

Rodney E. Schmelzer, MD

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Education

- 2004-2005 Craniofacial Fellowship Medical City Hospital, Dallas, Texas
(Mentored under Jeffrey Fearon, MD)
- 2002-2004 Resident in Plastic Surgery, Washington University School of
Medicine, Barnes-Jewish Hospital, St. Louis, MO
- 2000-2002 Research Fellow in Plastic Surgery, Washington University School of
Medicine, St. Louis Children's Hospital, St. Louis, MO
- 1997-2000 Resident in General Surgery, Washington University School of
Medicine, Barnes-Jewish Hospital, St. Louis, MO
- 1993-1997 Case Western Reserve University School of Medicine, Cleveland,
Ohio, MD degree 1997
- 1989-1991 University of Florida, Gainesville, FL, Post-Baccalaureate
Microbiology
- 1985-1989 Tulane University, New Orleans, LA, BA in English

Research Experience

Washington University, Saint Louis Children's Hospital, Cleft Palate Craniofacial Deformities Institute. **Project:** Studies in craniofacial anomalies, 2000-2002. *Primary investigator: Jeffrey L. Marsh, MD*

Case Western Reserve University, University Hospitals of Cleveland, Department of Infectious Diseases. **Project:** Antigenic and mitogenic effects of cytokines on HIV pathophysiology, 1994. *Primary Investigator: Michael M. Lederman, MD*

Case Western Reserve University, University Hospitals of Cleveland, Department of Infectious Diseases. **Project:** Anti-sense DNA therapy in HIV infected cells, 1992-1993. *Primary Investigator: Michael M. Lederman, MD*

University of Florida School of Medicine, Department of Genetics. **Project:** DNA mapping of an X-linked gene for Menke's Disease, 1991-1992. *Primary Investigator: Thomas P. Yang, PhD*

University of Florida School of Medicine, Department of Pathology. **Project:** Studies in DNA polymorphisms in an animal model of HIV, 1990-1991. *Primary Investigator: Maureen M. Goodenow, PhD*

Abstracts/Presentations

2007

American Cleft Palate Craniofacial Association co-chair panel for new technology in cleft treatment and research

Utah Valley Hospital Pediatric Grand Rounds on craniofacial anomalies

Southern Utah Pediatricians "Approach to abnormal head shapes and other congenital anomalies"

2006

Snowbird Symposium: "Surgical approach to different morphology in craniosynostosis"

Primary Children's Medical Center: Issues in Pediatric Care Conference "Living with craniofacial disorders"

Instructor, CME sponsored wound care and suturing course

Primary Children's Neonatal Intensive Care Unit "An approach to managing the airway in the neonate"

2005

Visiting Professor Grand Rounds at Chang Gung Memorial Hospital Taipei, Taiwan: "Halo distraction of the Lefort III in syndromal craniosynostosis"

2004

ACPA: "Z -Pattern" Craniosynostosis: A Novel Presentation of Tri-sutural Fusion

Resident Research Day Presentation: “Endoscopic carpal tunnel release: A Review of 753 cases”

2003

CME presentation, ICU staff, Barnes-Jewish Hospital: “Reconstructive options and care of patients with traumatic injuries”

Grand Rounds: “Spectrum of craniosynostosis and treatment options”

ACPA: “Appearance of Sutural Patency in Lambdoid Synostosis is Dependent on Plane of CT Acquisition”

Resident Research Day Presentation 2003: “Outcomes Study in Patients with Beckwith-Wiedemann Syndrome After Lingual Reduction

2002

American Cleft Palate-Craniofacial Association (ACPA)

Schmelzer R., Kane A, Marsh JL: “A Comparison of the Effects on the Endocranial Base for two Surgical Approaches in the Treatment of Sagittal Craniosynostosis”
(*junior investigator session*)

Schmelzer, R, Marsh JL: “Outcomes Study in Patients with Beckwith-Wiedemann Syndrome After Lingual Reduction”

Plastic Surgery Research Council

Schmelzer, R, Marsh JL: “Outcomes Study in Patients with Beckwith-Wiedemann Syndrome After Lingual Reduction”

