vaslui, Romania

TENDON RESEARCH

- A-0158** MODIFICATION OF MGH REPAIR USING LOOPED SUTURES FOR FLEXOR TENDON LACERATION – BIOMECHANICAL STUDY FOR A NOVEL 4-STRAND CORE REPAIR TECHNIQUE Wang Qiao, Wong Yoke Rung, Duncan Angus McGrouther | *Singapore General Hospital, Singapore*
- A-0278** MORPHOLOGIC STUDY OF LONG EXTENSOR TENDON OF TOE AS TENDON GRAFT IN RECONSTRUCTIVE SURGERY Chaiyos Vinitpairot¹, Pobe Luangjarmekorn¹, Pravitt Kitidumrongsook¹, Thanasil Huanmanop² | ¹Department of Orthopedics, Faculty of Medicine, Chulalongkorn University, King Chulalongkorn Memorial Hospital, Bangkok, Thailand; ²Department of Anatomy, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand
- A-0906** EXTRA-ARTICULAR EXTRA-TENDINOUS PALMAR TENODESIS FOR THE CORRECTION OF SWAN NECK DEFORMITY My-Van Nguyen¹, Florent Métairie¹, Marc Leroy², Etienne Gaisne², Philippe Bellemère² | ¹Centre Hospitalier Universitaire de Nantes, Nantes, France; ²Institut de la main Nantes Atlantique, Saint-Herblain, France

TETRAPLEGIA AND SPASTICITY

- A-0772** STUDY ON CORRELATION BETWEEN MOTOR FUNCTION RECOVERY AND COGNITIVE FUNCTION CHANGES IN PATIENTS WITH CENTRAL HEMIPLEGIC AFTER CONTRALATERAL SEVENTH CERVICAL NERVE TRANSFER Tie Li¹, Yanqun Qiu², Zhaori Bi¹, Wenjun Qi¹, Juntao Feng¹, Yundong Shen¹, Wendong Xu¹, Yudong Gu¹ | ¹Huashan Hospital Fudan University, Shanghai, China; ²Jing'an District Central Hospital, Shanghai, China
- A-0773** CONTRALATERAL C7 TO C7 CROSS NERVE TRANSFER FOR TREATING SPASTIC ARM Wendong Xu, Yudong Gu | *Department of Hand Surgery, Huashan Hospital, Fudan University, Shanghai, China*

THE ISCHEMIC HAND

- A-1228** LONG TERM PATIENT OUTCOMES FOLLOWING BOTULINUM TOXIN A INJECTION AND DOSAGE REVIEW IN RAYNAUD'S PHENOMENON Mahalakshmi Nagarajan, Paul McArthur | *St Helens and Knowsley NHS Trust, Liverpool, UK*

A-0126 IN VIVO STUDY FOR THE EFFECTS OF CNTS YARNS ON NEURITE OUTGROWTH : PERIPHERAL NERVE DEFECT MODEL Akira Kodama¹, Masakazu Ishikawa¹, Marcio D Lima², Nobuo Adachi¹ | ¹*Dept. of Orthopaedic Surgery, Biomedical and Health Sciences, Hiroshima University;* ²*Nano-Science & Technology Center (NSTC), LINTEC OF AMERICA, INC*

ULNA IMPACTION SYNDROME AND OTHER ULNAR SIDE WRIST PAIN

A-0022 RADIAL DISTRACTION PLATING FOR DISTAL RADIUS FRACTURE IN ULNAR POSITIVE WRISTS Bong Mo Koo, Ji Hun Park, In Cheol Choi, Jong Woong Park, Jong Woo Kang | *Korea University Hospital, Seoul, Korea*

A-0055 STYLOIDECTOMY AND TFCC REATTACHMENT FOR SYMPTOMATIC LONGSTANDING HYPERTROFIC NON-UNION OF THE ULNAR STYLOID BASE FRACTURE Chul Ki Goorens¹, Lyne Anthonissen^{1,2}, Jean Goubau¹ | ¹*Regional Hospital Tienen, Belgium;* ²*University Hospital UZ Brussel, VUB, Brussels*

A-0170 THE ROLE OF PLATE LOCATION AND AGE ON THE PREVALENCE OF HARDWARE REMOVAL AFTER ULNAR SHORTENING OSTEOTOMY: A SYSTEMATIC REVIEW AND META-ANALYSIS Joris Sebastiaan Teunissen^{1,2}, Zeynep Tuna³, Ruud W Selles³, Steven ER Hovius¹, Stefan Hummelink¹, Brigitte van der Heijden¹ | ¹*Radboud UMC, Nijmegen, The Netherlands;* ²*Erasmus MC, Rotterdam, The Netherlands;* ³*Gazi University, Ankara, Turkey*

A-0307 TFCC FOVEAL RE-ATTACHMENT BY MODIFIED ULNAR TUNNEL TECHNIQUE - SIGNIFICANT CLINICAL IMPROVEMENT AT ONE-YEAR FOLLOW-UP Robert Gvozdenovic, Sabine Hessler Simonsen, Soeren Ohr-Nissen | *Hand Surgery Unit, Department of Orthopaedics, Gentofte/Herlev Hospital, Hellerup, Copenhagen, Denmark*

A-0335 OUTCOME OF OPEN TFCC REINSERTION Reinier Feitz¹, Mark JW van der Oest^{1,2}, Brigitte van der Heijden³, Steven ER Hovius^{1,3}, Ruud W Selles² | ¹*Xpert Clinic, The Netherlands;* ²*Erasmus MC, Rotterdam, The Netherlands;* ³*Radboud MC, Nijmegen, The Netherlands*

A-0668 EVALUATION OF ULNAR VARIANCE FROM SIMPLE RADIOGRAPH: WHAT LEVEL WE SELECT -COMPARED TO COMPUTED TOMOGRAPHY? Jin-Woo Kang, Ji-Won Lee, Yang-Guk Chung, Seung-Han Shin | *Department of Orthopedic Surgery, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Seoul, South Korea*

A-0692 COMPARATIVE STUDY ON THE EFFECT OF ULNAR SHORTENING OSTEOTOMY AT METAPHYSIS OR DIAPHYSIS FOR ULNA IMPINGEMENT SYNDROME Gang Zhao, Yongjun Rui, Jingyi Mi | *Wuxi Ninth People's Hospital, Wuxi, China*

A-0774 3D PRINTING ASSISTED PERCUTANEOUS FIXATION OF SCAPHOID FRACTURE AND UNDISPLACED NONUNION Wendong Xu, Huawei Yin, Yundong Shen, Yudong Gu | *Department of Hand Surgery, Huashan Hospital, Fudan University, Shanghai, China*

A-0995 EVALUATION OF RADIOLOGICAL INSTABILITY SIGNS IN THE DISTAL RADIOULNAR JOINT IN CHILDREN WITH ARTHROSCOPICALLY-VERIFIED TFCC TEARS Florian Schachinger¹, Sascha Wiener², Marcos F Carvalho³, Michael Weber⁴, Rudolf Ganger¹, Sebastian Farr¹ | ¹*Orthopedic Hospital Speising, Department of Pediatric Orthopaedics and Adult Foot and Ankle Surgery, Vienna, Austria;* ²*Herz-Jesu Hospital, II Orthopedic Department, Vienna, Austria;* ³*Pediatric Hospital of Coimbra - CHUC, EPE, Department of Pediatric Orthopaedics, Coimbra, Portugal;* ⁴*Departement of Biomedical Imaging and Image-guided Therapy, Medical University Vienna, Austria*

A-1063 TIMELINE TO PHYSEAL CLOSURE AFTER EPIPHYSIODESIS SURGERY ABOUT THE WRIST Danielle A Hogarth, Motomi Enomoto-Iwamoto, Masahiro Iwamoto, Joshua M Abzug | *Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, Maryland, United States*

A-1141 PATIENT-REPORTED PAIN AND FUNCTION OUTCOMES AFTER ULNA SHORTENING OSTEOTOMY AS A TREATMENT FOR ULNAR-SIDED WRIST PAIN Joris Sebastiaan Teunissen¹, S Al Shaer², O Zophel^{2,3}, Stefan Hummelink¹, Ruud W Selles⁴, Brigitte van der Heijden^{1,5}, The Hand-Wrist Study Group | ¹*Radboudumc, Nijmegen, The Netherlands*; ²*Ziekenhuisgroep Twente, Almelo, The Netherlands*; ³*Hand and Wrist Center, Xpert clinic, The Netherlands*; ⁴*Erasmus MC, Rotterdam, The Netherlands*; ⁵*Jeroen Bosch Ziekenhuis, s-Hertogenbosch, The Netherlands*

WRIST ARTHROSCOPY

A-0013 ARTHROSCOPIC BONE GRAFT FOR INTRAOSSEOUS LUNATE BONE GANGLION Lorenzo Merlini^{1,2}, Christophe Mathoulin¹ | ¹*International Wrist Center, Clinique Bizet, Paris, France*; ²*Orthopedic and Traumatology Upper Limb Surgery, Hôpital Avicenne, Bobigny – Université Paris 13, France*

A-0118 ARTHROSCOPIC INSIDE-OUT SUTURE TECHNIQUE WITH ISOMETRIC SUTURE METHOD FOR TFCC FOVEAL REPAIR Keiji Fujio | *Kansai Electric Power Hospital, Osaka, Japan*

A-0177 FUNCTIONAL OUTCOME OF EARLY AND LATE ARTHROSCOPIC ONE-TUNNEL TRANSOSSEOUS REPAIR OF TRIANGULAR FIBROCARILAGE COMPLEX (TFCC) FOVEAL TEARS Ji Hun Park, Jung Wook Lim, Young Woo Kwon, Jong Woo Kang, In Cheol Choi, Jong Woong Park | *Korea University Medicine*

A-0178 THE CLINICAL RESULT OF REVISIONAL ARTHROSCOPIC ONE-TUNNEL TRANSOSSEOUS TRIANGULAR FIBROCARILAGE COMPLEX FOVEAL REPAIR Young Woo Kwon, In Cheol Choi, Ji Hun Park, Joon Suk Lee, Jong Woong Park | *Korea University Medicine*

A-0446 ARTHROSCOPY HELPS RESOLVING LONGSTANDING WRIST PAIN IN ADOLESCENTS AND CHILDREN Raphael Fischer¹, Stefan G Holland-Cunz², Dirk J Schaefer¹, Alexandre Kämpfen^{1,2} | ¹*University Hospital Basel, Plastic Reconstructive, Aesthetic and Handsurgery, Basel, Switzerland*; ²*University Childrens Hospital Basel, Paediatric Surgery Basel, Switzerland*

A-0652 HISTOLOGICAL ANALYSIS OF THE TFCC: AN EXAMINATION ON THE MENISCUS HOMOLOGUE, ULNAR COLLATERAL LIGAMENT AND LIGAMENT SUBCRUENTUM Toshiyasu Nakamura¹, David L Nelson² | ¹*International University of Health and Welfare, Tokyo, Japan*; ²*Private Practice, San Francisco, USA*

A-0665 ARTHROSCOPIC TREATMENT OF AVULSED DORSAL INTERCARPAL LIGAMENT FROM THE LUNATE Toshiyasu Nakamura¹, Koji Abe² | ¹*International University of Health and Welfare, Tokyo, Japan*; ²*Abe Clinic, Tokyo, Japan*

A-0775 ARTHROSCOPY ASSISTED PARTIAL WRIST FUSION: CLINICAL CASE SERIES Huawei Howard Yin, Yundong Shen, Yudong Gu, Wendong Xu | *Department of Hand Surgery, Huashan Hospital, Fudan University, Shanghai, China*

A-0776 PROTECTION THE DORSAL BRANCH OF THE ULNAR NERVE DURING ARTHROSCOPIC REPAIR OF TRIANGULAR FIBROCARILAGE COMPLEX INJURIES Huawei Howard Yin, Yundong Shen, Yudong Gu, Wendong Xu | *Department of Hand Surgery, Huashan Hospital, Fudan University, Shanghai, China*

A-0837 ARTHROSCOPIC TREATMENT OF INTRAOSSEOUS GANGLION OF THE WRIST Yundong Shen, Huawei Yin, Wendong Xu | ¹*Department of Hand Surgery, Huashan Hospital, Shanghai Medical College, Fudan University, Shanghai, China*; ²*Department of Hand and Upper Extremity Surgery, Jing'an District Central Hospital, Shanghai, China*

