

## Curriculum Vitae

**Richard M. Seldes, M.D.**

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### **Hospital Appointments:**

St. Vincent's Medical Center, Manhattan  
North Shore University Hospital, Forest Hills  
North Shore University Hospital, Manhasset  
Maimonides Hospital, Brooklyn

### **Board Certification:**

American Board of Orthopaedic Surgery

### **Fellowship Training:**

2000-01 Adult Reconstruction Fellowship, The Hospital for  
Special Surgery, New York

### **Residency Training**

1999-00 Sports Medicine Chief Resident, Pennsylvania  
Hospital, Booth, Bartolozzi, Balderston  
Orthopaedics, Philadelphia  
1998-99 Chief Orthopaedic Surgery Resident, Hospital of  
the University of Pennsylvania, Philadelphia  
1996-97 Postdoctoral Research Fellowship Orthopaedic  
Surgery, McKay Laboratory, University of  
Pennsylvania, Philadelphia  
1995- 98 Resident in Orthopaedic Surgery, Hospital of the  
University of Pennsylvania, Philadelphia

### **Internship Training**

1994-95 Internship in Surgery, Hospital of the University of  
Pennsylvania, Philadelphia

**Education:**

1990-94 M.D. University of Pennsylvania Medical School  
1986-90 B.A. Johns Hopkins University (Biology)

**Faculty Appointments:**

1996-1997 Instructor in Anatomy, University of  
Pennsylvania  
School of Medicine

**Medical Licensure:**

Medical Physician and Surgeon of New York  
Medicine and Surgery, New Jersey

**Committee Appointments and Elected Positions:**

2002-3 **Assistant Director**, Department of Orthopaedic Surgery,  
North Shore University Hospital at Forest Hills

2002-3 **Advisory Committee**, Arthritis Foundation, New York  
Chapter, Brooklyn

2001-3 **Quality Management**, Department of Orthopaedic  
Surgery, North Shore University Hospital at Forest Hills

2000 **Organizer, Senior Health Day**, North Shore University  
Hospital at Forest Hills

1998 **Administrative Chief Resident**, Department of  
Orthopaedic Surgery, The Hospital of the University of  
Pennsylvania

1998 **Admissions Committee**, Department of Orthopaedic  
Surgery, The Hospital of the University of Pennsylvania

1998 **Grand Rounds Committee**, Department of Orthopaedic  
Surgery, The Hospital of the University of Pennsylvania

1997 **Pennsylvania State In-line Skating Safety Committee and Campaign**, Pennsylvania State Committee on Trauma

**Awards and Honors**

1999 **Leonard Marmor Surgical Arthritis Foundation Award for Excellence in Adult Reconstruction**

1998 **Pennsylvania Orthopaedic Society Research Award**  
“Contribution of the Acetabular Labrum to Articulating Surface Area and Femoral Head Coverage in Adult Hip Joints: A Study in Cadavera.”

1998 **Eastern Orthopaedic Association Research Award**  
“Hip Fracture in Elderly Patients: An Orthopaedic Emergency”

1998 **American Orthopaedic Association Zimmer Research Traveling Award**  
“Hip Fracture in Elderly Patients: An Orthopaedic Emergency”

1997 **Philadelphia Orthopaedic Sports Medicine Society Research Award**  
“Predictors of injury from recreational in-line skating: A national study”

**Editorial Positions:**

1997-98 **Editor-in-Chief**, The University of Pennsylvania Orthopaedic Journal

1996-97 **Managing Editor**, The University of Pennsylvania Orthopaedic Journal

**Memberships in Professional and Scientific Societies:**

American Medical Association  
American Academy of Orthopaedic Surgeons  
Eastern Orthopaedic Association  
Medical Society of the State of New York  
Arthroscopy Association of North America

### **Current Research:**

Gentamicin in cement: An efficacious and cost-effective cement spacer for infected total joint arthroplasty. – submitted JBJS

Prospective randomized study of 28mm vs. 36mm heads with total hip replacement.

### **Publications:**

**Seldes, R.M.**, Tan, V., Hunt, J., Katz, M., Winiarsky, R., and Fitzgerald, R.H.: “The Gross, Histologic, and Microvascular Anatomy of the Adult Acetabular Labrum and Labral Tears.” *Clinical Orthopaedics and Related Research*, 2001.

Brighton, C.T., Wang, W., **Seldes, R.M** and Pollack, S.R.: Signal Transduction Electrically Stimulated Bone Cells. *Journal of Bone and Joint Surgery*, Vol 83-A, 2001.

