

## CURRICULUM VITAE

Robert Scott Cowan, M.D.

LICENSE: Massachusetts, 73111, July 1990.  
Connecticut, 040212, March 2002

### EDUCATION:

#### COLLEGE:

Brown University; graduated June 1982, A.B. Degree Biology.

University of Maryland; graduated August 1984, M.S. Degree in Anatomy. Thesis: Computer program which simulates function of the extra-ocular musculature.

#### MEDICAL SCHOOL:

Boston University School of Medicine, Boston, MA, graduated May, 1988. Honors: Histology, Neuroscience, Pathophysiology Orthopedic Surgery, Rheumatology.

#### INTERNSHIP:

St. Elizabeth's Hospital, Brighton, MA, General Surgery  
July 1988 - June 1989.

#### RESIDENCY:

Boston University Program in Orthopedic Surgery, Resident from  
July 1989 - June 1993 (Including Chief Residency).

#### FELLOWSHIP:

Spinal Surgery Fellowship, New England Baptist Hospital,  
Boston, MA. August 1993 - July 1994.

#### ACADEMIC APPOINTMENTS:

Assistant Clinical Professor of Orthopedic Surgery, Boston University School of Medicine, Boston, MA 1996 to present

Instructional Faculty SpineTech, Inc., Interbody Fusion Cage System, 1996-present.

Clinical Instructor Orthopedic Surgery, Tufts University School Of Medicine, Boston, MA

Surgical Quality Improvement Committee, Baystate Medical Center 2006 - Present.

Reimbursement & Risk Sharing Advisory Council, Baycare Health Partners 2009 – Present

Reimbursement & Risk Sharing Committee, Baycare Health Partners 2009 – Present

Spine Performance Improvement Committee, Baystate Medical Center 2010 - Present

#### EMPLOYMENT:

East Boston Neighborhood Health Center, Boston, Massachusetts  
Staff Orthopedist. July 1992 - July 1994.

New England Orthopedic Surgeons, 300 Birnie Avenue,  
Springfield, MA. August 1994 to present.

Blackstone Medical, Springfield, MA, Consultant, 1996 to 2000.

Dupuy Spine, Raynam, MA, Consultant, 2005 to present.

#### APPOINTMENTS:

Attending Staff: Baystate Medical Center, Springfield, MA.  
Mercy Medical Center, Springfield, MA. Resigned 6/30/10  
Shriners Hospital for Children, Springfield, MA

#### BOARD CERTIFICATION:

The American Board of Orthopedic Surgery, 1996. Recertified 2005

PROFESSIONAL ORGANIZATIONS:

American Academy of Orthopedic Surgeons, Fellow  
Massachusetts Medical Society  
American Medical Association  
New England Spine Study Group  
North American Spine Society

PRESENTATIONS:

Spinal Care in the Aging Athlete, Sports Medicine Conference,  
September 2006.

Total Disc Arthroplasty, CEU program at St. Paul's Travelers  
Insurance, September 2006.

Use of Sextant Implants in Lumbar Spine Surgery, New England Spine  
Study Group Meeting, January 2003

Cervical Fusion Using BAK-C Cage Implants, New England Spine  
Study Group Meeting, January 2002

Finite Element Analysis of the Lumbar Spine, New England Spine  
Study Group Meeting, January 2001  
Anterior/Posterior Fusion for Adult Spondylolisthesis, New England  
Spine Study Group Meeting, February 2000

Surgical Indications and Options for Low Back Pain, Spine Care for  
Primary Care Providers, Spine Institute of New England, May 1998

Concepts in Spine Care, Case Management Society of New England  
Annual Meeting, April 1998

Anterior Lumbar Interbody Fusion with Titanium Cages, New England  
Spine Study Group, August 1997, February 1998, August 1998

Sports Related Injuries of the Spine, Office Based Sports  
Medicine Conference, Baystate Medical Center, March, 1995.

Scoliosis Update, Pediatric Grand Rounds, Baystate Medical  
Center, January, 1995.

A Multicenter Evaluation of Fixation and Fusion of the Lumbar Spine with Pedicle Screws, New England Spine Study Group Meeting, January, 1995.