A-0977 PRIMARY ARTHROSCOPIC DEBRIDEMENT OF THE DORSAL CAPSULE IN INTRAARTICULAR DISTAL RADIUS FRACTURES: DOES IT PROVIDE SUPERIOR OUTCOMES? Gernot Schmidle, Stefan Benedikt, Rohit Arora, Markus Gabl | *Medical University Innsbruck, Austria*

A-1037 DISTAL RADIUS ARTHROSCOPIC OSTEOTOMY TO RESTORE MALUNION DEFORMITY Belén García-Medrano¹, Fernando Roubaud², Fernando Polo Simón¹, Pedro J Delgado Serrano¹ | ¹*HM Montepíncipe, Madrid, Spain*; ²*Luis Valentin Ferrada Hospital, Maipú, Santiago, Chile*

- A-0319** IN VIVO 3-DIMENSIONAL THUMB KINEMATICS AFTER THUMB CARPOMETACARPAL JOINT ARTHROPLASTY USING A BALL-AND-SOCKET PROSTHESIS Atsuro Murai, Kaoru Tada, Mika Nakada, Masashi Matsuta, Hiroyuki Tsuchiya | *Department of Orthopaedic Surgery, Graduate School of Medical Science Kanazawa University, Kanazawa, Japan*
- A-0329** IS THE DORSAL FIBER-SPLITTING APPROACH TO THE WRIST SAFE? A KINEMATIC ANALYSIS AND INTRODUCTION OF THE WINDOW APPROACH Francois Loisel¹, Kyle Morse², Jinseong Kim³, Kathleen Meyers², Lauren Wessel², Scott W Wolfe² | *Investigation performed at the Department of Orthopedic Surgery, Hospital for Special Surgery, NY; ¹Besançon Teaching Hospital, Besançon, France; ²The Hospital for Special Surgery, New York, NY; ³Icahn School of Medicine at Mt. Sinai, New York, NY*
- A-0351** LUNATE MORPHOLOGY IS NOT ASSOCIATED WITH CARPAL COLLAPSE IN PATIENTS WITH SCAPHOLUNATE LIGAMENT LESIONS Sofie Goeminne¹, Laura Lemmens², Luc De Smet², Ilse Degreef² | *¹AZ Herentals, Belgium; ²University hospitals Leuven, Belgium*
- A-0377** LENGTH CHANGES OF SCAPHOLUNATE INTEROSSEOUS LIGAMENT WITH RESISTED ULNAR DEVIATION IN FULL SUPINATION USING 4-D CT Jun Tan, Jing Chen, Weifeng Wang, Yucheng Sun, Haoyu Bian | *Affiliated Hospital of Nantong University, Nantong, China*
- A-0607** ANATOMICAL AND RADIOLOGICAL DESCRIPTION OF LIGAMENT INSERTIONS ON THE RADIAL ASPECT OF THE SCAPHOID Sylvano Mania^{1,3}, Sana Boudabbous², Bénédicte MA Delattre², Christophe Lamy², Jean-Yves Beaulieu^{3,4} | *¹Department of Orthopaedic surgery and Traumatology, Nidwald Cantonal Hospital, Stans, Switzerland; ²Division of Radiology, Diagnosis Department, Geneva University Hospital, Geneva, Switzerland; ³Unit of Anatomy, Faculty of Medicine of Geneva, Geneva, Switzerland; ⁴Unit of Hand and Peripheral Nerve Surgery, Geneva University Hospital, Geneva, Switzerland*
- A-0693** USING SSM TO STUDY THE GEOMETRY DEVIATION OF HEALTHY TRAPEZIUMS Tianyun Yuan¹, Gerald A Kraan², Nina MC Mathijssen², I Blom², Yu Song¹, Richard HM Goossens¹ | *¹Delft University of Technology, the Netherlands; ²Reinier de Graaf Hospital, the Netherlands*
- A-0708** INFLUENCE OF POST TRAUMATIC DEFORMITIES OF THE DISTAL RADIUS ON MUSCLE CONTROL OF THE CARPUS. A BIOMECHANICAL STUDY IN CADAVER Núria Fernández Noguera¹, Marc Garcia-Elias², Mireia Esplugas², Manuel Llusá-Pérez², Alex Lluch-Bergadà^{2,4}, Inma Puig de la Bellacasa⁵, Guillem Salvà-Coll⁶⁽⁷⁾, Ana Carreno Delgado²⁽⁸⁾ | *¹Hospital Josep Trueta, Girona, Spain; ²Institut Kaplan, Barcelona, Spain; ³Departamento de Anatomía de la Universitat de Barcelona, Spain; ⁴Hospital Vall d'Hebrón, Barcelona, Spain; ⁵Hospital Universitari Mutua Terrassa, Barcelona, Spain; ⁶Hospital Son Espases, Mallorca, Spain; ⁷IBACMA, Mallorca, Spain; ⁸Hospital Clínic de Barcelona, Spain*
- A-0908** VARIANT ANATOMY OF THE TRIQUETRO-HAMATE JOINT Igor O Golubev¹, Bella M Gazimieva², Maksim E Sautin³ | *¹N.N. Priorov Central Institute of Traumatology and Orthopedics, Department of Microsurgery and Hand Trauma, Moscow, Russia; ²Peoples' Friendship University of Russia, Medical Institute, Department of Traumatology and Orthopaedics, Moscow, Russia; ³European Clinic of Sports Traumatology and Orthopaedics, Moscow, Russia*
- A-0940** MOTION ANALYSIS OF SCAPHOID AND LUNATE IN SCAPHOLUNATE INSTABILITY USING 4D CT Melanie Amarasooriya^{1,2}, Gregory I Bain³ | *¹Consultant Orthopaedic Surgeon, Base Hospital Diyatalawa, Sri Lanka; ²Visiting Lecturer, University of Colombo, Sri Lanka; ³Professor of Upper Limb and Research, Department of Orthopaedic and Trauma Surgery, Flinders University and Flinders Medical Centre, Adelaide, South Australia, Australia*
- A-0958** SCAPHOID LONG AXIS COMPUTATION AND THE EVALUATION OF SCAPHOID FRACTURE DISPLACEMENT Ophir Aruse¹, Igor Immerman², Omar Badir¹, Sreen Yonatan Schwartz¹, Shai Luria¹ | *¹Hadassah-Hebrew University Medical Center, Jerusalem, Israel; ²University of California San Francisco, CA, USA*

E-POSTERS

BONE RECONSTRUCTION

- A-0028** HEMIARTHROPLASTY IN COMMINUTED DISTAL RADIUS FRACTURES Cindy Bouvet, Florence Dauzère, Jean-Yves Beaulieu | *Geneva University Hospital, Geneva, Switzerland*
- A-0301** BONE RECONSTRUCTION OF II METHACARPAL DUE TO A CHONDRAL TUMOR Osman Hernán José Benavides Gonzales, José Manuel Rivero Colmenares, Adrian Hermenegildo Suarez Cabanas, Iván Miguel Beirutti Ruiz | *Hospital Universitario de Gran Canaria Dr. Negrín, Las Palmas, Spain*

BRACHIAL PLEXUS

- A-0371** MODIFIED L'ÉPISCOPO TECHNIQUE FOR BRACHIAL PLEXUS Palsy Maria Hortencia Coria Doncel, Luis Fernando Del Rio Escobar, Gustavo Javier Nizzo Miguens, Agustin Torres | *Hospital de Clínicas José de San Martín, Buenos Aires, Argentina*
- A-0555** HIGH ULNO-MEDIAN PALSYP REPAIRED WITH MULTIPLE TENDON TRANSFERS IN A WALANT SINGLE TIME SURGERY Javier Gonzalez López, Juan Antonio Calle García, Ester Mora Solé, Joan Carles Bonilla López, Corona Poy Gual | *Hospital Germans Trias i Pujol, Badalona, Spain*
- A-0686** TREATMENT OF NEUROGENIC TUMORS AROUND THE BRACHIAL PLEXUS Takashi Noguchi¹, Ryosuke Ikeguchi¹, Souichi Ohta¹, Hisataka Takeuchi¹, Sadaki Mitsuzawa¹, Maki Ando¹, Ryosuke Kakinoki², Shuichi Matsuda¹ | ¹*Kyoto University Hospital, Kyoto, Japan*; ²*Kindai University Hospital, Osaka, Japan*

COMPLEX TRAUMA

- A-0234** DISTAL RADIUS REFRACTURED WITH A BENT VOLAR LOCKING PLATE. A CASE REPORT OF A RARE COMPLICATION Marcos Sanchez-Jimenez, Tomas Pujol Oliver, Isabel Maria Ruiz Hernandez, Tania Roldan Bataneros, Marta Oldrati, Ana Maria Far Riera | *Hospital Universitario Son Llatzer, Spain*
- A-0247** A CASE SERIES OF TWO COMPLEX PAEDIATRIC DISTAL RADIUS FRACTURES Fadi Hindi¹, Luis Martul Pestana^{1,2} | ¹*Queen Alexandra Hospital, Portsmouth, UK*; ²*Pulvertaft Hand Centre, Royal Derby Hospital, Derby, UK*
- A-0334** THE ROLE OF "SPARE PARTS" SURGERY IN COMPLEX HAND TRAUMA Mohamed Abdelshaheed | *Mansoura University Hospitals, Egypt*
- A-0443** A TOE-THUMB TRANSPLANTATION IS CLEARLY OF ADDED VALUE FOR DAILY FUNCTIONING – DESPITE THE LONG RECOVERY PERIOD Guusje Besteman, Tanja Bakker | *Dijklander Ziekenhuis, Hoorn, The Netherlands*
- A-0704** PITFALLS IN FIXATION OF DISTAL RADIUS VOLAR RIM FRACTURES: OUR CLINICAL EXPERIENCES AND TECHNIQUES Chung-Wei Lin, Yung-Cheng Chiu, Hsien-Te Chen | *Department of Orthopedics, China Medical University Hospital, Taichung, Taiwan*
- A-0734** INTRAARTICULAR RECONSTRUCTION IN DISTAL RADIUS FRACTURES. IS POSSIBLE TO REDUCE SURGICAL DORSAL APPROACH? VOLAR "EXTENDED" APPROACH Giancarlo Caruso, Laura Martini, Lorenzo Prezioso, Andrea Vitali | *Palagi Hospital Hand Unit, AUSL Toscana Centro, Firenze, Italy*
- A-0856** WRIST HEMIARTHROPLASTY. A RESCUE TREATMENT DUE TO THE FAILURE OF THE INITIAL TREATMENT IN DISTAL RADIUS FRACTURES IN ELDERLY Daniel Valverde Vilamala, Aleix Sala Pujals, Paula Serrano Chinchilla, Joan Cebamano Celma, Enric Dominguez Font | *Parc de Salut Mar, Barcelona, Spain*
- A-0861** SURGICAL OPTIONS IN THE TREATMENT OF CARPOMETACARPAL FRACTURE-DILOICATIONS OF THE 4TH AND 5TH RAYS Enric Dominguez Font, Aleix Sala Pujals, Jorge Amestoy Ramos, Ignacio Stacey, Daniel Valverde Vilamala | *Parc de Salut Mar, Barcelona, Spain*

- A-0976** EXPERIENCE WITH THE HEMIARTHROPLASTY IN ELDERLY PATIENTS WITH COMPLEX DISTAL RADIUS FRACTURES - A CASE SERIES Stefan Benedikt, Peter Kaiser, Markus Gabl, Kerstin Stock, Gernot Schmidle, Rohit Arora | *University Hospital Innsbruck, Department of Trauma Surgery, Innsbruck, Austria*
- A-1049** SALVAGE RECONSTRUCTION OF A MANGLED FOREARM. A CASE REPORT Bisera Nikolovska¹, Sofija Pejкова¹, Gordana Georgieva¹, Tomislav Jovanoski¹, Ivana Gjorgevska, Clemens Gstöttner², Oskar C Aszmann² | *¹University Clinic for Plastic and Reconstructive Surgery, Skopje, North Macedonia; ²Medical University of Vienna, Clinical Division of Plastic and Reconstructive Surgery, Department of Surgery, Vienna, Austria*
- A-1079** HOW TO EASE THE FIXATION OF CARPAL BONES? TWENTY-FOUR LESIONS TREATED BY 1,5 MM HEADLESS COMPRESSION SCREWS. Andrea Poggetti¹, David Espen², Prospero Bigazzi¹, Giulio Lauri¹ | *¹Hand and Reconstructive Microsurgery Unit, AOUC, Florence, Italy; ²Hand Team Unit, Marienkllinik, Bolzen, Italy*
- A-1084** SPAGHETTI WRIST: GOOD PROGNOSIS FROM 16 TO 80 Daniela Pereira, Carlos Ferreira, Vítor Rodrigues, Carlos Pina | *Centro Hospitalar de Leiria, Leiria, Portugal*