2001

American Cleft Palate-Craniofacial Association

Schmelzer R, Perlyn C, Kane A, Govier D, Thomas Pilgram, Ph D, Marsh J: “Patterns of Calvarial Dymorphology in Sagittal Synostosis”

Schmelzer R, Perlyn C, Sutera S, Kane A, Marsh J: “A Static Model for Quantification of Upper Airway Resistance after Distraction Osteogenesis of the Mandible for Microretrognathia” (*junior investigator session*)

Awards/Positions

Ethics committee ACPA 2007

Co-chair panel “New Technologies in Cleft Care” ACPA 2007

Snowbird Symposium course director for Facial Reconstructive and Aesthetic Surgery 2006

Instructor/speaker CME accredited suture workshop PCMC, 2006

Washington University School of Medicine Resident of the Year Award, 2004

Senior resident plastic surgery teaching award, 2004

Junior Investigator Award, The Cleft Palate Foundation, 2001

Second place award for resident presentations, Saint Louis Society of Plastics Surgeons, 2001

Publications

1. Schmelzer RE, Fearon JA: ‘Z-Pattern’ Craniosynostosis: A novel presentation of trisutural fusion. *Journal of Craniofacial Surgery*. 18(3):568-574, 2007
2. Schmelzer RE, Perlyn CA, Kane A, Pilgram TK, Govier D, Marsh JL: Identifying reproducible patterns of calvarial dysmorphology in nonsyndromic sagittal craniosynostosis may affect operative intervention and outcomes assessment. *Plast Reconstr Surg* 119(5):1546-1552, 2007
3. Schmelzer RE, Della Rocca GJ, Caplin DA: Endoscopic Carpal Tunnel Release: A Review of 753 Cases in 486 Patients. *Plast Reconstr Surg* 117(1):177-85, 2006
4. The Washington University Manual of Surgery: Chapter on “Plastic and Hand Surgery” 3rd Edition Lippincott Williams&Wilkins, 2005
5. Perlyn CA, Schmelzer R, Govier D, Marsh JL: Congenital Scalp and Calvarial Deficiencies: Principles for classification and surgical management. *Plast Reconstr Surg* 15(4):1129-1141, 2005

6. Perlyn C, Schmelzer R, Sutera SP, Govier D, Marsh JL: Effects of Distraction Osteogenesis of the Mandible on the Upper Airway Volume and Resistance in Children with Micrognathia. *Plast Reconstr Surg* 109(6):1809-18, 2002
7. Guyuron B, Michelow B, Schmelzer R, Thomas T, Ellison MA: Delayed healing of rhytidectomy flap resurfaced with CO2 laser. *Plast. Reconstr. Surg.* 10(3):816-819, 1998
8. Lederman MM, Georges D, Dando S, Schmelzer R, Averill L, Goldberg D: L-2-oxothiazolidine-4-carboxylic acid (procysteine) inhibits expression of the human immunodeficiency virus and expression of the IL-2 receptor alpha chain. *J. Acquir. Immune Defic Syndr. Hum Retrovirol.* 8(2):107-15, 1995

Manuscripts in progress

1. Schmelzer, R, Marty Grames L, Marsh JL: “Outcomes Study in Patients with Beckwith-Wiedemann Syndrome after Lingual Reduction”
2. Schmelzer R., Kane A, Govier D, Thomas Pilgram, Richtsmeier JT, Marsh JL: “A Comparison of the Effects on the Endocranial Base for two Surgical Approaches in the Treatment of Sagittal Craniosynostosis”

Medical Licensures

Missouri

Texas

Utah

Memberships

AMA

American Society of Craniofacial Surgeons (ASCFS)

The Plastic Surgery Research Council

American Society for Aesthetic Plastic Surgery

American Cleft Plate Craniofacial Association (ACPA)

American Society of Plastic Surgeons (ASPS)

American Society of Maxillofacial Surgeons (ASMS)

Utah Medical Society

Utah Society of Plastic Surgeons