

JASON ROVAK MD

601 E. Hampden Ave.
Suite 500
Englewood, CO 80113
303.744.7078

EMPLOYMENT

2008- Present: Hand Surgery Associates PC, Denver CO

2013- Present: Pinnacol Assurance—Physician Advisor

2015: Animed 3D—3d computer generated medical graphics—Founder

EDUCATION

9/94-5/98 B.S., Neurophysiology

University of Michigan College of Literature Science and the Arts

With Highest Distinction, and Honors in Neurophysiology

8/98-05/02 MD

Duke University School of Medicine

6/02-6/05

Resident in General Surgery

Washington University School of Medicine

Barnes-Jewish Hospital St. Louis MO

7/05-6/07

Resident in Plastic and Reconstructive Surgery

Washington University School of Medicine

Barnes-Jewish Hospital St. Louis MO

8/07-8/08

Hand and Microsurgery Fellowship

Union Memorial Hospital–Curtis National Hand Center

Baltimore MD

BOARD CERTIFICATIONS

American Board of Plastic Surgery 2009

American Board of Plastic Surgery –Certificate of Additional Qualification—Surgery of the Hand 2012

HONORS AND AWARDS

4/98 Elected to Golden Key National Honors Society

4/98 Cutcheon Travel Fund Scholarship-University of Michigan

5/98 Dean's Honor List four consecutive years, University of Michigan

5/98 John F. Crikelair Award

Plastic Surgery Research Council 43rd Annual Meeting, Loma Linda, CA

5/98 Phi Beta Kappa National Honors Society

5/98 James B. Angell Scholar (All "A" record for at least seven consecutive semesters), University of Michigan

5/00 Howard Hughes Medical Institute Research Training Fellowship for Medical Students

1/01 Leiden International Medical Students Congress-Travel Award

Awarded to the authors of the top 10 abstracts submitted internationally

6/01 J. K. Hardesty, MD Award (Best Poster Award)

Plastic Surgery Research Council 46th Annual Meeting, Milwaukee, WI

6/07 Washington University Department of Surgery

Medical Student Teaching Award

Awarded to residents who have been recognized by the medical students for their teaching efforts

RESEARCH EXPERIENCE

1994 Creation of a Carbon Dioxide Independent Cell Media for Transporting

Experimental Retina Transplants for The Treatment of Retinitis Pigmentosa

Sensory Neuroscience, Washington University, St Louis, MO-Mentor:

Dr. Martin Silverman

1995 Characterization of TGFJ31-Receptor mRNA Transcription Following

Acute Renal Failure

Department of Medicine, Renal Division, Washington University, St Louis, MO-Mentor: Dr. Marc Hammerman

1996 Increasing Transforming Growth Factor-J31 Expression in Regenerating

Rat Renal Tubules Following Ischemic Injury

Department of Medicine, Renal Division, Washington University, St Louis, MO-Mentor: Dr. Marc Hammerman

1996 – 1998 Functional Axonal Anatomy of Motor Axons Following End-to-Side
Neurorrhaphy

Section of Plastic and Reconstructive Surgery, University of Michigan, Ann Arbor, MI-
Mentor: Dr. William Kuzon Jr.

1999-2000 Quality of Life Following Total Gastrectomy for Benign Disease

Department of Surgery, Duke University, Durham, NC-Mentors: Drs.

Theodore Pappas & Gonzolo Gonzalez

2000-2001 -Alternative Peripheral Nerve Conduits

-Graft specific immunosuppression using Anti-CD40 Ligand mAb.