CONGENITAL MALFORMATIONS

- A-0052** SYNOSTOSIS OF THE PROXIMAL PHALANGES AS TREATMENT OF THE COMPLETE SYNOSTOSIS OF THE 4-5 METACARPALS Ana Maria Far Riera, Carlos Perez-Urbarri, Jose M Rapariz-Gonzalez, Matias Esteras-Serrano, Marta Oldrati, Marcos Sanchez-Jimenez | *Hospital Son Llàtzer, Palma de Mallorca, Spain*
- A-0615** C-SHAPED FLAP HARVESTED FROM MIDDLE PHALANX OF A TRIPHALANGEAL THUMB TO RECONSTRUCT FIRST WEB SPACE Qi-Feng Ou, Fang Yu, Tang Juyi | *Department of Hand and Microsurgery, Xiangya Hospital, Central South University, China*
- A-0789** CARPAL TUNNEL SYNDROME CAUSED BY BIFID MEDIAN NERVE AND PERSISTENT MEDIAN ARTERY IN AN ADOLESCENT Sun Young Joo | *Incheon St. Mary's Hospital, the Catholic University of Korea, South Korea*
- A-0858** THE THUMB HYPOPLASIA SCORE (WIMMECS) – INTRODUCTION OF AN ASSESSMENT TOOL FOR CONGENITAL HYPOPLASTIC THUMBS Konrad Mende^{1,2}, Michael Alan Tonkin^{2,3,4} | *¹Department of Plastic, Reconstructive, Aesthetic and Hand Surgery, University Hospital of Basel, Basel, Switzerland; ²Department of Hand and Peripheral Nerve Surgery, Royal North Shore Hospital, Sydney, Australia; ³The Children's Hospital at Westmead, Sydney, Australia; ⁴Medical School, University of Sydney, Sydney, Australia*

CORRECTIVE OSTEOTOMIES OF THE HAND AND FOREARM

- A-0007** CLINICAL, FUNCTIONAL AND RADIOLOGICAL OUTCOMES OF THE USE OF FIXED ANGLE VOLAR LOCKING PLATES IN CORRECTIVE DISTAL RADIUS OSTEOTOMY FOR FRACTURE MALUNION Valerio Pace¹, Chang Park², Rita Rosati³, Giacomo Placella⁴, Dimpu Bhagwati³, Auro Caraffa¹ | *¹University of Perugia, Italy; ²North West Thames, United Kingdom; ³Citta di Castello Hospital, Italy; ⁴San Raffaele Hospital, Italy; ⁵Luton and Dunstable University Hospital, United Kingdom*
- A-0389** PHYSEAL ARREST OF THE DISTAL RADIUS BY MENINGOCOCCAL SEPSIS. TREATMENT BY SEQUENTIAL ELONGATION OF THE RADIUS. ABOUT A CASE AND LITERATURE REVIEW Alvaro Alvarez Garma, Luis Enrique Reboso Morales, Yolanda Martín Hidalgo, Rayco García Gutierrez, Aida Orce Rodriguez, Caleb Baz Figueroa | *Hospital Universitario Nuestra Señora de Candelaria, Santa Cruz de Tenerife, Tenerife, Spain*
- A-0518** CUBITUS VARUS CORRECTIVE OSTEOTOMY AND GRAFT FASHIONING USING COMPUTER SIMULATED BONE RECONSTRUCTION AND CUSTOM-MADE CUTTING GUIDES, A CASE REPORT STUDY Amir R Kachooei¹, Babak Shojaie², Ashkan Sedigh², Mohammad Zohoori³, Mohammad Ebrahimzadeh⁴ | *¹Orthopedic Research*

Center, Mashhad University of Medical Sciences, Mashhad, Iran;²Department of Orthopedic and Hand Surgery, St Marien Stift Hospital, Friesoythe, Germany; ³Orthopedic Research Center, Mashhad University of Medical Sciences, Mashhad, Iran; ⁴Orthopedic Research Center, Mashhad University of Medical Sciences, Mashhad, Iran; ⁵Orthopedic Research Center, Mashhad University of Medical Sciences, Mashhad, Iran

- A-0564** FOREARM CORRECTIVE OSTEOTOMY WITH 3-D PLANNING IN ADULT, 37 YEARS AFTER THE INITIAL INJURY: REVIEW OF THE TECHNIQUE AND RESULTS Maria-José Pérez-Ubeda, Dolores Gimeno Garcia-Andrade, Fernando del Canto Alvarez, Camila Arvinus, Alberto Rodriguez González, Fernando Marco Martinez | *Hospital Clínico San Carlos, Madrid, Spain*
- A-0714** CORRECTIVE OSTEOTOMIES FOR MALUNITED FOREARM FRACTURES HAPPENED IN CHILDHOOD Fernando del Canto Alvarez¹, Manuel Rubén Sánchez Crespo¹, Higinio Ayala Gutierrez¹, María Ángeles de la Red-Gallego¹, José Couceiro Otero¹, Juan Rodríguez Fernández¹, José Pérez Úbeda² | ¹University Hospital "Marqués de Valdecilla", Santander, Spain; ²Clinical Hospital, Madrid, Spain
- A-1204** VOLAR APPROACH FOR DISTAL RADIUS MALUNION- PERSONAL EXPERIENCE Iulian-Daniel Vilcioiu¹, Ioan Cristescu², Dragos Zamfirescu³, Marius Niculescu¹ | ¹Colentina Clinical Hospital, Bucharest, Romania; ²Clinical Emergency Hospital, Bucharest, Romania; ³Zetta Clinic, Bucharest, Romania

DISTAL RADIO-ULNAR JOINT

- A-0241** THE RELIABILITY OF KIRSCHNER WIRE FIXATION IN ULNAR-SHORTENING OSTEOTOMY Aidong Deng¹, Jialing Gao^{1,2}, Jianhui Gu^{1,2}, Xiaokun Gu¹ | ¹Department of Hand Surgery, Affiliated Hospital of Nantong University, Nantong, Jiangsu, China; ²Nantong University School of Medicine, Nantong, Jiangsu, China
- A-0306** ROLE OF THE PRONATOR QUADRATUS MUSCLE IN DISTAL RADIUS FRACTURES: A PROSPECTIVE RANDOMIZED COMPARATIVE STUDY ABOUT SUTURE VERSUS NON-SUTURE AFTER OSTEOSYNTHESIS Claudia Lamas Gómez, Roger Rojas-Sayol, Javier Arenas-Romera, Manel Fa-Binefa, Sara Wahab-Zuriarrain, Marta Almenara-Fernandez | *Hand Unit and Upper Extremity, Department of Orthopaedic Surgery, Hospital de la Santa Creu i Sant Pau, Universitat Autònoma de Barcelona, Barcelona, Spain*
- A-0467** APTIS DISTAL RADIOULNAR JOINT ARTHROPLASTY Miguel Tovar Bazaga, Samuel Pajares Cabanillas | *Fundación Jiménez Díaz, Madrid*
- A-0646** ARTHROSCOPIC TREATMENT OF STABLE IB TRIANGULAR FIBROCARILAGE LESIONS IN DISTAL RADIUS FRACTURES: PROSPECTIVE COMPARATIVE STUDY: DEBRIDEMENT VS. SUTURE Martin Caloia, Hugo Caloia, Maria Emilia Serur, Emanuel Sergio Ronconi, Andres Garcia Puerta Stevent | *Hospital Universitario Austral, Buenos Aires, Argentina*
- A-0814** SHORT TO MEDIUM-TERM FUNCTIONAL AND PATIENT-REPORTED OUTCOMES OF DISTAL RADIO-ULNAR JOINT ARTHROPLASTY David Warwick, Sherif Fetouh, Barbara Frank | *University Hospital Southampton and University of Southampton, Southampton, United Kingdom*
- A-0843** LOCKED VOLAR DISLOCATION OF THE DISTAL RADIOULNAR JOINT WITH DELAYED PRESENTATION Giuseppe Broccoli^{1,2}, Saskia JM Kamphuis¹, Michael Bauer¹, Florian J Jung¹, Abdul R Jandali¹ | ¹Department of Hand and Plastic Surgery, Cantonal Hospital Winterthur, Switzerland; ²Department of Traumatology, Hand and Orthopedic Surgery, Regional Hospital Nordstadt Hannover, Teaching Hospital of the Medical School Hanover, Germany

DUPUYTREN'S DISEASE

- A-0023** OUR EXPERIENCE WITH NEEDLE APONEUROTOMY FOR DUPUYTREN'S CONTRACTURE: A SIMPLE, SAFE AND EFFECTIVE TREATMENT Arjuna Thakker, Sanjeev Chaand Sharma, Anindya Lahiri | *Department of Plastic Surgery, Sandwell General Hospital, Birmingham, England*
- A-0048** DUPUYTREN'S FASCIECTOMY: SURGICAL PEARLS IN PLANNING AND DISSECTION Dariush Nikkhah, Pennyloise Hever, Oliver Smith | *Royal Free NHS London Foundation Trust*
- A-0075** PROXIMAL INTERPHALANGEAL JOINT FUSION TO CORRECT RECURRENT SEVERE JOINT CONTRACTURES IN DUPUYTREN'S DISEASE Michelle Spiteri, Alexander Bolt, Ian McNab, Henk P Giele | *Nuffield Orthopaedic Centre, Oxford, United Kingdom*
- A-0111** A RARE FINDING IN DUPUYTREN'S DISEASE – HETEROTOPIC OSSIFICATION Sebastian H Hediger, Dirk J Schaefer, Konrad Mende | *Department of Plastic, Reconstructive, Aesthetic and Hand Surgery, University Hospital Basel, Basel, Switzerland*
- A-0116** ULNAR LATERAL DIGITAL FLAP FOR DUPUYTREN'S DISEASE OF THE FIFTH FINGER Canelle Bakota Morrison, Antonia Gkotsi, Wissam El Kazzi, Frédéric Schuind | *Department of Orthopaedics and Traumatology, Cliniques Universitaires de Bruxelles, Hôpital Erasme, Université libre de Bruxelles, Brussels, Belgium*
- A-1183** PERCUTANEOUS NEEDLE FASCIOTOMY IN THE DIGIT COMBINED WITH FASCIECTOMY IN THE PALM FOR DUPUYTREN'S: A NOVEL COMBINATION OF TECHNIQUES Alexandra Frances Hazlerigg, Isabel Teo, Ian McNab | *Nuffield Orthopaedic Centre, Oxford, UK*

