



## Peter M. Waters, MD, MMSc

### Bio

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### Education

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- Tufts University - *Bachelor of Arts*
- Tufts University - *Doctor of Medicine*
- Harvard Medical School - *MMSc(Ed)*
- Massachusetts General Hospital - *Pediatric Residency*
- Harvard Combined Orthopedic - *Orthopedic Residency*
- Cottage Hospital (Santa Barbara, California) - *General Surgery Fellowship*
- Boston Children's Hospital - *Sports Medicine Fellowship*
- Bringham & Women's Hospital - *Hand & Upper Extremity Fellowship*
- Institute de la Main (Paris, France) - *Edwin Cave Traveling Fellowship*

**P: (704) 323-2426**

**Patient Rating:**  
5 out of 5 Stars

### LOCATIONS

- Brachial Plexus and Limb Paralysis Center
- Congenital Hand Clinic
- Hand Center
- Pediatric Orthopedic Center

### CLINICAL SPECIALTIES

- Pediatric
- Hand
- Specialties
- Pediatric

### Practice

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Adult & Pediatric Hand Surgeon

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Academic Appointments

- Professor of Orthopedic Surgery Atrium Musculoskeletal Institute

### Awards

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**Top Doctors 2023- Castle Connolly**

### Research

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**Original Peer-Reviewed Articles**

Waters PM, Strick P. Influence of strategy on muscle activity during ballistic movements. *J Brain Res*, 1981; 207: 189-194.

Waters PM, Lipson SJ. Modification of the degenerative response in experimental intervertebral disk herniation in rabbits. *J Spinal Disorders* 1988; 1(1):81-5. PMID: 2980066

Waters PM, Kurica K, Hall H, Micheli L. Salter innominate osteotomies in congenital dislocation of the hip. *J Ped Orthop* 1988; 8: 650-655.

Waters PM, Millis MB. Hip and pelvic injuries in the young athlete. *Clin Sports Med*. 1988 Jul;7(3):513-26. Review. PMID: 3042159.

Waters PM, Welch K, Micheli L, Shamberger R, Hall J. Scoliosis in children with pectus excavatum and pectus carinatum. *J Ped Orthop* 1989; 9: 551-556.

Micheli LJ, Waters PM, Sanders DP. Sliding fibular graft repair for chronic dislocation of the peroneal tendons. *Am J Sports Med* 1989; Jan-Feb;17(1):68-71. PMID: 2929839

Bayley JC, Waters PM. Irreducible total hip dislocation due to component interlocking. *Orthopedics*. 1990 May;13(5):567-569. No abstract available. PMID: 2352905

Waters PM, Kasser J. Infection of infra-patellar bursa. *J Bone Joint Surg* 1990; 72A:10095-10096.

Schwartz JT Jr, Waters PM, Laurencin CT. Sciatic-nerve palsy associated with retained plastic shot container in a shotgun injury. A case report. *J Bone Joint Surg Am*. 1991 Apr;73(4):607-9. No abstract available. PMID: 2013601

Campbell CC, Waters PM, Emans JB. Excision of the radial head for congenital dislocation. *J Bone Joint Surg Am*. 1992 Jun;74(5):726-33. PMID: 1624487

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Waters PM, Schwartz JT. Posterior interosseous nerve: an anatomic study of potential nerve grafts. *J Hand Surg Am*. 1993 Jul;18(4):743-5. PMID: 8349994

Waters PM, Benson LS. Dislocation of the distal phalanx epiphysis in toddlers. *J Hand Surg Am.* 1993 Jul;18(4):581-5. PMID: 8349960

Troum S, Floyd WE 3rd, Waters PM. Posterior dislocation of the humeral head in infancy associated with obstetrical paralysis. A case report. *J Bone Joint Surg Am.* 1993 Sep;75(9):1370-5. No abstract available. PMID: 8408159

Waters PM, Kolettis GJ, Schwend R. Acute median neuropathy following physeal fractures of the distal radius. *J Pediatr Orthop.* 1994 Mar-Apr;14(2):173-7. PMID: 8188829

Rodgers WB, Waters PM. Incidence of trigger digits in newborns. *J Hand Surg Am.* 1994 May;19(3):364-8. PMID: 8056959

Mintzer CM, Waters PM, Brown DJ, Kasser JR. Percutaneous pinning in the treatment of displaced lateral condyle fractures. *J Pediatr Orthop.* 1994 Jul-Aug;14(4):462-5. PMID: 8077428

Mintzer CM, Waters P. Acute open reduction of a displaced scaphoid fracture in a child. *J Hand Surg Am.* 1994 Sep;19(5):760-1. No abstract available. PMID: 7806796

