

CURRICULUM VITAE

Joseph H. Shin M.D.
Assistant Professor of Plastic Surgery
Department of Surgery
Yale University School of Medicine
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- Education:** **Undergraduate:** B.A. cum laude , **Yale College, Yale University :**
Distinction in the Major: English. September 1981 – May 1985
- Graduate:** M.D. with Honors, **University of Alabama School of Medicine :**
July 1985 – July 1989
- Career:** **Internship:** July 1989 – June 1990
 General Surgery
 Department of Surgery
 Yale University School of Medicine
 Yale New Haven Hospital: New Haven , CT
- Residency:** July 1990 – June 1994
 Chief Resident: July 1993 – June 1994
 General Surgery
 Department of Surgery
 Yale University School of Medicine
 Yale New Haven Hospital: New Haven , CT
- July 1995 – June 1997
 Plastic and Reconstructive Surgery
 Department of Surgery: Section of Plastic Surgery
 Yale University School of Medicine
 Yale New Haven Hospital: New Haven , CT
- Postdoctoral Fellowship:** July 1994 – June 1995
 Molecular Biology
 Department of Surgery
 Yale University School of Medicine: New Haven, CT
- Fellowship:** Craniofacial Surgery
 July 1997 – June 1998
 Miami Children’s Hospital: Miami, FL
- Board Certification:** American Board of Surgery: #40672 October 1995
- American Board of Plastic Surgery: #5873 September 1999
- Professional Honors or Recognition:**
 2000 Research Award, American Society of Maxillofacial Surgeons (10/2000)
- Grant History:** American Society of Maxillofacial Surgeons
 Strain Dependent Control of TGF-B Function in Bone Cells: A Model for Distraction
 Osteogenesis (1/01 – 1/02)
 American Cleft Palate Foundation Grant:
 Strain Dependent Control of TGF-B Function in Bone Cells: A Model for Distraction
 Osteogenesis

Principal Investigator: Joseph H. Shin M.D
(1/1/00 –12/31/01)

Ohse Foundation Grant:
Strain Dependent Control of TGF-B Function in Bone Cells: A Model for Distraction
Osteogenesis
Principal Investigator: Joseph H. Shin M.D
(1/1/99 –12/31/00)

Gaylord Rehabilitation Research Institute
Telemedicine Services for Wound Care Assessment in Spinal Cord Injury Patients
Principal Investigator: Joseph H. Shin M.D. and David Rosenblum M.D.
(7/1/99-6/30/01)

Plastic Surgery Education Foundation :Basic Science Grant Award
PTHrP Control of IGF-I Regulation in Dermal Fibroblasts
Principal Investigator: Joseph H. Shin M.D
(6/94 – 6/95)

Ohse Foundation Surgical Research Grant
PTHrP Control of IGF-I Regulation in Dermal Fibroblasts
Principal Investigator: Joseph H. Shin M.D
(6/94 – 6/95)

Lectures, Courses:

May 13, 2000. New Haven, CT. Changing Faces: Advances in Craniofacial Surgery. Eastern States Surgical Society

April 13, 2000. Bridgeport, CT. Advances in Wound Healing. Bridgeport Hospita/OrthoMcNeil Corporation

September 23, 2000. New Haven, CT. Sentinel Node Mapping in Melanoma. Hospital of St. Raphael

Grand Rounds, Plastic Surgery, Yale University

1998: Advances in Facial Skeletal Surgery

1999: Melanoma

2000: Distraction Osteogenesis

Grand Rounds, General Surgery, Yale University

1999: Advances in Craniofacial Surgery

1999: Melanoma of the Foot, Yale New Haven Hospital

2000: Head and Neck Conference, Orthognathic Surgery

2000: Wound Healing, Cleft Lip and Palate, Otolaryngology

Professional Service:

Co-Editor: **Neurosurgical Focus**. September 2000

American Society of Maxillofacial Surgeons: Committee Memberships:

a) Education

b) Research

c) Web Page

Hospital and University Service:

