Abdelaziz, T. H., Elbeshry, S. S., Mahran, M., & Aly, A. S. (2017). Flexion Deformities of the Wrist and Fingers in Spastic Cerebral Palsy: A Protocol of Management. *Indian Journal of Orthopaedics*, *51*(6), 704–708. <https://doi.org/10.4103/ortho.IJOrtho_160_16>

Adkinson, J. M. (2018). Upper Extremity Spasticity. *Hand Clinics*, *34*(4), xiii. <https://doi.org/10.1016/j.hcl.2018.07.003>

Alewijnse, J. V., Smeulders, M. J. C., & Kreulen, M. (2015). Short-term and Long-term Clinical Results of the Surgical Correction of Thumb-in-Palm Deformity in Patients With Cerebral Palsy. *Journal of Pediatric Orthopedics*, *35*(8), 825–830. <https://doi.org/10.1097/BPO.0000000000000380>

Allieu, Y. (2011). [Surgical management of the adult spastic hand]. *Chirurgie de la main*, *30*(3), 159–175. <https://doi.org/10.1016/j.main.2011.03.003>

Anakwenze, O. A., Namdari, S., Hsu, J. E., Benham, J., & Keenan, M. A. (2013). Myotendinous lengthening of the elbow flexor muscles to improve active motion in patients with elbow spasticity following brain injury. *Journal of Shoulder and Elbow Surgery*, *22*(3), 318–322. <https://doi.org/10.1016/j.jse.2012.10.043>

Angulo-Parker, F. J., & Adkinson, J. M. (2018). Common Etiologies of Upper Extremity Spasticity. *Hand Clinics*, *34*(4), 437–443. <https://doi.org/10.1016/j.hcl.2018.06.001>

Balsara, K., Jea, A., & Raskin, J. S. (2018). Neurosurgical Management of Spastic Conditions of the Upper Extremity. *Hand Clinics*, *34*(4), 547–554. <https://doi.org/10.1016/j.hcl.2018.06.012>

Bansal, A., Wall, L. B., & Goldfarb, C. A. (2016). Cerebral Palsy Tendon Transfers: Flexor Carpi Ulnaris to Extensor Carpi Radialis Brevis and Extensor Pollicis Longus Reroutement. *Hand Clinics*, *32*(3), 423–430. <https://doi.org/10.1016/j.hcl.2016.03.010>

Barrett-Lee, J. J. T. (2024). Surgical techniques to treat thumb spasticity in children and adults: A systematic review. *Journal of Hand and Microsurgery*, *16*(5), 100143. <https://doi.org/10.1016/j.jham.2024.100143>

Berger, A., Salhi, S., & Payares-Lizano, M. (2018). Surgical Management of Spasticity of the Elbow. *Hand Clinics*, *34*(4), 503–510. <https://doi.org/10.1016/j.hcl.2018.06.007>

Bini, N., & Leclercq, C. (2020). Anatomical study of the deep branch of the ulnar nerve and application to selective neurectomy in the treatment of spasticity of the first web space. *Surgical and Radiologic Anatomy : SRA*, *42*(3), 253–258. <https://doi.org/10.1007/s00276-019-02380-y>

Black, L., & Gaebler-Spira, D. (2018). Nonsurgical Treatment Options for Upper Limb Spasticity. *Hand Clinics*, *34*(4), 455–464. <https://doi.org/10.1016/j.hcl.2018.06.003>

Botte, M. J., Keenan, M. A., Korchek, J. I., & Waters, R. L. (1987). Modified technique for the superficialis-to-profundus transfer in the treatment of adults with spastic clenched fist deformity. *The Journal of Hand Surgery*, *12*(4), 639–640. [https://doi.org/10.1016/s0363-5023(87)80227-7](https://doi.org/10.1016/s0363-5023%2887%2980227-7)

Bunata, R. E. (2006). Pronator Teres Rerouting in Children With Cerebral Palsy. *The Journal of Hand Surgery*, *31*(3), 474.e1-474.e11. <https://doi.org/10.1016/j.jhsa.2005.11.009>

Cain, M., Lemhouse, P., Buckon, C., & Freese, K. P. (2024). Pediatric Spastic Wrist Contractures Can Be Well Managed With Wrist Arthrodesis. *Journal of Pediatric Orthopedics*, *44*(5), 333–339. <https://doi.org/10.1097/BPO.0000000000002648>

Cantwell, S. R., & Rhee, P. C. (2025). Patient- and Provider-Perceived Barriers to Reconstructive Surgery for Patients With Upper Limb Spasticity. *The Journal of Hand Surgery*, S0363-5023(24)00603-8. <https://doi.org/10.1016/j.jhsa.2024.11.019>

Carlson, E. J., & Carlson, M. G. (2014). Treatment of swan neck deformity in cerebral palsy. *The Journal of Hand Surgery*, *39*(4), 768–772. <https://doi.org/10.1016/j.jhsa.2014.01.039>

Carlson, M. G., Athwal, G. S., & Bueno, R. A. (n.d.). *Treatment of the Wrist and Hand in Cerebral Palsy*.