EFSHT CONGRESS PROGRAM

- A-0077** EFFECTIVENESS OF ECCENTRIC STRENGTHENING IN THE TREATMENT OF LATERAL ELBOW TENDINOPATHY: A SYSTEMATIC REVIEW WITH META-ANALYSIS Zhiqing Chen^{1,2}, Nancy A Baker² | ¹*Singapore General Hospital, Singapore, Singapore;* ²*Tufts University, Medford, Massachusetts, USA*
- A-0128** HAND REHABILITATION PROGRAMS FOR SECOND TO FIFTH METACARPAL FRACTURES: A SYSTEMATIC LITERATURE REVIEW Monique Keller¹, Roline Barnes², Corlia Brandt¹ | ¹*Department of Physiotherapy, School of Therapeutic Sciences, Faculty of Health Sciences, University of Witwatersrand, South Africa;* ²*Department of Physiotherapy, School of Therapeutic Sciences, Faculty of Health Sciences, University of Free State, South Africa*
- A-0273** CONSTRUCTION OF A LOW PROFILE RADIAL NERVE PALSY ORTHOSIS Deborah A Schwartz | *Orfit Industries America, Leonia, NJ USA*
- A-0406** A COMPARISON OF MATERIALS USED IN CREATING A LONG THUMB SPICA: TRADITIONAL LOW TEMPERATURE THERMOPLASTIC VS 3D PRINTER FILAMENTS Michele Chim¹, Belinda Smith², Mark Hile² | ¹*North Shore Hand Therapy, Australia;* ²*Department of Hand and Peripheral Nerve Surgery, Royal North Shore Hospital, Australia*
- A-0617** CLINIMETRICS IN HAND THERAPY: HAND ASSESSMENT RECOMMENDATIONS FOR THERAPY (HANDART), INCLUDING A EUROPEAN DELPHI STUDY Lucelle AW van de Ven-Stevens¹, Maud JL Graff², Alexander CH Geurts² | ¹*During project: Radboud University Medical Centre, Department of Rehabilitation, Nijmegen, The Netherlands, Now: policy Officer - Dutch Association of Occupational Therapist (Ergotherapie Nederland);* ²*Radboud University Medical Centre, Donders Centre for Neuroscience, Department of Rehabilitation, Nijmegen, The Netherlands*
- A-0619** PROFILE SPECIALIZATION HAND-OCCUPATIONAL THERAPIST Lucelle AW van de Ven-Stevens^{1,2}, Karin Boer², Madelein Vroomen² | ¹*Dutch Association of Occupational Therapists, (Ergotherapie Nederland - EN;* ²*Member of "Advisory board Hand-Occupational Therapy" of the Dutch Association of Occupational Therapists*

- A-0633** HAND THERAPISTS' EXPERIENCES OF CHANGING REHABILITATION REGIME FROM KLEINERT TO EARLY ACTIVE MOTION AFTER FLEXOR TENDON INJURY Madeleine Winberg | *The Rehabilitation Unit at the Department of Hand Surgery, University Hospital in Linköping, Sweden*
- A-0731** POSTTRAUMATIC EXTRINSIC HAND STIFFNESS SECONDARY TO TRACHINUS RADIATUS (STARRY WEEVER FISH) STING: SPLINTING AND REHABILITATION TREATMENT: A CASE STUDY Martina Pollwein | *Centro de Fisioterapia y Terapia De la Mano PhysioCnarias, Santa Cruz De Tenerife, Spain*
- A-0946** INVESTIGATION OF GRASPING PATTERNS IN HEALTHY ADULTS: A PILOT STUDY Merve Sariipek¹, Ali Kitis¹, Mustafa Alper Sariipek² | ¹*Pamukkale University, School of Physical Therapy and Rehabilitation, Denizli, Turkey;* ²*Pamukkale University, Faculty of Engineering, Department of Mechanical Engineering, Denizli, Turkey*
- A-1168** TRIGGER FINGER IN EXTREME SPORT Ted Welman¹, Sarah Mee², Mel Eissens¹, Kieron Young¹, Max Horwitz² | ¹*The Royal London Hospital, Barts Health NHS Foundation Trust, London, UK;* ²*Chelsea and Westminster NHS Foundation Trust, London, UK*
- A-1184** COORDINATED FINGER MOVEMENT PATTERNS IN BALL ROTATION TASK – A KINEMATIC SYNERGY ANALYSIS Hiroshi Kurumadani¹, Naoya Goto², Akio Ueda¹, Shota Date¹, Toru Sunagawa¹ | ¹*Hiroshima University, Graduate School of Biomedical & Health Sciences, Analysis & Control of Upper Extremity Function, Hiroshima, Japan;* ²*Hiroshima University Hospital, Department of Physical Medicine & Rehabilitation, Hiroshima, Japan*

FLEXOR TENDON SURGERY

- A-0146** EARLY ACTIVE MOBILIZATION AFTER PRIMARY REPAIR OF THE FLEXOR POLLICIS LONGUS TENDON Koji Moriya, Takae Yoshizu, Naoto Tsubokawa, Hiroko Narisawa, Yutaka Maki | *Niigata Hand Surgery Foundation, Seiro-machi, Japan*
- A-0210** TREATMENT OF TRIGGER FINGER WITH PROXIMAL INTERPHALANGEAL JOINT POSITIONAL CONTRACTURE Takanori Hatanaka, Jun Nishida, Taro Nagai, Yuichi Ichikawa, Toshiyuki Tateiwa, Takashi Koyama, Kengo Yamamoto | *Department of Orthopedic Surgery, Tokyo Medical University, Tokyo, Japan*
- A-0309** BONY AVULSION FRACTURE OF THE FLEXOR DIGITORUM PROFUNDUS TENDON: A NEW TREATMENT WITH A HOOK PLATE FOR JERSEY FINGERS TYPES 2 AND 3 Claudia Lamas Gómez, Manel Fa-Binefa, Roger Rojas-Sayol, Javier Arenas-Romera, Sara Wahab-Zuriarrain, Marta Almenara-Fernandez | *Hand Unit and Upper Extremity. Department of Orthopaedic Surgery, Hospital de la Santa Creu i Sant Pau, Universitat Autònoma de Barcelona, Barcelona, Spain*
- A-0835** BRACHIALIS MUSCLE TRANSFER FOR RECONSTRUCTING FINGERS AND THUMB FLEXION AFTER BRACHIAL PLEXUS INJURY AND TRAUMATIC FOREARM INJURY Yundong Shen, Xuan Ye, Wendong Xu | ¹*Department of Hand Surgery, Huashan Hospital, Shanghai Medical College, Fudan University, Shanghai, China;* ²*Department of Hand and Upper Extremity Surgery, Jing'an District Central Hospital, Shanghai, China*
- A-0917** ZONE 2 FLEXOR TENDON INJURIES: A COMPARISON BETWEEN 2-STRAND AND 4-STRAND REPAIRS Jia Choong, Rajive Jose | *Queen Elizabeth Hospital Birmingham, UK*
- A-1115** TWO STAGE TENDON REPAIR RESULTS WITH SILICONE ROD AND TENDON TRANSFER Gökce Yildiran, Nicat Majidov, Mustafa Sutcu, Osman Akdag, Zekeriya Tosun | *Selcuk University Medical Faculty Plastic, Reconstructive and Aesthetic Surgery Department, Hand Surgery Division, Konya, Turkey*

INNOVATION

- A-0001** A RANDOMIZED CLINICAL TRIAL OF PILLAR PAIN AFTER SURGERY FOR CARPAL TUNNEL SYNDROME: FLEXOR TENOSYNOVECTOMY VIA TWO MINIMAL INCISIONS VERSUS SINGLE-PORTAL CARPAL TUNNEL RELEASE Akira Hashimoto¹, Motoki Sonohata¹, Toshiyuki Tsuruta², Hiroko Mine², Masaaki Mawatari¹ | ¹Department of Orthopaedic Surgery, Faculty of Medicine, Saga University, Saga, Japan; ²Tsuruta Orthopaedic Clinic, Ushizu, Japan
- A-0347** EXTRACORPOREAL SHOCK WAVE THERAPY FOR AVULSION FRACTURES OF THE SUBLIME TUBERCLE OF THE ULNA IN SPORT ATHLETES. : A REPORT OF THREE CASES Yasumasa Nishiura¹, Kenta Tanaka², Akihiro Kanamori², Takane Nakagawa³, Yuki Hara², Sho Kohyama², Masashi Yamazaki² | ¹Tsuchiura Clinical Education and Training Center, Tsukuba University Hospital, Tsuchiura, Japan; ²Department of Orthopaedic Surgery, Faculty of Medicine, University of Tsukuba, Tsukuba, Japan; ³Kasumigaura Medical Center, Tsuchiura, Japan
- A-0422** CONSIDERATIONS ON THE EFFECTS OF ASTM F2003 ACCELERATED AGING ON UHMWPE WHEN GAMMA IRRADIATED IN AIR Fiona Mangan¹, Martin Hintner², Manuel Ferle², Eimear M O'Hara¹, Brendan Boland¹, Gerry Clarke¹ | ¹Loc Orthopaedics, Galway, Ireland; ²Endolab GmbH, Germany
- A-0459** PARTIAL STABILIZED SCAPHOID PROSTHESIS Patricia Gómez Barbero¹, Daniel Montaner Alonso¹, José García Moreno¹, Pau Rey Vidal², José Luis Rodrigo Pérez¹ | ¹Hospital Universitario Doctor Peset, Valencia, Spain; ²Hospital Lluís Alcanyis, Xàtiva, Spain

LIGAMENT RECONSTRUCTION

- A-0203** REFERENCE VALUES FOR SL ANGLE AND SL GAP IN 1.5 T MRI Pardis Fotovatfard¹, Robin Bülow², Andreas Eisenschenk¹, Carsten Schmidt³, Simon Kim¹ | ¹Unfallchirurgie, Universitätsmedizin Greifswald, Germany; ²Radiologie, Universitätsmedizin Greifswald, Germany; ³Community medicine, Universitätsmedizin Greifswald
- A-0934** IMPORTANCE OF SECONDARY STABILIZERS FOR SCAPHOLUNATE STABILITY ILLUSTRATED BY A CASE OF SCAPHOID LUXATION Flavien Mauler^{1,2}, Philippe Cuénod³ | ¹Geneva University Hospitals, Geneva, Switzerland; ²Kantonsspital Aarau, Aarau, Switzerland; ³CH8 – Centre de Chirurgie et Thérapie de la Main, Geneva, Switzerland
- A-0991** DYNAMIC SCAPHOID INSTABILITY: THE EFFECTIVENESS OF ARTHROSCOPIC DEBRIDEMENT AND DYNAMIC STABILIZATION Houshang Seradge, Kian Steppe, Winfred Parker, Carrie Baer, Ashley McKinzie, Kamran Steppe | Seradge Medical, Oklahoma City, USA

MICROSURGERY

- A-0054** USE OF CANNULATED COMPRESSION SCREWS FOR SKELETAL STABILISATION FOR DIGITAL REVASCULARISATION Dariush Nikkhah¹, Juan Berner², Mark Pickford² | ¹Royal Free Hospital, London, UK; ²Queen Victoria Hospital, East Grinstead, UK
- A-0425** COMBINED TILED FLAPS FROM FOOT WITH BONE GRAFT FOR RECONSTRUCTION OF THUMB DEFECTS Zhijin Liu, Jihui Ju, Shengzhe Liu | Ruihua Affiliated Hospital of Soochow University, Suzhou Ruihua Orthopaedic Hospital, Suzhou, China
- A-0426** BILOBED ILIAC FLAP PEDICLED WITH FASCIAL PEDICLE OF SUPERFICIAL CIRCUMFLEX ILIAC ARTERY TO

REPAIR COMPLEX TISSUE DEFECT OF FOOT Shengzhe Liu, Zhijin Liu, Jihui Ju | *Ruihua Affiliated Hospital of Soochow University, Suzhou Ruihua Orthopaedic Hospital, Suzhou, China*

A-0429 REPLANTATION WITH VESSEL ANASTOMOSIS FOR TREATMENT OF HAND DEGLOVING INJURIES Zhijin Liu, Jihui Ju, Shengzhe Liu | *Ruihua Affiliated Hospital of Soochow University, Suzhou Ruihua Orthopaedic Hospital, Suzhou, China*

A-0433 INNOVATION AND APPLICATION IN LIMB WOUND REPAIR BY DIFFERENT FORMS OF PERFORATOR FLAP Shengzhe Liu, Zhijin Liu, Jihui Ju | *Ruihua affiliated Hospital of Soochow University, Suzhou Ruihua Orthopaedic hospital, Suzhou, China*

A-0852 SUBCUTANEOUS TRANSPOSITION WITH FASCIAL SLING FOR CUBITAL TUNNEL SYNDROME: PRELIMINARY STUDY Young-Ho Kim, Sang-Uk Lee, Yong-Suk Lee, Won-Woo Kang | *Incheon St Mary's Hospital, South Korea*

A-0853 THE MINIMALLY INVASIVE TREATMENT OF SUBUNGUAL GLOMUS TUMOR Dacun Li¹, Dongmei Li^{1,2} | *The Hospital of Shuyi District Beijing, China*

A-0884 NEW OSSEOUS-ARTICULAR BONE FLAP USING A VASCULARISED BASAL HEMI-METATARSAL FOR PROXIMAL PHALANX RECONSTRUCTION Richard Atkinson, Roisin T Dolan, Henk P Giele | *Oxford University Hospital NHS Foundation Trust*

