

Cody Alan Koch, MD PhD

PERSONAL INFORMATION

Business Address: Koch Facial Plastic Surgery & Spa
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BOARD CERTIFICATIONS

2016 **American Board of Facial Plastic and Reconstructive Surgery, Board Certified**
2014 **American Board of Otolaryngology, Board Certified**

ACADEMIC POSITIONS

2012-2013 **University of Washington**
Clinical Instructor in Otolaryngology, Dept. Otorhinolaryngology – Head and Neck Surgery

2011-2012 **Mayo Clinic and Foundation**
Clinical Instructor in Otolaryngology, Dept. Otorhinolaryngology – Head and Neck Surgery

EDUCATION

2012-2013 **University of Washington**
Fellow, Facial Plastic and Reconstructive Surgery
Mentors: Drs. Wayne Larrabee, MD, Craig Murakami, MD, and Kris Moe, MD

2012-2013 **American Medical Association Fellowship in Medical Editing**

2007-2012 **Mayo School of Graduate Medical Education**
Resident, Otorhinolaryngology – Head and Neck Surgery

2000-2007 **Mayo Medical School**
MD, Medical Scientist Training Program (MSTP)

2000-2007 **Mayo Graduate School**
PhD (Immunology), Medical Scientist Training Program (MSTP)
Advisor: Jeffrey L. Platt, M.D.
Thesis, “Interactions of Embryonic Stem Cells with the Immune System”

2003-2005 **Mayo Graduate School**
Certificate of Clinical Research
Advisor: Ayalew Tefferi, M.D.
Thesis, “Platelet-rich plasma serotonin levels in chronic myeloproliferative disorders: use in diagnosis and prognosis of disease”

1999-2001 **Drake University**
Masters of Public Administration (Healthcare Administration)

1996-2000 **Drake University**
BS, Biology, summa cum laude

EXTRACURRICULAR

2012-present **Scientific Reviewer**
JAMA-Facial Plastic Surgery

2012-2013 **JAMA-Facial Plastic Surgery**
Assistant Editor

Nov. 2012 **Instructor**
University of Washington Lesley Watson ISIS Resident Surgical Simulation Course
Harborview Medical Center, Seattle, WA

2011-2012 **AAFPRS Resident Representative**
Mayo Clinic, Department of Otorhinolaryngology – Head and Neck Surgery

Fall 2010 **Surgical Mission Trip (Quito, Ecuador)**
Medical Missions for Children, Surgical mission trip focusing on cleft lip/palate and other head and neck reconstructive procedures.

2004-2010 **Scientific Reviewer**
Serve as a reviewer of manuscripts to be considered for publication in the following journals: Journal of Immunology, Transplantation, and Liver Transplantation.

2002-2010 **Don Adams' Leadership Institute Steering Committee**
Drake University, Plan and support numerous workshops, local and national speakers, and conferences teaching leadership skills to undergraduate students.

2001-Present **National Alumni Scholarship Selection Committee**
Drake University, Interview and select students for full tuition, room and board and full tuition only scholarships annually from over 300 applicants.

Fall 2003,
Fall 2004 **Teaching Assistant**
Mayo Graduate School, Taught review sessions, small group sessions, and tutored medical and graduate students during the Immunology course.

Fall 2003-
Spring 2004 **Teaching Assistant**
Mayo Medical School, Assisted 2nd year medical students participating in the laparoscopic pig surgery labs.

HONORS & AWARDS

2010 **American Academy of Otolaryngology – Head and Neck Surgery Resident Leadership Grant**

2004 **Ruth L. Kirschstein National Research Service Award**
One of two Medical Scientist Training Program trainees to be selected to receive NIH funding.

2003, 2004 **American Society of Hematology Medical Student Award**
Awarded a training grant two consecutive years to be used for clinical research projects.

2000 **USA TODAY All-USA College Academic Team**
National award recognizing undergraduate students who display exceptional leadership, academic and community service skills.