Çelebi, G., Ayyildiz, A., Çiftci Inceoğlu, S., & Kuran, B. (2025). The effect of ultrasound-guided botulinum toxin injections on pain, functionality, spasticity, and range of motion in patients with post-stroke upper  extremity spasticity. *Rehabilitacion*, *59*(1), 100876. <https://doi.org/10.1016/j.rh.2024.100876>

Chaudhry, S., Bhardwaj, P., Venkatramani, H., & Sabapathy, S. R. (2021). The Spastic Upper Extremity in Children: Multilevel Surgical Decision-making. *The Journal of the American Academy of Orthopaedic Surgeons*, *29*(9), e416–e426. <https://doi.org/10.5435/JAAOS-D-20-00719>

Combey, A., Bard-Pondarré, R., Erhard, L., & Chaléat-Valayer, E. (2024). Retrospective study of functional benefits and satisfaction in multisite upper-limb surgery in children with unilateral cerebral palsy. *Hand Surgery & Rehabilitation*, *43*(1), 101623. <https://doi.org/10.1016/j.hansur.2023.11.008>

Coulet, B., Coroian, F., Chammas, M., & Laffont, I. (2022). What can be expected from tendon transfers in the upper limb in central nervous system disorders? *Hand Surgery & Rehabilitation*, *41S*, S159–S166. <https://doi.org/10.1016/j.hansur.2020.03.009>

Crowe, C. S., Pino, P. A., & Rhee, P. C. (2023). Expert consensus on the surgical evaluation and management of upper extremity spasticity in adults. *The Journal of Hand Surgery, European Volume*, *48*(10), 986–997. <https://doi.org/10.1177/17531934231192843>

David, R., Hashemi, M., Schatz, L., & Winston, P. (2024). Multisite treatment with percutaneous cryoneurolysis for the upper and lower limb in long-standing post-stroke spasticity. *European Journal of Physical and Rehabilitation Medicine*, *60*(5), 793–797. <https://doi.org/10.23736/S1973-9087.24.08346-1>

de Bruin, M., Smeulders, M. J. C., & Kreulen, M. (2013). Why is joint range of motion limited in patients with cerebral palsy? *The Journal of Hand Surgery, European Volume*, *38*(1), 8–13. <https://doi.org/10.1177/1753193412444401>

De Lepeleere, B., & Fitoussi, F. (2024). Elbow Flexor Release Combined With Selective Neurectomy of Musculocutaneous Nerve for Spastic Elbow Flexion Deformity in Children and Adolescents. *Journal of Pediatric Orthopedics*, *44*(8), e738–e743. <https://doi.org/10.1097/BPO.0000000000002729>

Duquette, S. P., & Adkinson, J. M. (2018). Surgical Management of Spasticity of the Forearm and Wrist. *Hand Clinics*, *34*(4), 487–502. <https://doi.org/10.1016/j.hcl.2018.06.006>

Fahrenkopf, M. P., & Rhee, P. C. (2023). Management of a Thumb-In-Palm Deformity in Adult Patients With Upper Motor Neuron Syndrome. *The Journal of Hand Surgery*, *48*(1), 91.e1-91.e11. <https://doi.org/10.1016/j.jhsa.2022.07.011>

Filippetti, M., Tamburin, S., Di Censo, R., Aldegheri, R., Mantovani, E., Spina, S., Battaglia, M., Baricich, A., Santamato, A., Smania, N., & Picelli, A. (2024). Do Diagnostic Nerve Blocks Affect the Starting Dose of Botulinum Neurotoxin Type A for Spasticity? A Case-Control Study. *Toxins*, *16*(9). <https://doi.org/10.3390/toxins16090388>

Gart, M. S., & Adkinson, J. M. (2018). Considerations in the Management of Upper Extremity Spasticity. *Hand Clinics*, *34*(4), 465–471. <https://doi.org/10.1016/j.hcl.2018.06.004>

Gerami, H., Shahcheraghi, G. H., & Javid, M. (2024). Tendon transfer in spastic cerebral palsy upper limb. *Journal of Pediatric Orthopedics. Part B*, *33*(5), 507–514. <https://doi.org/10.1097/BPB.0000000000001137>