Director, Yale Craniofacial Center

Director of Education, Section of Plastic Surgery, Department of Surgery

Surgical Education Committee

Yale University, Saybrook College, Freshman Advisor 2001-present

Yale New Haven Graduate Medical Education Committee

Yale University School of Medicine Admissions Committee 2001-present

Yale University School of Medicine Progress Committee for YSM Class of 2004
Yale New Haven Hospital Operating Room Formulary Committee
Yale-New Haven Navicare Steering Committee
Thesis Advisor

Matthew Goodwin B.A. Yale University Medical Student 1999-2000
Yuan Liun B.S. 3rd Year Medical Student, University of Pennsylvania 2001-2002
Justin Heller BA , Yale University School of Medicine 2002-

Bibliography:

Scientific Presentations:

1. Shin JH, Foster RE, Canby RC, Pohost GM: P-31 NMR Determination of Fatty Acid Metabolism in the Isolated Perfused Heart Model. Presented at the 1986 Medical Student Research Day: University of Alabama School of Medicine, November 15, 1986: Birmingham, Alabama. Awarded Fourth Place.
2. Foster RE, Canby RC, Shin JH, Elgavish GA, Pohost GM: Na-23 NMR Prediction of Reversibility of Function Following Hypoxia in and Isolated Perfused Rat Heart Model: Presented at the 36th Annual Scientific Session of the American College of Cardiology, March 10, 1987: New Orleans, Louisiana
3. Shin JH, Oestmann JW, Hall DA, Cardenosa, G, McCarthy, KA, Mrose HE, Pile-Spellman E, Rubens JR, Greene RE: : Low Dose Digital Imaging is Equivalent to Conventional Radiography in the Detection of Subtle Gastric Abnormalities Presented at the Radiologic Society of North America 74th Scientific Assembly and Annual Meeting: November 27, 1988 Chicago, IL
4. Shin JH, Ng A, Cohn SM: CT Scan is Not Useful in the Diagnosis of Blunt Aortic Injury, Presented at the American College of Surgeons: CT Chapter Meeting: December 1991: Cromwell CT
5. Shin JH, McCarthy T, Cashinghino S, Centrella M. Parathyroid Hormone Related Protein (PTHrP) Increases Insulin-like Growth Factor I (IGF-I) Synthesis by Fetal Rat Dermal Fibroblasts. Presented at the Plastic Surgery Research Council, May 18, 1995. New York, NY
6. Shin JH, McCarthy T, Cashinghino S, Centrella M. Parathyroid Hormone Related Protein (PTHrP) Increases Insulin-like Growth Factor I (IGF-I) Synthesis by Fetal Rat Dermal Fibroblasts. Presented at the Northeastern Plastic Surgery Society Meeting, October 1, 1996 Boston MA
7. Shin JH, Wolfe SA. Review and Analysis of 400 Cases of Orthognathic Surgery Association of Plastic Surgeons, Montreal Canada 1998
8. Shin JH and Persing JA: Modification of Techniques in Sagittal Synostosis. American Cleft Palate and Craniofacial Society. Scottsdale Arizona 1999
9. Knoll, B, McCarthy TL, Centrella M and Shin JH. Strain Dependent Control of TGF-B Function in Bone Cells: A Model for Distraction Osteogenesis. Northeastern Society of Plastic Surgeons, Montreal, Canada. September 2000
10. Goodwin M, PersingJA, Shin JH. The Virtual Craniofacial Center: Development of an Internet. Intranet Based Care Coordination of Pediatric Craniofacial Patients. Northeastern Society of Plastic Surgeons, Montreal, Canada. Septemeber 2000
11. Shin JH, Opin P, Knoll B, Persing JA. Efficacy and Versatility of Intraoral Distraction of the Mandible: Early Results. International Society of Craniofacial Surgery. IX th International Congress, Visby Sweden June 2001
12. Knoll B, McCarthy TL , Centrella M, Shin JH. Influence of Mechanical Strain on TGF-B function in Osteoblasts: A Model for Distraction Osteogenesis. IIIrd International Congress of Craniofacial and Maxillofacial Distraction. Paris, France June 2001