Bederman, S., Winiarsky, R., **Seldes, R.M.**, Sharrock, N, and Sculco, T.: “Post-operative Ileus in the Total Joint Arthroplasty Patient.” *Journal of Arthroplasty*, 2001

Tan, V., **Seldes, R.M.**, Katz, M. A, Freedhand, A.M., Klimkiewicz, J.J., and Fitzgerald, R.H.: Contribution of Acetabular Labrum to Articulating Surface Area and Femoral Head Coverage in Adult Hip Joints: An Anatomic Study in Cadavera. *American Journal of Orthopaedics*, 2001

Katz, M.A., Beck, T.B., Silber, J.S., **Seldes, R.M.**, and Lotke, P.A.: Determining Femoral Rotational Alignment in Total Knee Arthroplasty: A comparison of Techniques. *Journal of Arthroplasty*, 2001.

Tan, V., Glaser, D., Pepe, M.D., **Seldes, R.M.**, Heppenstall, R.B., and Esterhai Jr, J.L.: Continuous Monitoring Of Well-Leg Compartment Pressures During Hemilithotomy Position In Patients Undergoing Intramedullary Rodding Of The Contralateral Femur. *Journal of Trauma*, 2000.

**Seldes, R.M.**, Grisso, J.A., Pavell, J.R., Berlin, J.A., Tan, V., Bowman, B., and Fitzgerald, R.H.: Predictors of injury from recreational in-line skating: A national study. *American Journal of Public Health*. 89, 238-241, 1999.

- Seldes, R.M.**, Tan, V., Duffy, G., Rand, J.A., and Lotke, P.A.: Total knee arthroplasty for steroid induced osteonecrosis of the knee. *Journal of Arthroplasty*, 14, 1999.
- Scherbel, U., Winiarsky, R., **Seldes, R.M.**, Troidl, H., and Fitzgerald, R.H.: Hip Fracture in Elderly Patients: An Orthopaedic Emergency. Submitted, 2000.
- Seldes, R.M.**, An, K., and Fitzgerald, R.H.: A simple and highly effective jig for proximal tibial osteotomy. Submitted 2000.
- Lorich, D.G., Brighton, C.T., Gupta, R., Corsetti, J.R., Levine, S.E., Gelb, I.D., **Seldes, R.M.**, and Pollack, S.M.: The biochemical pathway mediating the proliferative response of bone cells to a capacitively coupled electric field. *Clinical Orthopaedics and Related Research*. 350, 246-256, 1998.
- Reilly, T.M., **Seldes, R.M.**, Luchetti, W., and Brighton, C.T.: Similarities in the phenotypic expression of pericytes and bone cells. *Clinical Orthopaedics and Related Research*. 346, 95-103, 1998.
- Zhuang, H., Wang, W., **Seldes, R.M.**, Tahernia, A.D., and Brighton, C.T.: Electrical stimulation induces the level of TGF- $\beta$  mRNA in osteoblastic cells by a mechanism involving the calcium/calmodulin pathway. *Biochemical and Biophysical Research Communications*, 237:225-229, 1997.
- Wang, W., Zhuang, H., Levitz, C.L., Fan, H., **Seldes, R.M.**, Tahernia, A.D., and Brighton, C.T.: The increased level of PDGF-A contributes to the increased proliferation induced by mechanical stimulation in osteoblastic cells. *Biochemistry and Molecular Biology International*, 43: 339-346, 1997.
- Seldes, R.M.**, Glasgow, S.G., and Torg, J.S.: Atraumatic spontaneous hemarthrosis associated with Lyme arthritis: A case report. *Clinical Orthopaedics and Related Research*. 297: 269-71, 1993.
- Seldes, R.M.**, Glasgow, S.G., and Torg, J.S.: Lyme disease: A case report and review of literature. *The University of Pennsylvania Orthopaedic Journal*. Vol. 9, 1993.

## **Presentations:**

**Seldes, R.M.**, Tan, V., Hunt, J., Katz, M., Winiarsky, R., and Fitzgerald, R.H.: “The Gross, Histologic, and Microvascular Anatomy of the Adult Acetabular Labrum and Labral Tears.” - American Academy of Orthopaedic Surgeons 66<sup>th</sup> Annual Meeting, Anaheim, CA, February 4-8, 1999.

**Seldes, R.M.**, Winiarsky, R., Scherbel, U., Troidl, H., and Fitzgerald, R.H.: “Hip Fracture in Elderly Patients: An Orthopaedic Emergency” - Eastern Orthopaedic Association 29<sup>th</sup> Annual Meeting, Dorado, Puerto Rico, October 14-18, 1998.