Gohritz, A., & Fridén, J. (2018). Management of Spinal Cord Injury-Induced Upper Extremity Spasticity. *Hand Clinics*, *34*(4), 555–565. <https://doi.org/10.1016/j.hcl.2018.07.001>

Gong, H. S., Cho, H. E., Chung, C. Y., Park, M. S., Lee, H. J., & Baek, G. H. (2014). Early results of anterior elbow release with and without biceps lengthening in patients with cerebral palsy. *The Journal of Hand Surgery*, *39*(5), 902–909. <https://doi.org/10.1016/j.jhsa.2014.02.012>

Gras, M., & Leclercq, C. (2017). Spasticity and hyperselective neurectomy in the upper limb. *Hand Surgery & Rehabilitation*, *36*(6), 391–401. <https://doi.org/10.1016/j.hansur.2017.06.009>

Gschwind, C. R. (2003). Surgical management of forearm pronation. *Hand Clinics*, *19*(4), 649–655. [https://doi.org/10.1016/s0749-0712(03)00030-1](https://doi.org/10.1016/s0749-0712%2803%2900030-1)

Gschwind, C. R., Yeomans, J. L., & Smith, B. J. (2019). Upper limb surgery for severe spasticity after acquired brain injury improves ease of care. *The Journal of Hand Surgery, European Volume*, *44*(9), 898–904. <https://doi.org/10.1177/1753193419866595>

Hareb, F., Bertoncelli, C. M., Rosello, O., Rampal, V., & Solla, F. (2020). Botulinum Toxin in Children with Cerebral Palsy: An Update. *Neuropediatrics*, *51*(1), 1–5. <https://doi.org/10.1055/s-0039-1694988>

Hashemi, M., Sturbois-Nachef, N., Keenan, M. A., & Winston, P. (2021). Surgical Approaches to Upper Limb Spasticity in Adult Patients: A Literature Review. *Frontiers in Rehabilitation Sciences*, *2*, 709969. <https://doi.org/10.3389/fresc.2021.709969>

Helin, M., Bachy, M., Stanchina, C., & Fitoussi, F. (2018). Pronator teres selective neurectomy in children with cerebral palsy. *The Journal of Hand Surgery, European Volume*, *43*(8), 879–884. <https://doi.org/10.1177/1753193418780590>

Ho, J. J. T., Wang, T.-M., Shieh, J.-Y., Wu, K.-W., Huang, S.-C., & Kuo, K. N. (2015). Pronator teres transfer for forearm and wrist deformity in cerebral palsy children. *Journal of Pediatric Orthopedics*, *35*(4), 412–418. <https://doi.org/10.1097/BPO.0000000000000276>

House, J. H., Gwathmey, F. W., & Fidler, M. O. (1981). A dynamic approach to the thumb-in palm deformity in cerebral palsy. *The Journal of Bone and Joint Surgery. American Volume*, *63*(2), 216–225.

Houziaux, G., Seizeur, R., Hu, W., Forli, A., & Perruisseau-Carrier, A. (2024). Cadaveric study of flexor digitorum profundus and superficialis and flexor pollicis longus innervation patterns for application in selective neurectomy. *Hand Surgery & Rehabilitation*, *43*(1), 101629. <https://doi.org/10.1016/j.hansur.2023.12.003>

Hurtado-Olmo, P., González-Santos, Á., Pérez de Rojas, J., Fernández-Martínez, N. F., Del Olmo, L., & Hernández-Cortés, P. (2024). Surgical Treatment in Post-Stroke Spastic Hands: A Systematic Review. *Journal of Clinical Medicine*, *13*(4). <https://doi.org/10.3390/jcm13040945>

Jaloux, C., Bini, N., & Leclercq, C. (2022). Nerve transfers in the forearm: Potential use in spastic conditions. *Surgical and Radiologic Anatomy : SRA*, *44*(8), 1091–1099. <https://doi.org/10.1007/s00276-022-02990-z>

Karchinov, K. (1986). [A method of surgical correction of spastic flexion-adduction contracture of the first finger]. *Ortopediia travmatologiia i protezirovanie*, *2*, 45–46.

Keenan, M. A. (1988). Management of the spastic upper extremity in the neurologically impaired adult. *Clinical Orthopaedics and Related Research*, *233*, 116–125.