13. Shin JH, Opin P, Knoll B, Persing JA. Efficacy and Versatility of Intraoral Distraction of the Mandible: Early Results. International Society of Craniofacial Surgery. International Congress of Craniofacial And Maxillofacial Distraction. Paris, France June 2001

Scientific Publications:

Peer Reviewed Original Research:

Foster RE, Canby RC, Shin JH, Elgavish GA, Pohost GM : Na-23 NMR Prediction of Reversibility of Function Following Hypoxia in and Isolated Perfused Rat Heart Model: Journal of the American College of Cardiology: 1987: 9A- 72.

Shin JH, Oestmann JW, Hall DA, Cardenosa G, McCarthy KA, Mrose HE, Pile-Spellman E Rubens JR, Greene RE: Low Dose Digital Imaging is Equivalent to Conventional Radiography in the Detection of Subtle Gastric Abnormalities Radiology: 172 (2) August 1989: 399-401

Shin JH, Ng A, Cohn SM: CT Scan is Not Useful in the Diagnosis of Blunt Aortic Injury, American College of Surgeons: CT Chapter: December 1991 (Abstract)

Modlin IM, Shin JH: Harvery Cushing : First Guest at the Divine Banquet of the Brayne Surgery 113:4; 438 – 455, April 1993

Shin JH, McCarthy T, Cashinghino S, Centrella M. Parathyroid Hormone Related Protein (PTHrP) Increases Insulin-like Growth Factor I (IGF-I) Synthesis by Fetal Rat Dermal Fibroblasts Journal of Biological Chemistry 272:38; 23498 –23502, September 1997

Goodwin, MA, Otake LR, Persing JA, Shin JH. A Preliminary Report of the Virtual Craniofacial Center: Development of an Internet-/Intranet-Based Care Coordination of Pediatric Craniofacial Patients. Ann of Plast Surg 46:5, 511-517, May 2001

Shin JH , Duncan C and Persing JA. Monobloc Distraction: Technical Modifications and Considerations. Journal of Craniofacial Surgery, in press

Shin JH and Persing JA. Asymmetric Skull Shapes: Diagnostic and Therapeutic Considerations. Journal of Craniofacial Surgery, in press

Case Reports, Technical Notes:

Sun P, Shin JH, Persing JA: Management of the Ventricular Shunt in Posterior Deformities of the Skull in Craniosynostosis Journal of Craniofacial Surgery 8:38-41, 1997

Knoll B, Karas D, Persing JA, Shin JH. Complete Congenital Bony Syngnathia in a Case of Oromandibular Limb Hypogenesis Syndrome. J. Craniofacial Surgery.11:4 :371-375. July 2000

Goodwin MD, Persing JA, Duncan CC, Shin JH. Spontaneously Infected Cephalohematoma. J. Craniofacial Surgery. J. Craniofacial Surgery. 11. 4 :398-404. July 2000

Editorials, Reviews, Chapters:

Shin JH, Persing JA: Vascular Lesions of the Cranial Base. Clinics in Plastic Surgery: June 1995

Shin JH, Sun P, Persing: Secondary Management of Nonsyndromic Craniosynostosis. Clinics in Plastic Surgery July 1997: 415 - 428

Shin JH, Persing JA: "Surgical Management of Complex Craniofacial Disorders with the Barrel Stave Osteotomy Technique" in Techniques in Neurosurgery Vol 3(3) 207-215, 1997, Lippincott-Raven Publishers, Philadelphia.

Shin JH, Persing JA. Sagittal Synostosis. in Craniofacial Surgery: Science and Surgical Technique. Lin K, Ogle R, and Jane JA eds. WB Saunders: Philadelphia 2001: Chapter 16 ,pp 225-233.

In Press:

Shin J, Persing JA: "Turribrachicephaly - Techniques in Neurosurgery" in Neurosurgery. ed. J. Goodrich (in press).

Shin J, Persing JA: Craniofacial Disorders, Youman's Neurological Surgery - 5th Edition (in press).