

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.

NAME Peter M. Waters, M.D.	POSITION TITLE Professor in Orthopaedic Surgery, Harvard Medical School		
eRA COMMONS USER NAME	Associate Chief, Orthopaedic Surgery, Children's Hospital Boston		
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Tufts University, Boston, Massachusetts	BA	1977	Medicine
Tufts University, Boston, Massachusetts	MD	1981	
Harvard Combined Orthopaedic Surgery Program, Boston, Massachusetts	Resident	1984-1987	
Brigham and Women's Hospital, & Children's Hospital, Boston, Massachusetts	Fellow	1988-1989	

A. Positions and HonorsAcademic Appointments

1989 - Present Instructor in Orthopaedic Surgery, Harvard Medical School
 1993 - Present Assistant Professor in Orthopaedic Surgery, Harvard Medical School
 1998 - 2005 Associate Professor in Orthopaedic Surgery, Harvard Medical School
 2005 Professor in Orthopaedic Surgery Harvard Medical School

Hospital Appointments

1989 - 2005 Assistant in Orthopaedic Surgery, Children's Hospital Boston, Boston, MA
 1989 - Present Assistant in Orthopaedic Surgery, Brigham and Women's Hospital, Boston, Massachusetts
 1990 - Present Assistant in Orthopaedic Surgery, Faulkner Hospital, Jamaica Plain, Massachusetts
 1991 - 2002 Assistant in Orthopaedic Surgery, New England Baptist Hospital, Boston, Massachusetts
 1993 - Present Assistant in Orthopaedic Surgery, Beth Israel Hospital, Boston, Massachusetts
 2005 - Present Associate Chief, Orthopaedic Surgery, Children's Hospital Boston, Boston, MA

B. Selected peer-reviewed publications (in chronological order).

1. Kocher MS, Waters PM, Micheli LJ: Upper Extremity Injuries in the Pediatric Athlete. Sports Med 2000 Aug;30 (2): 117-135
2. Reitman R, Waters PM, Millis M: Open Reduction and Internal Fixation for Supracondylar Humerus Fractures in Children. J Ped Ortho. 2001; 21(2):157-61.
3. 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 Ped Ortho. 2001;21(2):189-93.
4. Kaawach W, Ecklund K, Canzio J, Zurakowski D, Waters PM: Normal Ranges of Scapholunate Distance in Children 6-14 Years of Age, J Ped Ortho. 2001;21:464-467.
5. Bae D, Waters PM: Surgical Treatment of Post-Traumatic Elbow Contracture in Adolescents. J Ped ortho. 2001;21:580-584.
6. Bae D, Kadiyala RK, Waters PM: Acute Compartment Syndrome in Children: Contemporary Diagnosis, Treatment and Outcome. J Ped Ortho. 2001;21:680-688.
7. Waters PM, Stewart S: Radial Neck Fracture Nonunion in Children. J Ped Ortho. 2001;21:570-576
8. Ring D, Waters PM, Hotchkiss RN, Kasser JR: Pediatric Floating Elbow. J Ped Ortho. 2001;21(4):456-459.
9. Micheli L, Luke AC, Mintzer CM, Waters PM: Elbow Arthroscopy in Pediatric and Adolescent Population. J Arthroscop Relat Surg 2001;17(7)694-699.
10. Waters PM, Stewart S: Surgical Treatment of Non-union and Avascular Necrosis of the Proximal

- Scaphoid in Adolescents. J Bone and Joint Surg. 2002;84-A(6)915-920.
11. Waters PM, Bae D, Montgomery K: The Surgical Management of Post-Traumatic Distal Radial Growth Arrest in Adolescents. J Ped Ortho 2002, 22:717-724.
 12. Waters PM, Bae D, Kadiyala R: Short-Term Outcomes After Surgical Treatment of Traumatic Posterior Sternoclavicular Fracture-Dislocations in Children and Adolescents. J Ped Ortho 2003; 23:464-469.
 13. Bae D, Waters PM, Zurakowski D: Reliability of Three Classification Systems Measuring Active Motion in Brachial Plexus Birth Palsy. J Bone Joint Surg 2003: 85-A (9) 1733-1738.
 14. Bae D, Waters PM: The Use of Early Flap Coverage in Severe Open Physeal Fractures: A Report of Two Cases, J Ortho Trauma, 2003;17(6) 450-458.
 15. Flynn JM, Sarwark JF, Waters PM, Bae DS, Powers Lemke L: The Operative Management of Pediatric Fracture of the Upper Extremity. J Bone Joint Surg 2002;84-A(11)2078-2089.
 16. Waters PM, Zurakowski D, Patterson P, Bae D, Nimec D: Interobserver and Intraobserver Reliability of Therapist-Assisted Videotaped Evaluations of Upper-Limb Hemiplegia. J Hand Surg 2004;29A: 328-334.
 17. Cornwall R, Waters PM: Remodeling of Phalangeal Neck Fracture Malunions in Children: Case Report. J Hand Surg 2004;29A:458-461.
 18. Waters PM, Taylor BA, Kuo AY: Precutaneous Reduction of Incipient Malunion of Phalangeal Neck Fractures in Children. J Hand Surg 2004;29A:707-711.
 19. Waters PM: The Bryan-Morrey Triceps-Sparing Approach to Open Reduction of T-Condylar Humeral Fractures in Adolescents. J Ped Ortho 2004;24(6): 615-619.
 20. Ponce B, Hedequist D, Zurakowski D, Atkinson C, Waters P: Complications and Timing of Follow-up After Closed Reductoin and Percutaneous Pinning of Supracondylar Humerus Fractures. J Ped Ortho 2004; 24:610-614.
 21. Waters PM, Bae DS: Brachial Plexus Birth Palsy: Rationale for a Multicenter Prospective Study. Seminars in Plastic Surgery. 2004;18(4) 377-384.
 22. Waters PM, Bae DS: Brachial Plexus Birth Palsy: The Boston Children's Hospital Experience. Seminars in Plastic Surgery. 2004;18(4) 275-283.
 23. Waters PM: Update on Management of Pediatric Brachial Plexus Palsy. J Ped Ortho 2005;1:116-126
 24. McCann M, Waters P, Goumnerova L, Berdr C: Self-Mutilation in Young Children following Perinatal Brachial Plexus Injury. Pain 110(2004) 123-129.
 25. Miller BS, Taylor B, Widmann RF, Bae DS, Waters PM: Cast Immobilization versus Percutaneous Pin Fixation of Displaced Distal Radius Fractures in Children: A Prospective, Randomized Study. J Ped Ortho (in press)
 26. Waters PM, Bae DS: The Effect of Tendon Transfers and Extra-Articular Soft-Tissue Balancing n Glenohumeral Development in Brachial Plexus Birth Palsy. J Bone Joint Surg 2005;87-A(2)320-325.

C. Research Support

Completed

AO International (Waters, Co-PI) Non-Invasive Measurement of Distal Radius Fracture Instability	1996--1997
American Fracture Association Resident Grant (Waters, Co-PI) The Effect of Pinning across the Physis for Stabilization of Fractures in Children: An MRI Evaluation	1998-1999
AO North America (Waters, Co-PI) The Effect of Pinning across the Physis for Stabilization of Fractures in Children: An MRI Evaluation	1998-1999
American Society for Surgery of the Hand (Waters, PI) Multi-Center Randomized Clinical Trial on Microsurgery for Brachial Plexus Birth Palsies	2002-2004
Pediatric Orthopedic Society of North America (Waters, PI) Multi-Center Randomized Clinical Trial on Microsurgery for Brachial Plexus Birth Palsies	2002-2004