Keenan, M. A., Abrams, R. A., Garland, D. E., & Waters, R. L. (1987). Results of fractional lengthening of the finger flexors in adults with upper extremity spasticity. *The Journal of Hand Surgery*, *12*(4), 575–581. [https://doi.org/10.1016/s0363-5023(87)80211-3](https://doi.org/10.1016/s0363-5023%2887%2980211-3)

Keenan, M. A., Korchek, J. I., Botte, M. J., Smith, C. W., & Garland, D. E. (1987). Results of transfer of the flexor digitorum superficialis tendons to the flexor digitorum profundus tendons in adults with acquired spasticity of the hand. *The Journal of Bone and Joint Surgery. American Volume*, *69*(8), 1127–1132.

Keenan, M. A., Todderud, E. P., Henderson, R., & Botte, M. (1987). Management of intrinsic spasticity in the hand with phenol injection or neurectomy of the motor branch of the ulnar nerve. *The Journal of Hand Surgery*, *12*(5 Pt 1), 734–739. [https://doi.org/10.1016/s0363-5023(87)80059-x](https://doi.org/10.1016/s0363-5023%2887%2980059-x)

Kumar, A., & Ho, P.-C. (2022). Novel Use of the Wide-Awake Local Anesthesia No Tourniquet Technique for Release of Spastic Upper Limbs. *Journal of Hand Surgery Global Online*, *4*(6), 442–447. <https://doi.org/10.1016/j.jhsg.2022.05.012>

Lawson, R. D., & Tonkin, M. A. (2003). Surgical management of the thumb in cerebral palsy. *Hand Clinics*, *19*(4), 667–677. [https://doi.org/10.1016/s0749-0712(03)00042-8](https://doi.org/10.1016/s0749-0712%2803%2900042-8)

Leafblad, N. D., & Van Heest, A. E. (2015). Management of the spastic wrist and hand in cerebral palsy. *The Journal of Hand Surgery*, *40*(5), 1035–1040; quiz 1041. <https://doi.org/10.1016/j.jhsa.2014.11.025>

Leclercq, C. (2003). General assessment of the upper limb. *Hand Clinics*, *19*(4), 557–564. [https://doi.org/10.1016/s0749-0712(03)00059-3](https://doi.org/10.1016/s0749-0712%2803%2900059-3)

Leclercq, C. (2018). Selective Neurectomy for the Spastic Upper Extremity. *Hand Clinics*, *34*(4), 537–545. <https://doi.org/10.1016/j.hcl.2018.06.010>

Leclercq, C., & Mertens, P. (2024). Trends and insights review. Nerve procedures in the management of upper limb spasticity. *The Journal of Hand Surgery, European Volume*, *49*(6), 802–811. <https://doi.org/10.1177/17531934241238885>

Leclercq, C., Perruisseau-Carrier, A., Gras, M., Panciera, P., Fulchignoni, C., & Fulchignoni, M. (2021). Hyperselective neurectomy for the treatment of upper limb spasticity in adults and children: A prospective study. *The Journal of Hand Surgery, European Volume*, *46*(7), 708–716. <https://doi.org/10.1177/17531934211027499>

Lin, W., Li, T., Qi, W., Shen, Y., & Xu, W. (2023). Hyperselective neurectomy of thoracodorsal nerve for treatment of the shoulder spasticity: Anatomical study and preliminary clinical results. *Acta Neurochirurgica*, *165*(5), 1179–1188. <https://doi.org/10.1007/s00701-023-05553-2>

Luis-Alejandro, G., & Bárbara, G. (2017). Adductor Tenotomy Combined with Palmar Capsulodesis for Spastic Thumb-in-Palm Deformity in Cerebral Palsy: Description of a Surgical Technique and Clinical  Results. *The Journal of Hand Surgery Asian-Pacific Volume*, *22*(3), 315–319. <https://doi.org/10.1142/S0218810417500368>

Mahan, M. A. (2023). Neurectomies for treatment of stroke-related upper extremity spasticity. *Neurosurgical Focus: Video*, *8*(1), V15. <https://doi.org/10.3171/2022.9.FOCVID22106>

Mahan, M. A., Eli, I., Hamrick, F., Abou-Al-Shaar, H., Shingleton, R., Tucker Balun, K., & Edgley, S. R. (2021). Highly Selective Partial Neurectomies for Spasticity: A Single-Center Experience. *Neurosurgery*, *89*(5), 827–835. <https://doi.org/10.1093/neuros/nyab303>

Maincourt, P., Ramiere, J., Seizeur, R., Hu, W., & Perruisseau-Carrier, A. (2024). [Anatomical cartography of the radial nerve at the elbow level for intraradial nerve transfers for finger extension reconstruction in spastic upper limb—A  cadaveric study]. *Annales de chirurgie plastique et esthetique*, *69*(5), 343–354. <https://doi.org/10.1016/j.anplas.2024.07.005>

Manske, P. R. (1985). Redirection of extensor pollicis longus in the treatment of spastic thumb-in-palm deformity. *The Journal of Hand Surgery*, *10*(4), 553–560. [https://doi.org/10.1016/s0363-5023(85)80082-4](https://doi.org/10.1016/s0363-5023%2885%2980082-4)

Manske, P. R. (1990). Cerebral palsy of the upper extremity. *Hand Clinics*, *6*(4), 697–709.