1999 **Harry S. Truman Scholarship Finalist**
One of two undergraduate finalists for a national scholarship towards graduate studies in public service.

1999 **Phi Beta Kappa**

1998, 1999	Pioneer Football League All-Academic Team (1st Team)
1998	GTE/CoSIDA Academic All-American Honorable Mention (Football)
1996-1999	College Varsity Letter Winner, Football (NCAA Division IAA, Tight End) Three year starter on team that won two conference championships (1998, 1999)
1996-2000	Drake University National Alumni Scholar One of six students selected to receive a full tuition, room and board scholarship.

PROFESSIONAL CERTIFICATIONS

Advanced Trauma Life Support (ATLS)
 Pediatric Advanced Life Support (PALS)
 Advanced Cardiac Life Support (ACLS)
 Basic Life Support (BLS)

PEER-REVIEWED PUBLICATIONS

Koch CA and Larrabee WF. Patient Privacy, Photographs and Publication. *JAMA Facial Plastic Surgery*. (In Press)

Gross J, Olsen SM, **Koch CA** and Moore EJ. Severe symptomatic hypocalcemia following total thyroidectomy and Roux-en-Y gastric bypass: a case report and review of the literature. *Ear Nose and Throat Journal*. (In Press)

Koch CA, Olsen SM and Moore EJ. Use of the medicinal leech for salvage of venous congested microvascular free flaps of the head and neck. *American Journal of Otolaryngology*. 33(1):26-30, 2012 Jan.-Feb.

Friedman O, **Koch CA**, Schmitt W. Functional support of the nasal tip. *Facial Plastic Surgery*. (28)2:225-30, 2012 April

Olsen SM, Moore EJ, **Koch CA**, Price DL, Kasperbauer JL and Olsen KD. Transoral robotic surgery for supraglottic squamous cell carcinoma. *American Journal of Otolaryngology*. 2011 Nov. 29 Epub

Koch CA, Archibald DJ and Friedman O. Glabellar flaps in nasal reconstruction. *Facial Plastic Surgery Clinics of North America*. 19(1):113-122, 2011 Feb.

Koch CA, Olsen SM, Martin EJ and Moore EJ. Use of ultrasonic shears for the harvest of microvascular free-flaps: increased efficiency and cost savings. *Otolaryngology -Head and Neck Surgery*. 144(2):201-5, 2011 Feb.

Olsen SM, Moore EJ, **Koch CA**, Kasperbauer JL and Olsen KD. Oral cavity and oropharynx squamous cell carcinoma with metastasis to the parotid lymph nodes. *Oral Oncology*. 47(2):142-4, 2011 Feb.

Koch CA and Friedman O. Modified back-to-back autogenous conchal cartilage graft for caudal septal reconstruction: the medial crural extension graft. *Archives of Facial Plastic and Reconstructive Surgery*. 13(1):20-25, 2011 Jan.-Feb..

Romak JJ, Olsen SM, **Koch CA** and Ekbohm DC. Bilateral Vallecular Cysts as a Cause of Dysphagia. *International Journal of Otolaryngology*. 2010:697583, 2010 Dec.

Koch CA, Olsen SM, Saleh A and Orvidas LJ. Spontaneous epiglottic hematoma secondary to supra-therapeutic anti-coagulation. *International Journal of Otolaryngology*. 2010:201806, 2010 Nov.

Van Dorn CS, Sittig S, **Koch CA**, Thompson DA and Carey WA. Selective fiberoptic left main-stem intubation to treat a bronchial laceration in an extremely low birth weight neonate. *International Journal of Pediatric Otorhinolaryngology*, 74(6):707-710, 2010 June.

Park MA, **Koch CA**, Klemawesch P and Li JT. Increased adverse drug reactions to cephalosporins in penicillin allergy patients with a positive penicillin skin test. *International Archives of Allergy and Immunology*. 153(3):268-273, 2010 May.