A-0931 TOWARDS BEST PRACTISE IN DIGITAL REPLANTATION: MULTIDISCIPLINARY GUIDELINES AND THE DEVELOPMENT OF A NOVEL SELF-DIRECTED MICROSURGERY TRAINING FACILITY Andrew McKean, Nadine Haram, Brian Fu, Tim Halsey, Gill Smith, Kate Owers | *Hand Management Unit, Department of Plastic Surgery, Chelsea and Westminster Hospital, London, UK*

A-0955 SURGICAL MANAGEMENT OF "RING FINGER" TRAUMA – A REAL CHALLENGE Mihaela Pertea^{1,2}, P Ciobanu^{1,2}, Diana Al Khazaleh², Oxana Madalina Grosu^{1,2} | *¹"Grigore T. Popa" University of Medicine and Pharmacy Iasi, Romania; ²Clinic of Plastic Surgery and Reconstructive Microsurgery, 'Sf. Spiridon' Emergency Hospital, Iasi, Romania*

A-1018 RE-REPLANTATION OF A MIDDLE FINGER 27 YEARS AFTER FIRST REPLANTATION - A CASE REPORT Rémy Liechti, Olga Politikou, Elmar Fritsche, Urs Hug | *Department of Hand and Plastic Surgery, Cantonal Hospital of Lucerne, Lucerne, Switzerland*

A-1199 FREEVASCULARIZED FIBULAR GRAFT FOR SEGMENTAL MANDIBULAR DEFECTS: A CASE SERIES Panagiotis Kanellos, Konstantinos Tolis, Sofia Syngouna, Emmanouil Fandridis, Sarantis Spyridonos | *Upper Limb, Hand and Microsurgery Department, General Hospital KAT, Athens, Greece*

NERVE RECONSTRUCTION

A-0053 MINI-INVASIVE APPROACH FOR PRONATOR TERES SYNDROME. A CASE REPORT Ana Maria Far Riera, Carlos Perez-Uribarri, Jose M Rapariz-Gonzalez, Marta Oldrati, Matias Esteras-Serrano, Marcos Sanchez-Jimenez | *Hospital Son Llàtzer, Palma de Mallorca, Spain*

A-0391 RESTORATION OF SHOULDER FLEXION/ELEVATION WITH FREE FUNCTIONAL GRACILIS TRANSFER FOR ANTERIOR DELTOID PALS: A CASE SERIES OF THREE PATIENTS Olga Politikou, Clemens Gstöttner, Petra Gettinger, Stefan Salminger, Oskar C. Aszmann | *Clinical Laboratory for Bionic Extremity Reconstruction, Medical University of Vienna, Austria*

A-0567 RESULTS OF REVISION CARPAL TUNNEL DECOMPRESSION TREATED WITH A PORCINE EXTRACELLULAR MATRIX NERVE WRAP Rizwana Imran, Joel Schneider, Samuel George, Dominic Power | *University Hospital Birmingham, UK*

A-0849 PERIPHERAL NERVE REGENERATION USING A NERVE CONDUIT WITH OLFACTORY ENSHEATHING CELLS IN A RAT MODEL – AN EXTENDED STUDY Sang-Uk Lee, Yong-Suk Lee, Won-Woo Kang, Youngho Kim | *Incheon*

- A-0913** THE MANAGEMENT OF DIGITAL NERVE INJURIES USING AVANCE PROCESSED NERVE ALLOGRAFT Tae-Kyung Park, Joel Schneider, Dominic Power | *Queen Elizabeth Hospital Birmingham, UK*
- A-0922** FEATURES OF PERIPHERAL NERVES GUNSHOT INJURIES Andrii Lysak, Serhii Strafun, Igor Kurinnyi, Vasyil Gaiovych, Igor Gaiovych | *State Institution 'Institute of Traumatology and Orthopedics of Nams of Ukraine', Kyiv, Ukraine*
- A-0965** FUNCTIONALIZED NEUROTUBES IN PERIPHERAL NERVE REGENERATION : LITERATURE REVIEW Ines Regas^{1,2}, Francois Loisel^{1,2,3}, Harisson Haight^{1,2}, Fiona Sakek^{1,2}, Pierre Tuphe^{1,2}, Gauthier Menu^{1,2}, Laurent Obert^{1,2,3}, Isabelle Pluvy^{1,2,3} | ¹*Orthopaedic and Traumatology Surgery Department, University Hospital of Besancon, Besancon, France;* ²*Besancon University Hospital, Medical and Pharmaceutics sciences medicales, 19, rue Ambroise Pare, 25000 Besancon, France;* ³*Nanomedicine Lab, Imagery and Therapeutics (EA 4662), SFR FED 4234, University of Franche-Comte, Besancon, France*
- A-1055** A YEAR OF ENDOSCOPIC CARPAL TUNNEL DECOMPRESSIONS. Katie Young, Jo Hanna Reinhold, Davide Molinaro, Elisa Rosanda, Luigi Troisi, Giorgio Pajardi | *Ospedale San Giuseppe, Milano, Italy*

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- A-0612** THE IDENTIFICATION OF RISK FACTORS FOR RECURRENCE AFTER CUBITAL TUNNEL RELEASE: A RETROSPECTIVE STUDY Hans Smit, Yaxi Hu, Richard Brohet, Annet van Rijssen | *Isla Hospital Zwolle, the Netherlands*

OTHERS

- A-0087** CAST IMMOBILIZATION IN DORSIFLEXION IN NON-OPERATIVELY TREATED DISTAL RADIUS FRACTURES, A SYSTEMATIC REVIEW EAK van Delft¹, TM van Gelder², R de Vries³, J Vermeulen⁴, NWL Schep⁵, FW Bloemers⁶ | ¹*Amsterdam UMC, Vrije Universiteit Amsterdam, Department of Trauma Surgery, Amsterdam Movement Sciences;* ²*Beatrixziekenhuis, Rivas zorggroep, Department of Emergency Medicine;* ³*Vrije Universiteit Amsterdam, Medical Library;* ⁴*Maasstad Ziekenhuis, Department of Trauma Surgery;* ⁵*Maasstad Ziekenhuis, Department of Trauma Surgery;* ⁶*Amsterdam UMC, Vrije Universiteit Amsterdam, Department of Trauma Surgery*
- A-0095** KEEPING THE FINGER ON THE PULSE - CARDIAC ARRHYTHMIAS IN HAND SURGERY USING LOCAL ANESTHESIA WITH ADRENALINE Uri Farkash, Amir Herman, Tal Kalimian, Ohad Segal, Amir Cohen, Avishag Laish-Farkash | *Hand Surgery Unit, Department of Orthopedic Surgery and Electrophysiology and Pacing Unit, Department of Cardiology, Assuta Ashdod University Hospital, Israel*
- A-0117** TREATMENT USING NIGHT-TIME SPLINT FOR OSTEOARTHRITIS OF THE PROXIMAL INTERPHALANGEAL JOINTS Haruhiko Satonaka¹, Masaya Tsujii², Yoko Nakabayashi¹, Takahiro Asano¹, Tadashi Tsukamoto¹, Yoshiaki Suzuki¹, Kakunoshin Yoshida¹, Takahisa Hara¹, Akihiro Sudo² | ¹*Ise Municipal General Hospital, Ise, Japan;* ²*Mie University Graduate School of Medicine, Tsu, Japan*
- A-0131** POST-OPERATIVE HAND ELEVATION – DOES IT MATTER? Jia Choong, SS Jing | *Queen Elizabeth Hospital, Birmingham, UK*
- A-0212** CLINICAL OUTCOME OF EAR CARTILAGE RESURFACING ARTHROPLASTY TOGETHER WITH SUTURE-BUTTON SUSPENSIONPLASTY FOR SYMPTOMATIC THUMB CARPOMETACARPAL JOINT ARTHRITIS Usami Satoshi, Kawahara Sanshiro, Takemitsu Masashi, Shimizu Hiroaki, Inami Kohei | *Tokyo Hand Surgery and Sports Medicine Institute, Takatsuki Orthopaedic Hospital, Tokyo, Japan*

- A-0235** MALLET FINGER IN HANDBALL PLAYER Marcos Sanchez-Jimenez, Tomas Pujol Oliver, Isabel Maria Ruiz Hernandez, Tania Roldan Bataneros, Marta Oldrati, Ana Maria Far Riera | *Hospital Universitario Son Llatzer, Spain*
- A-0248** AN UNUSUAL CASE OF TWO CONCURRENT TUMOURS IN THE HAND Fadi Hindi¹, Luis Martul Pestana^{1,2} | ¹*Queen Alexandra Hospital, Portsmouth, UK;* ²*Pulvertaft Hand Centre, Royal Derby Hospital, Derby, UK*
- A-0249** IS ARTHROSCOPIC TREATMENT OF A FIBROMA IN THE WRIST POSSIBLE? – CASE REPORT Pedro Xavier Fernandes, Raquel Teixeira, Hugo Ribeiro, Joao Silva, Carla Nunes | *Hospital Sao Francisco Xavier, Lisbon, Portugal*
- A-0272** FIVE YEAR OUTCOME OF LOCKED METACARPOPHALANGEAL JOINTS Mark Bugeja¹, Michelle Spiteri² | ¹*Mater Dei Hospital, Malta;* ²*Nuffield Orthopaedic Centre, Oxford, United Kingdom*
- A-0352** THE DISTRIBUTION, INCIDENCE AND TIME-LOSS OF HAND FRACTURES AND DISLOCATIONS IN ENGLAND AND WALES PROFESSIONAL CRICKETERS: FIVE YEAR DATA FROM INJURY SURVEILLANCE Sandeep Deshmukh¹, Ella Donnison^{2,3}, Alexia Karantana¹, David Newman³, Nicholas Peirce^{3,4} | ¹*Centre for Evidence Based Hand Surgery, University of Nottingham, Nottingham, UK;* ²*Pulvertaft Hand Centre, Royal Derby Hospital, Derby, UK;* ³*England and Wales Cricket Board, Lord's Cricket Ground, London, UK;* ⁴*National Centre for Sport and Exercise Medicine, Loughborough University, Loughborough, UK*
- A-0355** CHANGE IN JOINT DISTANCE DURING FLEXION AND ABDUCTION OF THUMB CARPOMETACARPAL JOINT Masashi Matsuta, Kaoru Tada, Mika Nakada, Atsuro Murai, Hiroyuki Tsuchiya | *Department of Orthopaedic Surgery, Graduate School of Medical Sciences, Kanazawa University*
- A-0396** NEW APPROACH TO FRACTURES OF THE BASE OF THE FIRST METACARPAL: ANATOMICAL STUDY Luis Felipe Náquira¹, Juan Guillermo Ramírez¹, Mario Arcila¹, Miguel Gómez¹, Mauricio Villegas-González¹, Victoria E Restrepo-Noriega² | ¹*Instituto Colombiano del Dolor, Medellín Colombia;* ²*Clemi, Bogota Colombia, Universidad Ces, Medellín Colombia*
- A-0430** LOOP DRAINAGE FOR PYOGENIC DISTAL INTERPHALANGEAL JOINT ARTHRITIS OF HAND Yong Ho Che, Akane Maeda, Kazuhiro Uesugi, Kinya Nishida | *Teine Keijinkai Hospital, Sapporo, Japan*
- A-0503** EFFICACY OF TOTAL ELBOW ARTHROPLASTY IN THE TREATMENT OF FRACTURES AND FRACTURE-RELATED COMPLICATIONS OF THE DISTAL HUMERUS Efstratios Athanaselis, Fotios Papageorgiou, Dimitrios Deligeorgis, P Karakitsios, Konstantinos Malizos, Sokratis Varitimidis | *Department of Orthopaedics and Musculoskeletal Trauma, University of Thessaly, Larissa, Greece*
- A-0505** RECURRENT CARPAL TUNNEL SYNDROME. TREATMENT WITH THE USE OF HYPOTHENAR FAT PAD FLAP Efstratios Athanaselis, Ioannis Antoniou, Vasileios Kontogeorgakos, Zoe Dailiana, Konstantinos Malizos, Sokratis Varitimidis | *Department of Orthopaedics and Musculoskeletal Trauma, University of Thessaly, Larissa, Greece*
- A-0515** THE IMPORTANCE OF NEUROMUSCULAR ACTIVITY IN OSTEOARTHRITIS OF THE THUMB Adriana Martinez-Catasus, Alex Pasarin, Daniela Gonzalez- Paesani, Marta Risap, Oscar Gasquez, Jordi Faig | *Sant Rafael Hospital, Barcelona, Spain*
- A-0582** ARTHROSCOPIC TREATMENT OF OSTEOCHONDROITIS DISSECANS IN UNUSUAL LOCATION OF HUMERAL TROCHLEA Martin Caloia, Andres Garcia Puerta Stevent, Diego Gonzalez Scotti, Sergio Emanuel Ronconi, Juan Andres Pinzon, German Barrozo | *Hospital Universitario Austral, Buenos Aires, Argentina*
- A-0593** INVESTIGATION OF REOPERATIVE CASES OF CARPAL TUNNEL SYNDROME IN PATIENTS UNDERGOING HEMODIALYSIS Takema Nakashima¹, Toshiyuki Tsuruta², Hiroko Mine², Miho Inoue², Motoki Sonohata¹ | ¹*Department of Orthopaedic Surgery, Faculty of Medicine, Saga University, Japan;* ²*Tsuruta Orthopaedic Clinic, Japan*
- A-0655** FUNCTIONAL ASSESSMENT OF THUMB OPPOSITION ASSOCIATED WITH SEVERE CARPAL TUNNEL SYNDROME Naomi Hanaka¹, Masatoshi Takahara¹, Mikiro Kondou¹, Hiroshi Satake², Michiaki Takagi² |