Management of Adult Lumbar Spine Disease, Orthopedic Grand Rounds, University of Massachusetts Medical Center, December, 1994.

Cervical Spine Disease, Orthopedics in Primary Care Conference, Baystate Medical Center, November, 1994.

Pedicle Screw Fixation of the Lumbar Spine, North American Spine Society Meeting, October, 1994.

Pedicle Screw Fixation of the Lumbar Spine, New England Orthopedic Surgeons Meeting, October 1994

Low Back Pain in Adults and Children, Orthopedics in Primary Care Conference. November 18, 1993.

Clinical Efficacy of FBI Bone Stimulators in Lumbar Spine Fusions. Otto AuFranc Meeting, October 9, 1993. New England Spine Fixation Study Group, January 17, 1994.

Decompensation Following Cotrel Dubousset Instrumentation of Idiopathic Scoliosis. The Leon Kruger Visiting Professorship, Springfield Shriners Hospital. May 5, 1992.

Metastatic Disease to Bone. Grand Rounds, Baystate Medical Center, December 13, 1991.

#### PUBLICATIONS:

Cowan RS and J Sklar. Decompensation following Cotrel Dubousset Instrumentation of Idiopathic Scoliosis. Orthopedic Transactions. 1993.

Yablon IG and RS Cowan. Migration of a Harrington Rod Following Cervical Fusion. Spine 18,3:356, 1993.

Yablon IG et.al. The Ascending Cord Syndrome--The Effect of Decompression. American Spinal Injury Association Meeting. March, 1987.

Renne H and RS Cowan. The Role of Dietary Protein in the Development of Glomerular Structural Alterations in Long Term Experimental Diabetes Mellitus, *Kidney International*, 29:289, 1986.

Yablon IG et.al. Anterior Decompression and Rigid Internal Fixation of Cervical Spine Injuries. *Paraplegia*, 24:49, 1986

Healy W, Danziger M, Wexler M, and Cowan RS. Comparison of the Direct Lateral to the Posterior Approach to the Total Hip Arthroplasty. Submitted.

Cowan RS and LM Kruger, Orthopedic Management of Klippel-Trenauney Syndrome. Prepared for submission.

## COURSES

North American Spine Society Annual Meeting, New Orleans LA, 11/1/00 to 11/4/00

New England Spine Study Group Summer Meeting, Brattleboro VT, 8/1/01

North American Spine Society Annual Meeting, Seattle WA 10/31/01 to 11/2/01

New England Spine Study Group Winter Meeting, Framingham MA 1/25/02

Minimally Invasive Lumbar Spine Surgery, New England Baptist Hospital, Boston MA 9/13/02 to 9/19/02

North American Spine Society Annual Meeting, Montreal Canada 10/28/02 to 11/1/02

New England Spine Study Group Winter Meeting, Framingham MA 1/25/03

Clinical Challenge – Interbody Fusion Symposium, Cape Cod, Massachusetts, 9/5/03 to 9/6/03

New England Spine Study Group Summer Meeting, Brewster MA, 10/10/03

American Academy of Orthopedic Surgeons Annual Meeting, San Francisco, CA  
2004

North American Spine Society Annual Meeting, Chicago IL, 2004

American Academy of Orthopedic Surgeons Annual Meeting, Washington DC,  
2005

American Board of Orthopedic Surgeons Recertification Exam 4/1/05

North American Spine Society Annual Meeting, Philadelphia PA, 2005

New England Spine Study Group Winter Meeting, Southbridge MA, 2006

North American Spine Society Annual Meeting, Austin TX 2007

Innovations in Neuromodulation Symposium, Miami, FL 2008

North American Spine Society Annual Meeting, San Francisco CA 2009

New England Spine Study Group Meeting, January 2011

Self Assessment Exam

Monthly Surgical Quality Improvement Committee Meetings Baystate Medical  
Center

New England Spine Study Group Summer Meeting, August 2011

North American Spine Society Annual Meeting, Chicago, IL 2011

Orthopedic In-Training Exam 2012

New England Spine Study Group Winter Meeting, January 2012

Cutting Edge Orthopaedics, April 2012

North American Spine Society Annual Meeting, Dallas, TX 2012

“When Bad Things Happen to Good Doctors”, November 2012