Mintzer CM, Waters PM, Brown DJ. Remodeling of a displaced phalangeal neck fracture. *J Hand Surg Br.* 1994 Oct;19(5):594-6. PMID: 7822916

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Ring D, Waters PM. Management of fractures and dislocations of the elbow in children. *Acta Orthop Belg*. 1996;62 Suppl 1:58-65. Review. PMID: 9084560

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Waters PM. Obstetric Brachial Plexus Injuries: Evaluation and Management. *J Am Acad Orthop Surg*. 1997 Jul;5(4):205-214. PMID: 10797223

Jaramillo D, Waters PM. MR imaging of the normal developmental anatomy of the elbow. *Magn Reson Imaging Clin N Am*. 1997 Aug;5(3):501-13. PMID: 9219715

Waters PM, Van Heest A. Spastic hemiplegia of the upper extremity in children. *Hand Clin.* 1998 Feb;14(1):119-34. Review. PMID: 9526161

Gill TJ, Waters P. Valgus osteotomy of the humeral neck for the treatment of humerus varus. *J Shoulder and Elbow* 1997; 6(3):306-10.

Waters PM, Smith GR, Jaramillo D. Glenohmeral deformity secondary to brachial plexus birth palsy. *J Bone Joint Surg Am.* 1998 May;80(5):668-77. PMID: 9611027

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Lins RE, Simovitch RW, Waters PM. Pediatric elbow trauma. *Orthop Clin North Am.* 1999 Jan;30(1):119-32. Review. PMID: 9882730

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Kocher MS, Waters PM, Micheli LJ. Upper extremity injuries in the paediatric athlete. *Sports Med* 2000 Aug; 30(2):117-35. Review. PMID: 10966151

Paterson PD, Waters PM. Shoulder injuries in the childhood athlete. *Clin Sports Med*. 2000 Oct;19(4):681-92. Review. PMID: 11019735

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Kennedy JG, Hresko MT, Kasser JR, Shrock KB, Zurakowski D, Waters PM, Millis MB. Osteonecrosis of the femoral head associated with slipped capital femoral epiphysis. *J Pediatr Orthop* 2001 Mar-Apr;21(2):189-93. PMID: 11242248

Ring D, Waters PM, Hotchkiss RN, Kasser JR. Pediatric floating elbow. *J Pediatr Orthop*. 2001 Jul-Aug;21(4):456-9. PMID: 11433156

Kaawach W, Ecklund K, Canzio J, Zurakowski D, Waters PM. Normal ranges of scapholunate distance in children 6 to 14 years old. *J Pediatr Orthop* 2001 Jul-Aug;21(4):464-7. PMID: 11433158

Waters PM, Stewart SL Radial neck fracture nonunion in children. *J Pediatr Orthop*. 2001 Sep-Oct;21(5):570-6. PMID: 11521020

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Remia LF, Richards K, Waters PM. The Bryan-Morrey triceps-sparing approach to open reduction of T-condylar humeral fractures in adolescents: cybex evaluation of triceps function and elbow motion. *J Pediatr Orthop* 2004 Nov-Dec;24(6):615-9. PMID: 15502557

Waters PM. Update on management of pediatric brachial plexus palsy. *J Pediatr Orthop*. 2005 Jan-Feb;25(1):116-26. Review. PMID: 15614072

Waters PM, Bae DS. The effect of tendon transfers and extra-articular soft-tissue balancing on glenohumeral development in brachial plexus birth palsy. *J Bone Joint Surg Am*. 2005 Feb;87(2):320-5. PMID: 15687154

Waters PM. Update on management of pediatric brachial plexus palsy. *J Pediatr Orthop B*. 2005 Jul;14(4):233-44. Review. PMID: 15931025

Miller BS, Taylor B, Widmann RF, Bae DS, Snyder BD, Waters PM. Cast immobilization versus percutaneous pin fixation of displaced radius fractures in children: a prospective, randomized study. *J Pediatr Orthop*. 2005 Jul-Aug;25(4):490-4. PMID: 15958902

Bae DS, Waters PM, Sampson CE. Use of free vascularized fibular graft for congenital ulnar pseudarthrosis: surgical decision making in the growing child. *J Pediatr Orthop* 2005 Nov-Dec;25(6):755-62. PMID: 16294132

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Shah A, Kuo A, Zurakowski D, Waters PM. Use and satisfaction of the internet in obtaining information on brachial plexus birth palsies and its influence on decision-making. *J Pediatr Orthop*. 2006 Nov-Dec;26(6):781-4. PMID: 17065946

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