- A-0667** PYRODISC INTERPOSITION ARTHROPLASTY FOR ADVANCED THUMB CMC JOINT OSTEOARTHRITIS Ji-Won Lee, Seung-Han Shin, Yang-Guk Chung | *Department of Orthopedic Surgery, Seoul St. Mary's Hospital, College of Medicine, the Catholic University of Korea, Seoul, South Korea*
- A-0722** POSTTRAUMATIC ENTEROBACTER CLOACAE INFECTIONS IN UPPER EXTREMITY Lena Fuest¹, Vera Fischer², Rahel Meier³, Esther Vögelin⁴ | *Department of Plastic and Handsurgery, University Hospital Bern, Switzerland*
- A-0732** ANALYSIS OF SPECTRUM AND OUTCOMES OF HAND INFECTION IN A TERTIARY CARE CENTRE IN SOUTH INDIA Subashini Rajendiran, Srivignesh Manohar, Lokesh Suryanarayanan, Thamilchelvan Akshayaalingam | *Sri Ramachandra Institute of Higher Education and Research, Porur, Chennai, Tamil Nadu, India*
- A-0825** UPPER EXTREMITY DISORDERS IN FLUTE PLAYERS Taro Nagai, Jun Nishida, Takanori Hatanaka, Takashi Koyama, Toshiyuki Tateiwa, Kengo Yamamoto | *Tokyo Medical University, Tokyo, Japan*
- A-0830** NATIONWIDE COMMUNITY BASED EMERGENCY CENTERS REVEAL IMPACT OF HAND TRAUMA Shai Luria¹, Guy Liba¹, Deena Zimmerman², Gabriel Polliack², Ronit Calderon-Margalit¹ | *¹Hadassah-Hebrew University Medical Center, Jerusalem, Israel; ²Terem Emergency Care Centers, Israel*
- A-0838** A RARE CASE OF ANEURYSMAL BONE CYST IN THE TRIQUETRUM OF A HEALTH CARE PROFESSIONAL Ng Rabey, A Hazlerigg, T Cosker, N Riley | *Nuffield Orthopaedic Centre, Oxford, UK*
- A-0859** A DISTAL RADIUS METASTATIC LESION TREATED BY ONE BONE FOREARM TECHNIQUE Aleix Sala Pujals, Daniel Valverde Vilamala, Joan Cebamanos Celma, Nere Goikochea Sadaba, Enric Dominguez Font | *Parc de Salut Mar, Barcelona, Spain*
- A-0860** SHORT-TERM RESULTS AFTER TRAPEZIECTOMY AND CAPSULAR SUTURE SHRINKAGE FOR THE TREATMENT OF THUMB CARPOMETACARPAL JOINT OSTEOARTHRITIS Giuseppe Broccoli^{1,2}, Saskia JM Kamphuis¹, Michael Bauer¹, Florian J Jung¹, Abdul R Jandali¹ | *¹Department of Hand and Plastic Surgery, Cantonal Hospital Winterthur, Switzerland; ²Hand Surgery Unit, Helios Mittelweser County Hospital, Teaching Hospital of the University of Hamburg, Nienburg Weser, Germany*
- A-0868** OSTEIOD OSTEOMA OF SECOND METACARPAL BONE. A RARE CASE OF HAND PAIN Daniel Valverde Vilamala, Aleix Sala Pujals, Paula Serrano Chinchilla, Enric Dominguez Font | *Parc de Salut Mar, Barcelona, Spain*
- A-0876** RESCUE OF A HEADLESS SCREW FOUR-CORNER FUSION WITH A DORSAL PLATE Daniel Valverde Vilamala, Enric Dominguez Font, Aleix Sala Pujals | *Parc de Salut Mar, Barcelona, Spain*
- A-0878** WRIST ARTHRODESIS WITH NON SPANNING PLATES Enric Dominguez Font, Daniel Valverde Vilamala, Elisenda Gimenez Valero, Aleix Sala Pujals | *Parc de Salut Mar, Barcelona, Spain*
- A-0907** WALANT TECHNIQUE IN HAND SURGERY - TECHNICAL CONSIDERATIONS AND PAIN OUTCOMES Mihaela Pertea^{1,2}, Diana Al Khazaleh², P Ciobanu^{1,2}, S Lunca³, R Tudor⁴, Oxana Madalina Grosu^{1,2} | *¹"Grigore T. Popa" University of Medicine and Pharmacy, Iasi, Romania; ²Clinic of Plastic Surgery and Reconstructive Microsurgery, 'Sf. Spiridon' Emergency County Hospital, Iasi, Romania; ³Second Surgical Clinic, Institute of Oncology, Iasi, Romania; ⁴Department of Orthopaedics and Traumatology, Emergency Hospital, Vaslui, Romania*
- A-0952** SURGICAL TREATMENT OF ISOLATED FRACTURES OF THE BODY OF THE HAMATE José Sous, Rubén Maestro, Carlos Rodríguez, Sandra Ballester, Javier Cervera, Emilio Calvo | *Fundación Jiménez Díaz University Hospital, Madrid, Spain*
- A-0990** ANTEROPOSTERIOR RADIOGRAPH OF THE WRIST. NORMAL PARAMETERS IN A PORTUGUESE POPULATION Daniela Pereira, Sérgio Figueiredo, Vítor Rodrigues, Carlos Ferreira, António Sá | *Centro Hospitalar de Leiria, Leiria, Portugal*
- A-1002** MORPHOLOGY AND VASCULARITY OF THE TRAPEZIUM BONE AND BECAUSE IT IS NOT FREQUENT TO HAVE AN OSTEONECROSIS Claudia Lamas Gómez^{1,2}, Roger Rojas-Sayol¹, Laura Velasco-Gonzalez¹, Rosa Morro-Martí², Sara Wahab-Zuriarrain¹, Alfonso Mandia-Martínez¹, Manuel Llusá-Pérez² | *¹Hand Unit and Upper*

*Extremity, Department of Orthopaedic Surgery, Hospital de la Santa Creu i Sant Pau, Universitat Autònoma de Barcelona, Barcelona, Spain;*²*Department of Embryology and Human Anatomy, Universitat de Barcelona, Spain*
A-1007 OPEN REDUCTION FOR DELAYED PRESENTATION OF DISLOCATION OF THE METACARPOPHALANGEAL JOINT OF THE THUMB IN A CHILD. CASE REPORT. Blanca Arino, Daniel Marín, Marta Guillén, Ana De La Torre | *Clínica CEMTRO, Madrid, Spain*

A-1015 HOW LONG DOES IT TAKE FOR A DAY CASE HAND SURGERY PROCEDURE? Preetham Kodumuri, Deepak Samson, Mark Brewster | *University Hospitals Birmingham, UK; University Hospital of Coventry and Warwickshire, UK*

A-1027 OCHROBACTRUM ANTHROPI INFECTION OF THE HAND: A CASE REPORT AND REVIEW OF THE LITERATURE Céline Bratschi¹, Flavien Mauler^{1,2}, Claudia Meuli-Simmen¹, Andreas Weber¹, Thuan V Ly¹ | ¹*Kantonsspital Aarau, Aarau, Switzerland;* ²*Geneva University Hospitals, Geneva, Switzerland*

A-1062 LONG TERM FOLLOW-UP OF INTRA-ARTICULAR BASE OF MIDDLE PHALANX FRACTURES Saskia JM Kamphuis, Lars Kern, Barbara Staempfli, Michael Wirth, Julia Sproedt, Abdul R Jandali | *Cantonal Hospital Winterthur, Zurich, Switzerland*

A-1066 POTENTIAL ADVANTAGES OF TRAPEZIECTOMY FOLLOWED BY SUSPENSORPLASTY UNDER WALANT (WIDE-AWAKE LOCAL ANAESTHETIC NO-TORNIQUET) WHILE TREATING FIRST CARPOMETACARPAL JOINT OSTEOARTHRITIS Carlos Ferreira, Sérgio Figueiredo, Ana Pereira, Vitor Rodrigues, Carlos Pina, António Sá | *Centro Hospitalar de Leiria, Portugal*

A-1069 LACERTUS SYNDROME Egemen Ayhan¹, Elif Cimilli² | ¹*Orthopaedics and Traumatology, University of Health Sciences, Diskapi YB Training and Research Hospital, Ankara, Turkey;* ²*Hacettepe University, Faculty of Health Sciences, Department of Occupational Therapy, Ankara, Turkey*

A-1077 DELAYED PRESENTATION OF MULTIPLE CARPOMETACARPAL JOINT DISLOCATION Blanca Arino, Daniel Marín, Marta Guillén, Ana De La Torre | *Clínica Centro, Madrid, Spain*

A-1133 PERONEAL NERVE PALSY DUE TO GANGLION CYSTS. A CASE SERIES Konstantinos Tolis¹, Ioannis Papanastasiou², Emmanouil Fandridis¹, Panagiotis Kanellos¹, Sarantis Spyridonos¹ | ¹*Hand, Upper limb and Microsurgery Department, General Hospital KAT, Marousi, Athens, Greece;* ²*General Oncological Hospital Kifisias "Agioi Anargyroi", Athens, Greece*

A-1170 SPONTANEOUS HEALING OF A MYXOINFLAMMATORY FIBROBLASTIC SARCOMA OF THE THUMB C Chaves^{1,2}, M Tallegas³, E Marteau¹, G De Pinieux³, J Laulan¹, G Bacle¹ | ¹*Centre Hospitalier Régional Universitaire de Tours, Service de Chirurgie Orthopédique, Faculté de Médecine de Tours, Université de Tours, Tours, France;* ²*Institut de la Main Nantes Atlantique, Nantes, France;* ³*Centre Hospitalier Régional Universitaire de Tours, Hôpital Trousseau, Service d'Anatomie Pathologique, Faculté de Médecine de Tours, Université de Tours, Tours, France*

A-1171 GIANT LIPOMAS OF THE UPPER EXTREMITIES. A CASE SERIES Konstantinos Tolis¹, Panagiotis Kanellos¹, Emmanouil Fandridis¹, Ioannis Papanastasiou², Giannoulis Filippou¹, Sarantis Spyridonos¹ | ¹*Hand, Upper limb and Microsurgery Department, General Hospital KAT, Marousi, Athens, Greece;* ²*General Oncological Hospital Kifisias "Agioi Anargyroi", Athens, Greece*

A-1186 EARLY MRI EMERGENCY DEPARTMENT PATHWAY FOR SUSPECTED SCAPHOID FRACTURES REDUCES TIME TO DIAGNOSIS AND AVOIDS UNNECESSARY CLINIC APPOINTMENTS Alexandra Frances Hazlerigg, Richard Craig, Philip Hormbrey, Stephen Gwilym, Christopher Little | *John Radcliffe Hospital, Oxford University Hospitals NHS Trust, Oxford, UK*