Smoot RL, **Koch CA**, Donnelly SF, Sabater EA, Cullinane DC, Schiller HJ, Baerga-Varela Y. IVC filters in trauma patients: efficacy, morbidity and retrievability. *Journal of Trauma*. 68(4):899-903, 2010 Apr.

Koch CA and Platt JL. Immunosuppression by embryonic stem cells. *Stem Cells*. 26(1):89-98, 2008 Jan.

Koch CA and Platt JL. T cell recognition and immunity in the fetus and mother. *Cellular Immunology*. 248(1): 12-17, 2007 Jul.

Layton K, Theilen K, **Koch CA**, Kallmes DF, Luetmer P, Lane J and Wald J. Vertebroplasty, a single center's first 1000 levels: evaluation of outcomes and complications. *American Journal of Neuroradiology*. 28(4):683-9, 2007 April.

Koch CA, Layton K and Kallmes DF. Outcomes of patients on chronic corticosteroid therapy undergoing percutaneous vertebroplasty. *American Journal of Neuroradiology*. 28(3):563-6, 2007 March.

Nagata H, Nishitai R, Shiota C, Zhang J, **Koch CA**, Cai J, Awaad M, Schuurman H-J, Christians U, Abe M, Baranowska-Kortylewicz A, Platt JL and Fox IJ. Prolonged survival of porcine hepatocytes in cynomolgus monkeys. *Gastroenterology*. 132(1):321-9, 2007 January.

Koch CA, Greenlee SM, Larson DR, Harrington JR and Farley DR. A randomized, prospective, patient-blinded study comparing endoscopic inguinal hernia repairs with and without tacks. *Journal of the Society of Laparoendoscopic Surgery*. 10(4):457-60, 2006 October – December.

Koch CA, Jordan C and Platt JL. Complement-dependent control of teratoma formation by embryonic stem cells. *Journal of Immunology*. 177(7):4803-9, 2006 October 1.

Smoot R, **Koch CA**, Degnim AC, Sterioff S, Donohue JD, Grant CS, Barnes SA, Gullerud RE, Hobday TJ and Farley DR. A single center experience with inflammatory breast cancer 1985-2003. *Archives of Surgery*. 141(6):567-72, 2006 June.

Dorner DB, **Koch CA** and Hawasli A. Discussion of postoperative risk factors for urinary retention. *American Journal of Surgery*. 191(3):385-86, 2006 March.

Koch CA, Grinberg GG and Farley DR. Incidence and risk factors for urinary retention following endoscopic inguinal hernia repair. *American Journal of Surgery*. 191(3):381-85, 2006 March.

Koch CA, Kanazawa A, Nishitai R, Knudsen BE, Plummer TB, Butters KA and Platt JL. Intrinsic resistance of hepatocytes to complement-mediated injury. *Journal of Immunology*. 174(11):7302-09, 2005 June.

Nishitai R, **Koch CA**, Ogata K, Knudsen BE, Plummer TB, Butters KA and Platt JL. Toward the survival and function of xenogeneic hepatocytes. *Liver Transplantation*. 11(1):39-50, 2005 January.

Koch CA, Lasho T and Tefferi A. Platelet-rich plasma serotonin levels in chronic myeloproliferative disorders: evaluation of diagnostic use and comparison with the neutrophil PRV-1 assay. *British Journal of Haematology*. 127(1):34-39, 2004 October.

Khalpey ZI, **Koch CA** and Platt JL. Xenograft transplantation. *Anesthesiology Clinics of North America*. 22(4):871-75, 2004.

Koch CA, Khalpey ZI and Platt JL. Humoral immunity in xenotransplantation: B cell tolerance and accommodation. *Current Opinion in Organ Transplantation*. 9:170-75, 2004 June.

Koch CA, Khalpey ZI and Platt JL. Accommodation: preventing injury in transplantation and disease. *Journal of Immunology*. 172(9):5143-48, 2004 May 1.

Koch CA and Gauvin J. A controversial call: when to treat an abdominal shotgun wound. *Contemporary Surgery*. 60(5):222-25, 2004 May.