Section of Plastic and Reconstructive Surgery, University of Michigan, Ann Arbor, MI-
Mentor: Dr. Paul Cederna

-Availability of Accurate Plastic and Reconstructive Surgery Information on the Internet

Section of Plastic and Reconstructive Surgery, University of Michigan, Ann Arbor, MI-
Mentor: Dr. Kevin Chung

2007-2008 – Development of “Mini-Arthroscope” for office based arthroscopy

Curtis National Hand Center

PREVIOUS GRANT SUPPORT

University of Michigan Undergraduate Research Opportunity Program

6/1/97 – 8/31/97

The Functional Anatomy of Motor Axons After End-to-Side Neurorrhaphy

Plastic Surgery Education Foundation (PI: Dr, Cederna)

7/1/98 – 6/30/99

The Functional Anatomy of Motor Axons Following End-to Side Neurorrhaphy

Howard Hughes Medical Institute Research Training Fellowship for Medical Students

9/2000-9/2001

Plastic Surgery Education Foundation (Collaborator)

Acellularized peripheral nerve allograft repopulated with isogenic Schwann cells:

A bioengineered non-immunogenic construct for support of axonal regeneration

BIBLIOGRAPHY:

Publications

D P Basile, **J M Rovak**, D R Martin, M R Hammerman, Increased Transforming Growth Factor- β 1 Expression in Regenerating Rat Renal Tubules Following Ischemic Injury, American Journal of Physiology, 270 (Renal Fluid Electrolyte Physiol. 39): F500-F509, 1996

J M Rovak, V Macionis, P S Cederna, M Urbanchek, W M Kuzon, Axonal Anatomy Following End-to-Side Surgical Nerve Repair. Journal of Reconstructive Microsurgery, 14: 590-591, 1998,

Rovak, JM, Cederna, PS, Macionis, V, Urbanchek, MG, Van der Meulen, JH,

Kuzon, WM, Termino-lateral neuroorrhaphy: The functional axonal anatomy.
Microsurgery 20:6-14, 2000.

Paul S, Cederna, Loree K Kalliainen, Melanie G Urbanchek, **Jason M Rovak**,
William M Kuzon, Donor muscle structure and after following end-to-side
neuroorrhaphy, Journal of Plastic and Reconstructive Surgery 107:789, 2001

J M Rovak, P S Cederna, W M Kuzon

End-To-Side Nerve Coaptation: A Comprehensive Review of the Literature.
Journal of Reconstructive Microsurgery 17(8), 2001

Gonzolo V Gonzalez, MD, **Jason M. Rovak, BS**, Hilliard F Seigler, MD, John P
Grant, MD, Theodore N Pappas, MD. Poor Quality of Life in Female Patients
Following Surgery for Recalcitrant Benign Peptic Ulcer Disease.
J Gastrointest Surg. 2002 May-Jun; 6(3):396-402.

Jejurikar SS, **Rovak JM**, Kuzon WM Jr, Chung KC, Kotsis SV, Cederna PS.
Evaluation of plastic surgery information on the Internet.

Ann Plast Surg. 2002 Nov; 49(5):460-5.

Haase SC, **Rovak JM**, Dennis RG, Kuzon WM Jr, Cederna PS.

Recovery of muscle contractile function following nerve gap repair with chemically
acellularized peripheral nerve grafts.

J Reconstr Microsurg. 2003 May; 19(4):241-8.

Rovak JM, Mungara AK, Aydin MA, Cederna PS.

Effects of vascular endothelial growth factor on nerve regeneration in acellular nerve grafts.

J Reconstr Microsurg. 2004 Jan; 20(1):53-8.

Rovak, JM, Tung, Thomas H, Mackinnon SE.

The Surgical Management of Facial Nerve Injury

Seminars in Plastic Surgery 2004 Feb 18 (1):23-30

Rovak JM, Bishop OK, Boxer LK, Wood SC, Mungara AK, Cederna PS.

Peripheral nerve transplantation: the role of chemical acellularization in eliminating allograft antigenicity.

J Reconstr Microsurg. 2005 Apr; 21(3):207-13.

Rovak JM, Tung, TH

Traumatic Brachial Plexus Injuries

Missouri Medicine 2006;103(6) 631

Abstracts and Presentations:

J M Rovak, V Macionis, P S Cederna, M Urbanchek, W Kuzon. Functional

Neuroanatomy of Motor Axons After End-to-Side Neuroorrhaphy. 43rd Annual Fall

Series, Student Biomedical Research Forum, Ann Arbor, Michigan, November

11, 1997.