Manske, P. R., Langewisch, K. R., Strecker, W. B., & Albrecht, M. M. (2001). Anterior elbow release of spastic elbow flexion deformity in children with cerebral palsy. *Journal of Pediatric Orthopedics*, *21*(6), 772–777.

Matev, I. (1991). Surgery of the spastic thumb-in-palm deformity. *Journal of Hand Surgery (Edinburgh, Scotland)*, *16*(2), 127–132. [https://doi.org/10.1016/0266-7681(91)90160-p](https://doi.org/10.1016/0266-7681%2891%2990160-p)

Matsuo, T., Matsuo, A., Hajime, T., Fukumoto, S., Chen, W., & Iwamoto, Y. (2001). Release of flexors and intrinsic muscles for finger spasticity in cerebral palsy. *Clinical Orthopaedics and Related Research*, *384*, 162–168. <https://doi.org/10.1097/00003086-200103000-00019>

Megerle, K., & Gohritz, A. (2024). [Selective Neurectomy in Spastic Paralysis of the Upper Extremity]. *Handchirurgie, Mikrochirurgie, plastische Chirurgie : Organ der Deutschsprachigen Arbeitsgemeinschaft fur Handchirurgie : Organ der Deutschsprachigen  Arbeitsgemeinschaft fur Mikrochirurgie der Peripheren Nerven und Gefasse : Organ  der V...*, *56*(1), 65–73. <https://doi.org/10.1055/a-2248-5699>

Mital, M. A. (1979). Lengthening of the elbow flexors in cerebral palsy. *The Journal of Bone and Joint Surgery. American Volume*, *61*(4), 515–522.

Namdari, S., Baldwin, K., Horneff, J. G., & Keenan, M. A. (2013). Orthopedic evaluation and surgical treatment of the spastic shoulder. *The Orthopedic Clinics of North America*, *44*(4), 605–614. <https://doi.org/10.1016/j.ocl.2013.06.012>

Namdari, S., Horneff, J. G., Baldwin, K., & Keenan, M. A. (2012). Muscle releases to improve passive motion and relieve pain in patients with spastic hemiplegia and elbow flexion contractures. *Journal of Shoulder and Elbow Surgery*, *21*(10), 1357–1362. <https://doi.org/10.1016/j.jse.2011.09.029>

Nixon, M., Zreik, N., & Bakhit, H. (2024). Wrist arthrodesis and soft tissue rebalancing in the spastic hand. *The Journal of Hand Surgery, European Volume*, *49*(4), 420–427. <https://doi.org/10.1177/17531934231205548>

Oishi, S., & Butler, L. (2016). Technique of Pronator Teres Rerouting in Pediatric Patients With Spastic Hemiparesis. *The Journal of Hand Surgery*, *41*(10), e389–e392. <https://doi.org/10.1016/j.jhsa.2016.07.104>

Ozkan, T., & Tunçer, S. (2009). [Tendon transfers for the upper extremity in cerebral palsy]. *Acta orthopaedica et traumatologica turcica*, *43*(2), 135–148. <https://doi.org/10.3944/AOTT.2009.135>

Ozkan, T., Tuncer, S., Aydin, A., Hosbay, Z., & Gulgonen, A. (n.d.). *BRACHIORADIALIS RE-ROUTING FOR THE RESTORATION OF ACTIVE SUPINATION AND CORRECTION OF FOREARM PRONATION DEFORMITY IN CEREBRAL PALSY*.

