

Rodney E. Schmelzer, MD

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Current

2005-present Craniofacial/Pediatric Plastic Surgeon at Plastic Surgery Associates
(Salt Lake City, Utah)
Staff Positions: Primary Children's Medical Center and Intermountain
Medical Center

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 Dysmorphology 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
- Arizona (pending)

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