A-1200 SIMULTANEOUS BILATERAL DISTAL BICEPS TENDON RUPTURE AND BILATERAL PRIMARY REPAIR: A CASE REPORT Panagiotis Kanellos, George Gatos, Konstantinos Tolis, Filippou Giannoulis, Sarantis Spyridonos | *Upper Limb, Hand and Microsurgery Department, General Hospital KAT, Athens, Greece*

A-1226 EXTENSOR POLLICIS LONGUS RUPTURE FOLLOWING ELASTIC STABLE INTRAMEDULLARY NAIL FIXATION

OUTCOME MEASUREMENT

- A-0736** POLLICISATION: A SYSTEMATIC LITERATURE REVIEW OF OUTCOMES Nabeela Farooq, Dariush Nikkhah | *London, UK*
- A-1114** COMPARISON OF CONSERVATIVE TREATMENT AND KIRSCHNER WIRE FIXATION RESULTS IN CLOSED REDUCTION TREATMENT OF FIFTH METACARPAL NECK FRACTURES Gökçe Yildiran, Nicat Majidov, Mustafa Sutcu, Osman Akdag, Zekeriya Tosun | *Selcuk University Medical Faculty Plastic, Reconstructive and Aesthetic Surgery Department Hand Surgery Division, Konya, Turkey*
- A-1221** OUTCOME DOMAINS AND OUTCOME MEASURES USED IN STUDIES ASSESSING INTERVENTIONS FOR THE MANAGEMENT OF PERIPHERAL NERVE INJURY IN ADULTS: A SYSTEMATIC REVIEW Ralph Murphy^{1,2}, Adam Reid^{1,2} | ¹*Blond McIndoe Laboratory, University of Manchester, UK;* ²*Plastic and Reconstructive Surgery Department, Manchester University NHS Foundation Trust, Manchester, UK*

RHEUMATOID ARTHRITIS

- A-0959** SWAN NECK DEFORMITY CORRECTION: LITTLER'S DISTALLY BASED LATERAL BAND TECHNIQUE COMBINED WITH THE ZANCOLLI'S FDS-PALMAR PLATE LIGAMENT PULLEY FOR THE JACCOUD ARTROPATHY M Francés, C Navarro, Palacios J Fernández, D Elliot | *Hospital Universitario de Gran Canaria Doctor Negrín, Las Palmas de Gran Canaria, Spain*

SCAPHOID RECONSTRUCTION

- A-0008** THE ADVANTAGES OF TYPE III SCAPHOID NONUNION ADVANCED COLLAPSE (SNAC) TREATMENT WITH PARTIAL CARPAL ARTHRODESIS IN THE DOMINANT HAND: RESULTS OF 5-YEAR FOLLOW-UP Giuseppe Rollo¹, Michele Bisaccia², Giuseppe Rinonapoli², Andrea Pasquino¹, Valerio Pace², Chang Park³, Paolo Pichierri¹, Marco Giaracuni¹, Auro Caraffa², Luigi Meccariello¹ | ¹*Vito Fazzi Hospital, Lecce, Italy;* ²*University of Perugia, Italy;* ³*North West Thames, United Kingdom*
- A-0312** CAN CT PRE-OPERATIVE MEASUREMENT OF HUMPBACK DEFORMITY, DISLOCATION AND THE SIZE OF BONY CYSTS PREDICT THE UNION RATE AND TIME TO HEALING OF SCAPHOID NONUNIONS? Robert Gvozdenovic, Benjamin Presman, Morten Bo Larsen, Dimitar Radev, Stig Joerring, Claus Hjort Jensen | *Hand Surgery Unit, Department of Orthopaedics, Gentofte/Herlev Hospital, Hellerup, Copenhagen, Denmark*
- A-1207** BILATERAL SCAPHOID NON-UNION IN PROFESSIONAL HANDBALL PLAYER: CASE REPORT Iulian-Daniel Vilcioiu, Marius Niculescu | *Colentina Clinical Hospital, Bucharest, Romania*

SMALL JOINTS ARTHROSCOPY

- A-0338** ARTHROSCOPY CONTROL IN NEGLECTED CMC THUMB DISLOCATION Jose Manuel Méndez-López^{1,2}, Juan Miguel Gomez-Fernandez¹, Eva Rodriguez-Ferrer¹, Javier Garcia-Reas¹, Artiz Ortega Cabol¹ | ¹MC-Mutual Hospital, Barcelona, Spain; ²Hospital Universitario del Sagrat Cor, Barcelona, Spain
- A-0562** ARTHROSCOPIC-ASSISTED TREATMENT OF THUMB CARPOMETACARPAL JOINT POST-TRAUMATIC INSTABILITY José Sous, Javier Cervera, Rubén Maestro, Carlos Rodríguez, Sandra Ballester, Emilio Calvo | Fundación Jiménez Díaz University Hospital, Madrid, Spain

SOFT TISSUE RECONSTRUCTION

- A-1029** VOLAR SUBLUXATION OF FIRST EXTENSOR COMPARTMENT TENDONS AFTER DE QUERVAIN'S SURGICAL RELEASE: REVISION SURGERY USING PALMARIS LONGUS AUTOGRAFT. A CLINICAL CASE AND LITERATURE REVIEW Ana Scott-Tennent De Rivas¹, Pau Forcada Calvet^{1,2}, Amer Mustafa Gondolbeu^{1,2}, Marta Bonjorn Marti^{1,2}, Laura Prats Gispert^{1,2} | ¹Hospital Universitari Arnau de Vilanova, Spain; ²Universitat de Lleida, Spain
- A-1208** CASE REPORT: A FOURTH DEGREE PALMAR BURN IN A 15-MONTH-OLD GIRL Andreas Weber¹, Miliana Vojvodic², Claudia Meuli-Simmen¹, Clemens Schiestl², Kathrin Neuhaus² | ¹Clinic for Hand Surgery, Plastic and Reconstructive Surgery, Kantonsspital Aarau, Aarau, Switzerland; ²Pediatric Burn Center, Division of Plastic and Reconstructive Surgery, University Children's Hospital Zurich, Zurich, Switzerland

TENDON RESEARCH

- A-0036** THE USE OF 5- FLUOROURACIL IN THE PREVENTION OF TENDON ADHESIONS: A SYSTEMATIC REVIEW Andrew Stuart, Omid Nazifi, Dariush Nikkhah | Royal Perth Hospital, Perth Australia
- A-0296** DELAYED TENDON HEALING AFTER INJURY IN TETRANECTIN-DEFICIENT MICE Megumi Hanaka, Kousuke Iba, Hikaru Hayakawa, Toshihiko Yamashita | Sapporo Medical University School of Medicine, Sapporo, Japan
- A-0302** OPEN VS PERCUTANEOUS TENORRHAPHY IN TREATMENT OF „Mallet Finger“ Injury – OUR EXPERIENCE Sofija Pejкова, Tomislav Jovanoski, Smilja Tudzarova Gjorgova, Elizabeta Zhogovska Mircevska, Igor Peev, Bisera Nikolovska, Gordana Georgieva, Vladimir Ginoski, Blagoja Srbov | University Clinic for Plastic and Reconstructive Surgery, Skopje, North Macedonia
- A-0501** SYMPTOMATIC RECURRENT EXTENSOR CARPI ULNARIS TENDON DISLOCATION IN TENNIS PLAYERS: A REPORT OF TWO CASES Sho Kohyama¹, Akihiro Kanamori¹, Yuki Hara¹, Yasumasa Nishiura², Akira Ikumi¹, Eriko Okano¹, Yasukazu Totoki¹, Masashi Yamazaki¹ | ¹Department of Orthopaedic Surgery, Faculty of Medicine, University of Tsukuba, Tsukuba, Japan; ²Tsuchiura Clinical Education and Training Center, Tsukuba University Hospital, Tsuchiura, Japan

TETRAPLEGIA AND SPASTICITY

- A-0677** FUNCTIONAL REINNERVATION OF THE LOWER LIMB AFTER CONTRALATERAL LUMBAR TO SACRAL NERVE TRANSFER FOR HEMIPLEGIC PATIENTS Yanqun Qiu, Mao-Xin Du, Bao-Fu Yu, Wendong Xu | ¹Department of Hand Surgery, Huashan Hospital, Fudan University, Shanghai, China; ²Department of Hand and Upper Extremity Surgery, Jing'an District Center Hospital, Shanghai, China; ³Shanghai Clinical Medical Center for

THE ISCHEMIC HAND

- A-0045** THE IMPORTANCE OF EARLY RECOGNITION OF COMPARTMENT SYNDROME AFTER TRANSRADIAL APPROACH FOR PERCUTANEOUS CORONARY INTERVENTIONS Sofija Pejкова¹, Gordana Georgieva¹, Vladimir Ginoski¹, Tomislav Jovanoski¹, Blagoja Srbović¹, Hristo Pejkov², Gjorgje Dzokic¹ | ¹University Clinic for Plastic and Reconstructive Surgery, Medical Faculty, University 'St.Cyril and Methodius', Skopje, North Macedonia; ²University Clinic for Cardiology, Medical Faculty, University 'St.Cyril and Methodius', Skopje, North Macedonia

TISSUE ENGINEERING

- A-0165** COMBINED LOCAL DELIVERY OF TACROLIMUS AND STEM CELLS IN FIBRIN GEL IS A VIABLE POTENTIAL TREATMENT FOR ENHANCING PERIPHERAL NERVE REGENERATION Tiam Mana Saffari¹, Katelyn Chan^{2,4}, Kevin J Zuo^{2,3,5}, Gregory H Borschel^{2,5}, Alexander Y Shin¹ | ¹Division of Hand and Microvascular Surgery, Department of Orthopedic Surgery, Mayo Clinic, Rochester, MN, USA; ²Division of Plastic & Reconstructive Surgery, Hospital for Sick Children, Toronto, ON, Canada; ³Neurosciences and Mental Health, SickKids Research Institute, Hospital for Sick Children, Toronto, ON, Canada; ⁴Institute of Biomaterials & Biomedical Engineering, Department of Engineering, University of Toronto, Toronto, ON, Canada; ⁵Division of Plastic & Reconstructive Surgery, Department of Surgery, University of Toronto, Toronto, ON, Canada

ULNA IMPACTION SYNDROME AND OTHER ULNAR SIDE WRIST PAIN

- A-0009** NEUROLYSIS VERSUS NEUROTOMY AND ANTERIOR TRANSPOSITION OF THE ULNAR NERVE IN CUBITAL TUNNEL SYNDROME: A GROUP-CONTROL STUDY Valerio Pace¹, Chang Park⁴, Rita Rosati², Giacomo Placella³, Auro Caraffa¹ | ¹University of Perugia, Italy; ²Citta di Castello Hospital, Italy; ³San Raffaele Hospital, Italy; ⁴North West Thames, United Kingdom
- A-0321** TREATMENT OF NONUNION FOLLOWING ULNAR SHORTENING OSTEOTOMY WITH ULNAR SHORTENING PLATE Il-Hyun Koh, Yun-Rak Choi, Jin-Chul Oh, Ho-Jung Kang | Department of Orthopaedic Surgery, Yonsei University College of Medicine, Seoul, South Korea
- A-1160** A SYSTEMATIC REVIEW OF TREATMENTS IN DISTAL RADIOULNAR JOINT INSTABILITY IN GALEAZZI'S FRACTURE DISLOCATION Claudia Lamas Gómez¹, Roger Rojas-Sayol¹, Marta Almenara-Fernandez¹, Manel Fa-Binefa¹, Sara Wahab-Zuriarrain², Alfonso Mandia-Martínez¹, Gerard Urrútia-Cuchi² | ¹Hand Unit and Upper Extremity, Department of Orthopaedic Surgery, Hospital de la Santa Creu i Sant Pau, Universitat Autònoma de Barcelona, Barcelona, Spain; ²Iberoamerican Cochrane Centre, Biomedical Research Institute, Barcelona, Spain

WRIST ARTHROSCOPY

- A-0014** TRAUMATIC SCAPHOID OR TRIQUETRAL BONY AVULSION OF THE DORSAL INTERCARPAL LIGAMENT Lorenzo Merlini^{1,2}, Christophe Mathoulin¹ | ¹International Wrist Center, Clinique Bizet, Paris, France; ²Orthopedic and Traumatology Upper Limb Surgery, Hôpital Avicenne, Bobigny – Université Paris 13, France