Tan, V., Glaser, D., Pepe, M.D., **Seldes, R.M.**, Heppenstall, R.B., and Esterhai Jr, J.L.: “Continuous Monitoring Of Well-Leg Compartment Pressures During Hemilithotomy Position In Patients Undergoing Intramedullary Rodding Of The Contralateral Femur.” - Eastern Orthopaedic Association 29<sup>th</sup> Annual Meeting, Dorado, Puerto Rico, October 14-18, 1998.

**Seldes, R.M.**, Winiarsky, R., Scherbel, U., Carrigan, R., Troidl, H., and Fitzgerald, R.H.: “Comparison of the Hip Fracture Experience in European and United States Medical Centers.” International Meeting on Trauma and Outcomes, Cologne, Germany, October 7-11, 1998.

Tan, V., **Seldes, R.M.**, Katz, M., Freedhand, A., and Fitzgerald, R.H.: “Contribution of the Acetabular Labrum to Articulating Surface Area and Femoral Head Coverage in Adult Hip Joints: A Study in Cadavera.” Pennsylvania Orthopaedic Society Meeting, Hershey, Pennsylvania, November 19-21, 1998.

Hunt, J.L., **Seldes, R.M.**, Fitzgerald, R.H., and Gannon, F.H.: “Histopathology of the Acetabular Labrum.” 22nd Congress of the International Academy of Pathology. Nice, France, October 18-23, 1998.

Klimkiewicz, J.J., Winiarsky, R., **Seldes, R.M.**, and Fitzgerald, R.H.: “The Role of Arthroscopy in Treating Acetabular Labral Lesions” - Residents and Fellows Arthroscopy Conference, Scottsdale, Arizona, April 16-19, 1998.

Winiarsky, R., **Seldes, R.M.**, Scherbel, U., Troidl, H., and Fitzgerald, R.H.: “Hip Fracture in Elderly Patients: An Orthopaedic Emergency” - American Orthopaedic Association 31<sup>st</sup> Annual Residents’ Conference, Sacramento, California, February 20-22, 1998.

- Seldes, R.M.**, Grisso, J.A., Pavell, J.R., Berlin, J.A., Tan, V., Bowman, B., and Fitzgerald, R.H.: "Predictors of Injury from Recreational In-line Skating: A National Study" - 10<sup>th</sup> Combined Meeting of the Orthopaedic Associations of the English Speaking World, Auckland, New Zealand, February 1-6, 1998.
- Seldes, R.M.**, Grisso, J.A., Pavell, J.R., Berlin, J.A., Tan, V., Bowman, B., and Fitzgerald, R.H.: "Predictors of Injury from Recreational In-line Skating: A National Study" - Pennsylvania Committee on Trauma Meeting, Harrisburg, PA, November 14, 1997.
- Seldes, R.M.**, Grisso, J.A., Pavell, J.R., Berlin, J.A., Tan, V., Bowman, B., and Fitzgerald, R.H.: "Predictors of Injury from Recreational In-line Skating: A National Study" - Pennsylvania Orthopaedic Society Meeting, Orlando, Fla., November 1997.
- Seldes, R.M.**, Wang, W., Zhuang, H., and Brighton, C.T.: "Capacitive Coupling Electrical Stimulation Increases Production of TGF- $\beta$  mRNA" - Department of Orthopaedic Surgery Resident Research Day, University of Pennsylvania, May 7, 1997.
- Bozentka, D.J., **Seldes, R.M.**, and Osterman, A.L.: "Treatment of Scapholunate Instability by Dorsal Capsulodesis" - American Association for Surgery of the Hand Meeting, Cancun, Mexico, December, 1993.
- Craythorne, C.B., Glasgow, S.G., **Seldes, R.M.**, Glasgow, M.T., and Torg, J.S.: "Long Term Evaluation of the Modified Bristow Procedure for Anterior Glenohumeral Instability" - American Academy of Orthopaedic Surgeons 60<sup>th</sup> Annual Meeting, San Francisco, February 18-23, 1993.
- Craythorne, C.B., Glasgow, S.G., **Seldes, R.M.**, Glasgow, M.T., and Torg, J.S.: "Long Term Evaluation of the Modified Bristow Procedure for Anterior Glenohumeral Instability" - American Orthopaedic Society of Sports Medicine Specialty Day Meeting, San Francisco, February 21, 1993.
- Craythorne, C.B., Glasgow, S.G., **Seldes, R.M.**, Glasgow, M.T., and Torg, J.S.: "Long Term Evaluation of the Modified Bristow Procedure for Anterior Glenohumeral Instability" - American Shoulder and Elbow Surgeons Specialty Day Meeting, San Francisco, February 21, 1993.