J M Rovak, V Macionis, P S Cederna, M Urbanchek, W M Kuzon. TerminoLateral

Neuroorrhaphy: The Functional Axonal Anatomy. 43rd Annual Meeting of the Plastic Surgery Research Counsel, April 4-7, 1998. Winner of the John F.

Crikelair Research Award, "Presented to the college student presenting the best paper at the annual meeting of the Plastic Surgery Research Counsel".

J M Rovak, V Macionis, P S Cederna, M Urbanchek, W M Kuzon. Axonal

Anatomy Following End-to-Side Surgical Nerve Repair. American Society for

Peripheral Nerve, 8th Annual Meeting, May 22-24, 1998.

JM Rovak, LK Boxer, SY Chan, DK Bishop, WM Kuzon, PS Cederna.

Acellularized Peripheral Nerve Allograft Repopulated with Isogenic Schwann

Cells: A Non-Immunogenic Construct that Supports Axonal Growth Across Short

Nerve Gaps. Leiden International Medical Students Congress. Leiden

University, Leiden, Netherlands. March 16-17, 2001

JM Rovak, LK Boxer, SY Chan, DK Bishop, WM Kuzon, PS Cederna. The Immunologic Response to Acellularized Peripheral Nerve Tissue. Moses Gunn 13th Annual Research Conference, University of Michigan 5/01

Gonzolo V Gonzalez, MD, **Jason M. Rovak, BS**, Hilliard F Seigler, MD, John P Grant, MD, Theodore N Pappas, MD. Poor Quality of Life in Female Patients Following Surgery for Recalcitrant Benign Peptic Ulcer Disease.

The Society for Surgery of the Alimentary Tract–Digestive Disease Week 5/01

JM Rovak, L Boxer, SY Chan, DK Bishop, W Kuzon, PS Cederna. The Immunologic Response To Chemically Acellularized Peripheral Nerve Plastic Surgery Research Council 46th Annual Meeting, Milwaukee, WI 6/01
Winner of the JK Hardesty, MD Best Poster Award

Sameer S. Jejurikar, MD, **Jason M. Rovak, BS**, Cynthia Marcelo, PhD, William M. Kuzon, MD, PhD. Denervation Injury Promotes Programmed Satellite Cell Death. American College of Surgery Meeting, New Orleans, Louisiana. 10/01

Jejurikar SS, **Rovak JM**, Spilson SV, Cederna PS, Kuzon WM, Chung KC. An Evaluation of Elective Plastic Surgery Information on the Internet. American Society of Plastic Surgery Meeting, Orlando, FL 11/01

JM Rovak, DK Bishop, SY Chan, WM Kuzon, JA Faulkner, PS Cederna. Short Term Anti-CD40 Ligand Monoclonal Antibody Treatment Induces Tolerance to Peripheral Nerve Allografts. Plastic Surgery Research Council 47th Annual Meeting, Boston MA, 4/02

JM Rovak Computers and Mobile Technology for the Hand Surgeon –Voice Dictation. 66th Annual Meeting of the American Society for Surgery of the Hand 2011 Las Vegas NV

Book Chapters:

Plastic and Hand Surgery. In *The Washington Manual of Surgery 5th Ed.* Tenenbaum MJ, **Rovak JM**, Mackinnon SE Lippincott, Williams, & Wilkins 2008

Surgical Exposure, Techniques, and Infections—Digits and Thumb. **Rovak JM**. In Master Techniques in Orthopaedic Surgery: The Hand 3rd Ed. *In publication 2014*

PROFESSIONAL ORGANIZATIONS:

American Society for Surgery of the Hand-Active Member

Committee Membership:

Resident Education Committee 2011-2014

Patient Education Committee 2014- Present

American Society of Plastic Surgeons—Active Member

Rocky Mountain Hand Society – President Elect

Denver Medical Society

Colorado Medical Society

Other activities:

Blues/Jazz Piano and Guitar

-Member of the Sagittal Band

-piano and guitar

-Local blues band

-lead guitar

3d Computer Generated Graphics