Parot, C., & Leclercq, C. (2016). Anatomical study of the motor branches of the median nerve to the forearm and guidelines for selective neurectomy. *Surgical and Radiologic Anatomy : SRA*, *38*(5), 597–604. <https://doi.org/10.1007/s00276-015-1593-6>

Patterson, J. M. M., Wang, A. A., & Hutchinson, D. T. (2010). Late deformities following the transfer of the flexor carpi ulnaris to the extensor carpi radialis brevis in children with cerebral palsy. *The Journal of Hand Surgery*, *35*(11), 1774–1778. <https://doi.org/10.1016/j.jhsa.2010.07.014>

Paulos, R., & Leclercq, C. (2015). Motor branches of the ulnar nerve to the forearm: An anatomical study and guidelines for selective neurectomy. *Surgical and Radiologic Anatomy : SRA*, *37*(9), 1043–1048. <https://doi.org/10.1007/s00276-015-1448-1>

Petuchowksi, J., Kieras, K., & Stein, K. (2018). Rehabilitation Strategies Following Surgical Treatment of Upper Extremity Spasticity. *Hand Clinics*, *34*(4), 567–582. <https://doi.org/10.1016/j.hcl.2018.06.013>

Pino, P. A., Crowe, C. S., Wu, K. Y., & Rhee, P. C. (2024). Combined Wrist Extensor Tenodesis and Tendon Transfers for Severe Spastic Flexed Wrist Deformity: Surgical Technique and Case Series. *Techniques in Hand & Upper Extremity Surgery*, *28*(3), 154–159. <https://doi.org/10.1097/BTH.0000000000000479>

Pino, P. A., Wu, K. Y., & Rhee, P. C. (2024). Combined Hyperselective Neurectomy and Fractional Lengthening Technique for Triceps Spasticity. *Techniques in Hand & Upper Extremity Surgery*, *28*(1), 33–38. <https://doi.org/10.1097/BTH.0000000000000455>

Ploegmakers, D. J. M., Van Duijnhoven, H. J. R., Duraku, L. S., Kurt, E., Geurts, A. C. H., & De Jong, T. (2024). Efficacy of selective neurotomy for focal lower limb spasticity: A systematic review. *Journal of Rehabilitation Medicine*, *56*, jrm39947. <https://doi.org/10.2340/jrm.v56.39947>

Pomerance, J. F., & Keenan, M. A. (1996). Correction of severe spastic flexion contractures in the nonfunctional hand. *The Journal of Hand Surgery*, *21*(5), 828–833. [https://doi.org/10.1016/S0363-5023(96)80199-7](https://doi.org/10.1016/S0363-5023%2896%2980199-7)

Pontén, E., von Walden, F., Lenke-Ekholm, C., Zethraeus, B.-M., & Eliasson, A.-C. (2019). Outcome of hand surgery in children with spasticity—A 9-year follow-up study. *Journal of Pediatric Orthopedics. Part B*, *28*(4), 301–308. <https://doi.org/10.1097/BPB.0000000000000600>

Ramström, T., Bunketorp-Käll, L., & Wangdell, J. (2022). The impact of upper limb spasticity-correcting surgery on the everyday life of patients with disabling spasticity: A qualitative analysis. *Disability and Rehabilitation*, *44*(21), 6295–6303. <https://doi.org/10.1080/09638288.2021.1962988>

Rayan, G. M., & Saccone, P. G. (1996). Treatment of spastic thumb-in-palm deformity: A modified extensor pollicis longus tendon rerouting. *The Journal of Hand Surgery*, *21*(5), 834–839. [https://doi.org/10.1016/S0363-5023(96)80200-0](https://doi.org/10.1016/S0363-5023%2896%2980200-0)

Rayan, G. M., & Young, B. T. (1999). Arthrodesis of the spastic wrist. *The Journal of Hand Surgery*, *24*(5), 944–952. <https://doi.org/10.1053/jhsu.1999.0944>

Rhee, P. C. (2019a). Surgical Management of the Spastic Forearm, Wrist, and Hand: Evidence-Based Treatment Recommendations: A Critical Analysis Review. *JBJS Reviews*, *7*(7), e5. <https://doi.org/10.2106/JBJS.RVW.18.00172>

Rhee, P. C. (2019b). Surgical Management of Upper Extremity Deformities in Patients With Upper Motor Neuron Syndrome. *The Journal of Hand Surgery*, *44*(3), 223–235. <https://doi.org/10.1016/j.jhsa.2018.07.019>

Rhee, P. C. (2024). Commentary on Nixon M, Zreik N, Bakhit H. Wrist arthrodesis and soft tissue rebalancing in the spastic hand. J Hand Surg. 2023;0(0).  Doi:10.1177/17531934231205548. *The Journal of Hand Surgery, European Volume*, *49*(4), 428–429. <https://doi.org/10.1177/17531934241230913>

Sagerfors, M., Blaszczyk, I., Chemnitz, A., Johansson, H., & Strömberg, J. (2025). Trends in spasticity-reducing surgery and botulinum toxin treatment for post-stroke spasticity: A register study on 6,258 patients in Sweden, 2010-2021. *Journal of Rehabilitation Medicine*, *57*, jrm42684. <https://doi.org/10.2340/jrm.v57.42684>