- A-0580** ARTHROSCOPIC FINDINGS OF DISTAL RADIOULNAR JOINT IN THE GALEAZZI LUXOFRACTURE Martin Caloia, Andres Garcia Puerta Stevent, Diego Gonzalez Scotti, Sergio Emanuel Ronconi, Juan Andres Pinzon, German Barrozo, Matias Lois, Maria Emilia Serur, Lautaro Avogadro | *Hospital Universitario Austral, Buenos Aires, Argentina*
- A-1101** ARTHROSCOPIC TREATMENT OF DISTAL RADIO-ULNAR JOINT INSTABILITY AFTER WRIST TRAUMA IN CHILDREN - CASE REPORT Raquel Rocha Afonso, Elisabete Ribeiro, Melanie Ribau, Mário Baptista, Pedro Varanda, Luis Filipe Rodrigues | *Hospital de Braga, Braga, Portugal*

WRIST BIOMECHANICS

- A-0313** THREE DIMENSIONAL ANALYSIS OF DISPLACEMENT AND REDUCTION OF DISTAL RADIUS FRACTURES Yuichi Yoshii¹, Shin Teramura², Yasukazu Totoki³, Tomoo Ishii¹ | ¹*Tokyo Medical University Ibaraki Medical Center, Ami, Japan;* ²*Tsukuba Gakuen Hospital, Tsukuba, Japan;* ³*Tsukuba University Hospital, Tsukuba, Japan*
- A-0839** THE EFFECT OF FRACTURE LOCATION AND COMMUNITION ON DISPLACEMENT OF ACUTE SCAPHOID FRACTURES – THREE-DIMENSIONAL COMPUTED TOMOGRAPHY ANALYSIS Anne Eva Bulstra^{1,2,3}, Rami Al Dirini⁴, Arthur Turow^{1,2}, Miriam GE Oldhoff⁵, Kimberley Bryant², Miryam C Obdeijn³, Job N Doornberg^{1,3}, Ruurd L Jaarsma^{1,2}, Gregory I Bain^{1,2} | ¹*Flinders Medical Centre, Adelaide, Australia;* ²*Flinders University, Adelaide, Australia;* ³*Amsterdam UMC, location AMC, University of Amsterdam, Amsterdam, the Netherlands;* ⁴*Medical devices Institute, College of Science and Engineering, Flinders University, Adelaide, Australia;* ⁵*Delft University of Technology, Delft, the Netherlands*

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1. RESEARCH GRANTS

FESSH supports research projects in the field of hand surgery.
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FESSH Basic Research Grant

<http://fessh.com/basic-research-grant/>

The grant aims to encourage **exploratory, translational or developmental research** by providing support for the **early and conceptual stages** of new clinical approaches. Therefore, this grant is directed towards **basic and translational science and novel ideas/techniques** in hand surgery, rather than studies on clinical series of patients.

Award: €10.000

Application deadline: 31 October 2020



FESSH Clinical Research Grant

<http://fessh.com/clinical-research-grant/>

The grant aims to encourage **clinical research projects** in the field of hand surgery. All clinical projects that are directed towards outcomes or assessment of treatment modalities in hand surgery related topics are welcome to apply. Well-designed prospective trials will be promoted.

Award: €10.000

Application deadline: 1 December 2020

FESSH and Foundation of Hand Surgery Clinical Research Grant

<http://fessh.com/fessh-foundation-for-hand-surgery-clinical-research-grant/>

FESSH in cooperation with the Foundation for Hand Surgery, a Switzerland based non-profit organization supporting hand surgical projects the FESSH/Foundation for Hand Surgery Clinical Research aims to support fundamental **hand surgery research for the public health benefit**. It therefore aims at supporting original clinical projects that aim to study and improve outcome of hand surgery related conditions. The grant is for one year, however projects with a more extended time scope will be eligible.

Award: €50.000

Application deadline: 31 December 2020

What does FESSH offer to European Hand Surgeons?

2. TRAVEL AWARD FOR 2021 – 4000€

One of the aims of FESSH is to stimulate, assist and foster training in Hand Surgery for all surgeons both young and established, who are members of the national societies represented by FESSH. FESSH awards up to a total of 40'000 Euros, with a maximum of 4'000 Euro per applicant.

For more information go to <http://fessh.com/travel-award-application/>



3. EBHS EXAMINATION IN 2021

The Council of FESSH holds its 24. European Board of Hand Surgery Diploma Examination during 2021 FESSH Congress in Rotterdam, the Netherlands.

Any surgeon whose National Hand Society is member of FESSH or IFSSH and who is interested in sitting this examination should make an online registration to apply for the examination.

WRITTEN PART (MCQ TEST) Preliminary date:

19 March 2021 (Friday) – 13:00-15:00 CET in different European cities.

List of centres will be confirmed by January 2021.

ORAL PART Preliminary date:

14-15 June 2021 (Monday-Tuesday), Venue: Rotterdam, the Netherlands

Application for the 2021 Exam will be open from 15 September 2020.

Please prepare your documentation till this date and upload the necessary information before 30 November 2020.

For more details go to <http://fessh.com/examination-committee/examination-2021/>

What does FESSH offer to European Hand Surgeons?

4. FESSH ONLINE SELF-ASSESSMENT

In order to enable participants to prepare for the EBHS Exam as best as possible and to allow checking their own state of knowledge, the Examination Committee of FESSH has launched an Online Self-Assessment Examination that consists of 60 original exam questions. These examination questions also correspond to original exams in the distribution to the various subject areas.

For more info go to <http://fessh.com/online-self-assessment-examination/>



5. EUROPEAN HAND TRAUMA CENTRES NETWORK

The goal of the FESSH Hand Trauma Committee is to improve standards of care for Emergency Hand Trauma in Europe. FESSH encourages the participation and collaboration of all countries and calls the hand trauma centres to join a European Emergency Network of Hand Trauma and Replantation Centres.

For more information go to <http://fessh.com/hand-trauma-committee/>



What does FESSH offer to European Hand Surgeons?

6. FESSH OFFERS PATRONAGE FOR HAND SURGERY EVENTS OF HIGH QUALITY

For more information go to <http://fessh.com/patronage/>



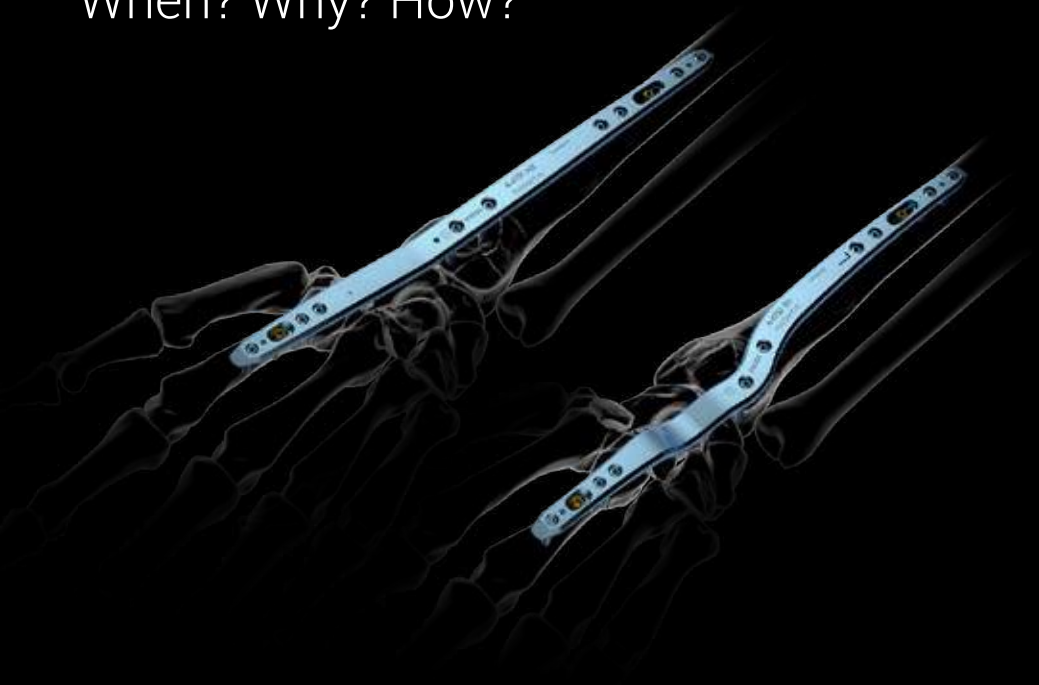
7. YOUNG EUROPEAN HAND SURGEONS – YEHS

Goal of YEHS is facilitate networking between young hand surgeons across Europe and to help FESSH to improve hand surgery training in Europe, to enable knowledge transfer between surgeons and institutions (e.g. traveling fellowships etc.), to promote research opportunities and to install training courses etc. They are also here to represent the interests of trainees in hand surgery in Europe. Find out more about YEHS at yehs.eu



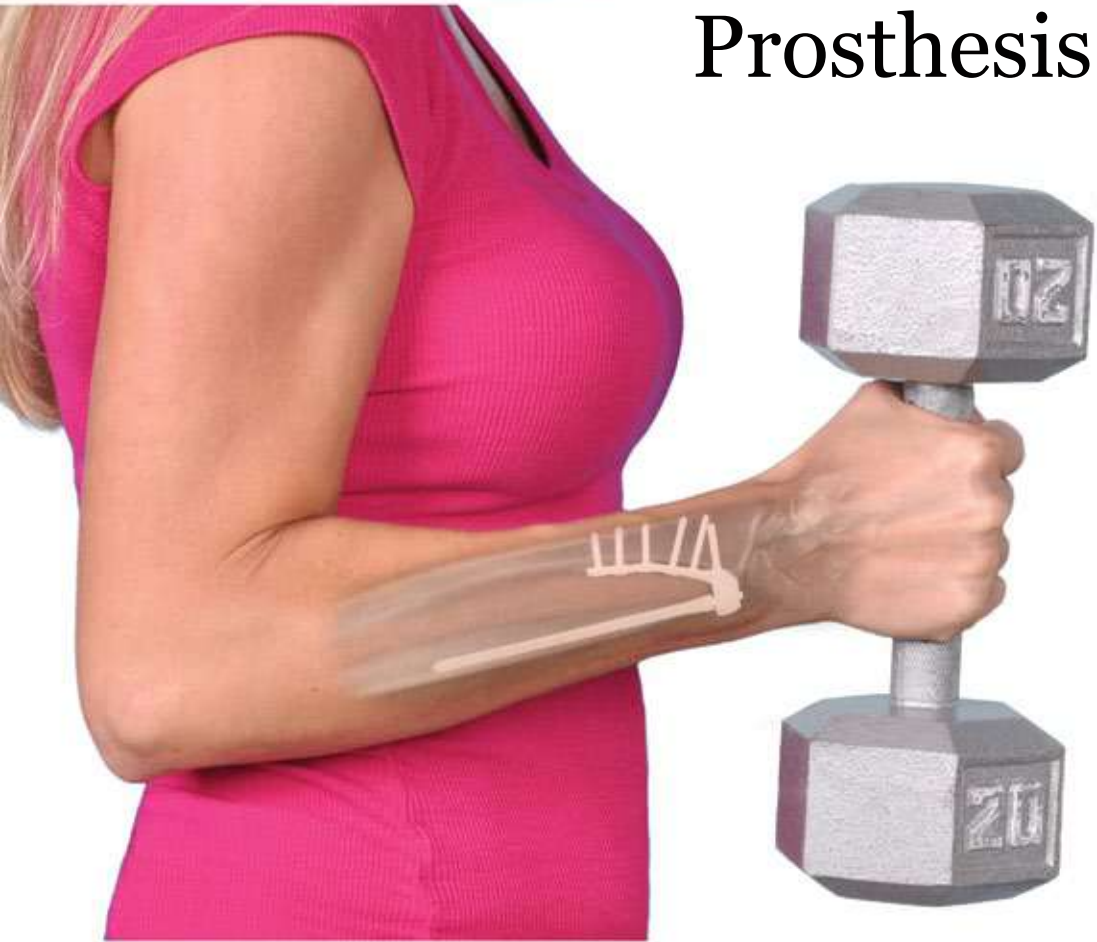
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