### **Scientific Poster Presentations:**

- Seldes, R.M.**, Winiarsky, R., Brause, B., and Sculco, TP: Liquid Gentamicin in Bone Cement: An efficacious and more cost-effective cement spacer.” American Academy of Orthopaedic Surgeons 69<sup>th</sup> Annual Meeting, Dallas, Texas, February 13-17, 2002.
- Seldes, R.M.**, Winiarsky, R., Scherbel, U., Troidl, H., and Fitzgerald, R.H.: “Hip Fracture in Elderly Patients: An Orthopaedic Emergency” - Eastern Orthopaedic Association 29<sup>th</sup> Annual Meeting, Dorado, Puerto Rico, October 14-18, 1998.
- Tan, V., Glaser, D., Pepe, M.D., **Seldes, R.M.**, Heppenstall, R.B., and Esterhai Jr, J.L.: “Continuous Monitoring Of Well-Leg Compartment Pressures During Hemilithotomy Position In Patients Undergoing Intramedullary Rodding Of The Contralateral Femur.” - Eastern Orthopaedic Association 29<sup>th</sup> Annual Meeting, Dorado, Puerto Rico, October 14-18, 1998.
- Tan, V., Glaser, D., Pepe, M.D., **Seldes, R.M.**, Heppenstall, R.B., and Esterhai Jr, J.L.: “Continuous Monitoring Of Well-Leg Compartment Pressures During Hemilithotomy Position In Patients Undergoing Intramedullary Rodding Of The Contralateral Femur.” - Orthopaedic Trauma Association Meeting, Vancouver, Canada, October 7-10, 1998.
- Winiarsky, R., **Seldes, R.M.**, Scherbel, U., Troidl, H., and Fitzgerald, R.H.: “Hip Fracture in Elderly Patients: An Orthopaedic Emergency”. American Orthopaedic Association 111<sup>th</sup> Annual Meeting, Asheville, North Carolina, June 3-6, 1998.
- Seldes, R.M.**, Tan, V., Duffy, G., Rand, J.A., and Lotke, P.A.: “Total Knee Arthroplasty For Steroid Induced Osteonecrosis Of The Knee”. American Academy of Orthopaedic Surgeons 65<sup>th</sup> Annual Meeting, New Orleans, LA, March 19-23, 1998.
- Seldes, R.M.**, An, K. and Fitzgerald, R.H.: “A Simple And Highly Effective Jig For Proximal Tibial Osteotomy”. Eastern Orthopaedic Association Annual Meeting, Scottsdale, AZ., October 15-19, 1997.



### **Videotape Presentations:**

**Seldes, R.M.,** Esmail, A., Alavi, R., Winiarsky, R., and Garino, J.P.:  
“Modern Ceramic-Ceramic Total Hip Arthroplasty: History, Design, Biomaterials, and Surgical Technique.” Multimedia Exhibit, American Academy of Orthopaedic Surgeons 67<sup>th</sup> Annual Meeting, Orlando, March 15-19, 2000.

**Seldes, R.M.,** Garino, J.P., Levitz, C.L., An, K., and Fitzgerald, R.H.:  
“Technical aspects of proximal tibial osteotomy using a pin placement guide.” American Academy of Orthopaedic Surgeons Videotape Library, 1998-1999.

**Seldes, R.M.,** Garino, J.P., Levitz, C.L., An, K., and Fitzgerald, R.H.:  
“Technical aspects of proximal tibial osteotomy using a pin placement guide.” Multimedia Exhibit, American Academy of Orthopaedic Surgeons 65<sup>th</sup> Annual Meeting, New Orleans, March 19-23, 1998.

### **Inventions:**

**Seldes, R.M.,** and Tan, V.: “External Fixator Pin Cleaner”, Penn Docket J1518, Center for Technology Transfer, The University of Pennsylvania, 1997.

### **Media Coverage:**

“Acetabular labral tears common in adult hips”, **Convention Highlights, News Bulliten**, Vol. 18, 1999

“Acetabular labral tears common in adult hips”, **Academy News**, February 7, 1999

“For Skaters, the Pain of Experience”, **The New York Times**, February 9, 1999

AMA News Radio Interview. February 1999

“Out of Line”, **Philadelphia Daily News**, February 8, 1999

“Skate Study links injuries to showoffs”, **Atlanta Constitution**, Mar 4, 1999.

“More experienced in-line skaters at greater risk for injury.”, **Orthopaedics Today**, Vol 18, pp.53-54, April 1998.