Saintyves, G., Genet, F., Allieu, Y., Judet, T., & Denormandie, P. (2011). [Surgical management of spasticity of the intrinsic muscles of the long fingers in adults after cerebral palsy, 68 operated hands]. *Chirurgie de la main*, *30*(1), 46–51. <https://doi.org/10.1016/j.main.2011.01.008>

Sakellarides, H. T., & Kirvin, F. M. (1995). Management of the unbalanced wrist in cerebral palsy by tendon transfer. *Annals of Plastic Surgery*, *35*(1), 90–94. <https://doi.org/10.1097/00000637-199507000-00018>

Sakellarides, H. T., Mital, M. A., Matza, R. A., & Dimakopoulos, P. (1995). Classification and surgical treatment of the thumb-in-palm deformity in cerebral palsy and spastic paralysis. *The Journal of Hand Surgery*, *20*(3), 428–431. [https://doi.org/10.1016/S0363-5023(05)80101-7](https://doi.org/10.1016/S0363-5023%2805%2980101-7)

Schibli, S., & Fridén, J. (2022). Rebalancing the Spastic Wrist by Transposition of Antagonistic Muscle-Tendon Complex. *Techniques in Hand & Upper Extremity Surgery*, *26*(2), 127–130. <https://doi.org/10.1097/BTH.0000000000000371>

Seruya, M. (2016). Pediatric Upper Limb Spasticity. *Seminars in Plastic Surgery*, *30*(1), 3–4. <https://doi.org/10.1055/s-0036-1571300>

Seruya, M., Dickey, R. M., & Fakhro, A. (2016). Surgical Treatment of Pediatric Upper Limb Spasticity: The Wrist and Hand. *Seminars in Plastic Surgery*, *30*(1), 29–38. <https://doi.org/10.1055/s-0035-1571254>

Seruya, M., & Johnson, J. D. (2016). Surgical Treatment of Pediatric Upper Limb Spasticity: The Shoulder. *Seminars in Plastic Surgery*, *30*(1), 45–50. <https://doi.org/10.1055/s-0035-1571253>

Smith, R. J. (1982). Flexor pollicis longus abductor-plasty for spastic thumb-in-palm deformity. *The Journal of Hand Surgery*, *7*(4), 327–334. [https://doi.org/10.1016/s0363-5023(82)80139-1](https://doi.org/10.1016/s0363-5023%2882%2980139-1)

Strecker, W. B., Emanuel, J. P., Dailey, L., & Manske, P. R. (1988). Comparison of pronator tenotomy and pronator rerouting in children with spastic cerebral palsy. *The Journal of Hand Surgery*, *13*(4), 540–543. [https://doi.org/10.1016/s0363-5023(88)80091-1](https://doi.org/10.1016/s0363-5023%2888%2980091-1)

Teles de Oliveira Filho, I., Romero, P. C., Rezende, A. P., Costa, B. B. S., Oliveira, S. D., Fontoura, E. A. F., & Botelho, R. V. (2024). Cervical dorsal rhizotomy for upper limbs spasticity. Case report. *Acta Neurochirurgica*, *166*(1), 157. <https://doi.org/10.1007/s00701-024-06041-x>

Thevenin-Lemoine, C., Denormandie, P., Schnitzler, A., Lautridou, C., Allieu, Y., & Genêt, F. (2013). Flexor origin slide for contracture of spastic finger flexor muscles: A retrospective study. *The Journal of Bone and Joint Surgery. American Volume*, *95*(5), 446–453. <https://doi.org/10.2106/JBJS.K.00190>

Tonkin, M. (2024). Tendon transfers in cerebral palsy: Art or science? *The Journal of Hand Surgery, European Volume*, *49*(3), 390–395. <https://doi.org/10.1177/17531934231210380>

Tonkin, M. A., Hatrick, N. C., Eckersley, J. R., & Couzens, G. (2001). Surgery for cerebral palsy part 3: Classification and operative procedures for thumb deformity. *Journal of Hand Surgery (Edinburgh, Scotland)*, *26*(5), 465–470. <https://doi.org/10.1054/jhsb.2001.0601>

Tonkin, M., Freitas, A., Koman, A., Leclercq, C., & Van Heest, A. (2008). The surgical management of thumb deformity in cerebral palsy. *The Journal of Hand Surgery, European Volume*, *33*(1), 77–80. <https://doi.org/10.1177/1753193407087891>

Tranchida, G. V., & Van Heest, A. (2020). Preferred options and evidence for upper limb surgery for spasticity in cerebral palsy, stroke, and brain injury. *The Journal of Hand Surgery, European Volume*, *45*(1), 34–42. <https://doi.org/10.1177/1753193419878973>

Trehan, S. K., & Little, K. J. (2018). Technical Pearls of Tendon Transfers for Upper Extremity Spasticity. *Hand Clinics*, *34*(4), 529–536. <https://doi.org/10.1016/j.hcl.2018.06.009>

Van Heest, A. E., House, J. H., & Cariello, C. (1999). Upper extremity surgical treatment of cerebral palsy. *The Journal of Hand Surgery*, *24*(2), 323–330. <https://doi.org/10.1053/jhsu.1999.0323>

Waljee, J. F., & Chung, K. C. (2018). Surgical Management of Spasticity of the Thumb and Fingers. *Hand Clinics*, *34*(4), 473–485. <https://doi.org/10.1016/j.hcl.2018.06.005>

Waxweiler, C., Remy, S., Merlini, L., & Leclercq, C. (2022). Nerve transfer in the spastic upper limb: Anatomical feasibility study. *Surgical and Radiologic Anatomy : SRA*, *44*(2), 183–190. <https://doi.org/10.1007/s00276-021-02810-w>

Wood, K. S., & Daluiski, A. (2018). Management of Joint Contractures in the Spastic Upper Extremity. *Hand Clinics*, *34*(4), 517–528. <https://doi.org/10.1016/j.hcl.2018.06.011>

Wu, K. Y., Pino, P. A., Bukowiec, L. G., & Rhee, P. C. (2024). Motor Branching Pattern of the Radial Nerve for Hyperselective Neurectomy: From Anatomy to Clinical Translation. *The Journal of Hand Surgery*, S0363-5023(24)00212-0. <https://doi.org/10.1016/j.jhsa.2024.04.019>

Xu, W. (2025). Harnessing the uninjured hemisphere for treatment of the stroke or brain-injured patient—Evolution of the contralateral C7 transfer. *The Journal of Hand Surgery, European Volume*, 17531934251314640. <https://doi.org/10.1177/17531934251314640>

Yan, Z., Luo, W., Gu, J., Liu, H., Meng, Z., Wang, X., Wei, M., Wang, X., Wang, Y., & Zhang, H. (2025). Anatomic Study and Clinical Application of C7 Nerve Transfer Surgery via the Anterior Vertebral Approach for Central Upper Limb Spastic Paralysis. *The Journal of Craniofacial Surgery*, *36*(1), 309–313. <https://doi.org/10.1097/SCS.0000000000010764>

Yong, L. Y., Wong, C. H. L., Gaston, M., & Lam, W. L. (2018). The Role of Selective Peripheral Neurectomy in the Treatment of Upper Limb Spasticity. *The Journal of Hand Surgery Asian-Pacific Volume*, *23*(2), 181–191. <https://doi.org/10.1142/S2424835518500182>

Yu, A., Shen, Y., Qiu, Y., Jiang, S., Yu, Y., Yin, H., & Xu, W. (2024). Hyperselective neurectomy in the treatment of elbow and wrist spasticity: An anatomical study and incision design. *British Journal of Neurosurgery*, *38*(2), 225–230. <https://doi.org/10.1080/02688697.2020.1823939>

Zancolli, E. A. (2003). Surgical management of the hand in infantile spastic hemiplegia. *Hand Clinics*, *19*(4), 609–629. [https://doi.org/10.1016/s0749-0712(03)00034-9](https://doi.org/10.1016/s0749-0712%2803%2900034-9)

Zerbinati, P., Bemporad, J., Massimiani, A., Bianchini, E., Mazzoli, D., Glorioso, D., Della Vecchia, G., De Luca, A., & De Blasiis, P. (2024). Lateral Pectoral Nerve Identification through Ultrasound-Guided Methylene Blue Injection during Selective Peripheral Neurectomy for Shoulder Spasticity: Proposal for a New Procedure. *Journal of Personalized Medicine*, *14*(1). <https://doi.org/10.3390/jpm14010116>

Zhao, X., Ma, X., Zhao, H., Li, T., Qiu, Y., Shen, Y., Feng, J., & Xu, W. (2024). Unveiling the role of dorsal root ganglia in spasticity reduction: Insights from contralateral seventh cervical nerve cross transfer surgery. *Brain and Behavior*, *14*(7), e3613. <https://doi.org/10.1002/brb3.3613>