Koch CA, Li CY, Mesa R and Tefferi A. Non-hepatosplenic extramedullary hematopoiesis: associated diseases, pathology, clinical course and treatment. *Mayo Clinic Proceedings*. 78(10):1223-34, 2003 October.

Cohen-Gadol AA, **Koch CA**, Raffel C and Spinner R. Confirmation of research publications reported by neurologic surgery residency applicants. *Surgical Neurology* 60:280-84, 2003 October.

Koch CA and Platt JL. Natural mechanisms for evading graft rejection: the fetus as an allograft. *Springer Seminars in Immunopathology*. 25(2):95-117, 2003 September.

Cohen-Gadol AA, Zikel OM, **Koch CA**, Scheithauer BW and Krauss WE. Spinal meningiomas in patients younger than 50 years of age: a 21-year experience. *Journal of Neurosurgery*. 98(3 Suppl):258-63, 2003 April.

Koch CA and Gauvin J. A 38-year old man with Gardner's syndrome and an adrenal mass. *Contemporary Surgery*. 59(2):86-89, 2003 February.

Smolen JE, Petersen TK, **Koch CA**, O'Keefe SJ, Hanlon WA, Seo S, Pearson D, Fosset FC and Simon SI. L-selectin signaling of neutrophil adhesion and degranulation involved p38 mitogen-activated kinase. *Journal of Biological Chemistry*. 275(21):15876-84, 2000 May 26.

Pandit N, Trygstad T, Croy S, Bohorquez M and **Koch C**. Effects of salt on the micellization, clouding and solubilization behavior of Pluronic F127 solutions. *Journal of Colloid and Interface Science*. 222(2):213-220, 2000 February 15.

Bohorquez M, **Koch C**, Trygstad T and Pandit N. A study of temperature-dependent micellization of Pluronic F127. *Journal of Colloid and Interface Science*. 216(1):34-40, 1999 August 1.

NON-PEER-REVIEWED PUBLICATIONS

Koch CA. Review of Complications in Facial Plastic Surgery. Randolph B. Capone and Jonathan M. Sykes. *Archives of Facial Plastic and Reconstructive Surgery*. (In Press)

Koch CA. In this Issue of JAMA Facial Plastic Surgery. *JAMA Facial Plastic Surgery*. 15(1):7, 2013 Jan.-Feb.

Koch CA. Highlights of Archives of Facial Plastic Surgery. *Archives of Facial Plastic Surgery*. 14(6):384, 2012 Nov.-Dec.

BOOK CHAPTERS

Koch CA. Head and Neck Trauma. In: Otolaryngology Head and Neck Surgery Clinical Reference Guide. 4th ed. Pasba R, ed. Plural Publishing Inc. (In Preparation)

Koch CA and Lalich I. Rhinology. In: ENT Rapid Board Review, 1st ed. Archibald DJ, Carlson ML, Van Abel K and Price D, ed. Thieme. (In Preparation)

Archibald DJ and **Koch CA**. Facial Plastic and Reconstructive Surgery. In: ENT Rapid Board Review, 1st ed. Archibald DJ, Carlson ML, Van Abel K and Price D, ed. Thieme. (In Preparation)

Koch CA and Larrabee W. Biomechanics of Skin and Local Flaps. In: Local Flaps in Facial Reconstruction, 3rd ed. Baker S, ed. Mosby. (In Press)

Koch CA, Bradley E and Larrabee W. Ptosis Repair. In: Facial Surgery: Plastic and Reconstructive, 2nd ed. Hadlock T and Cheney M, ed. Williams and Wilkins. (In Press)

Silva I, **Koch CA**, Lynch RJ and Platt JL. Accommodation in the fetus. In: Human Fetal Tissue Transplantation. Bhattacharya N and Stubblefield P, ed. Berlin:Springer-Verlag. 2013.

Koch CA and Platt JL. Immune privilege of stem cells. In: The Immunological Barriers to Regenerative Medicine. Fairchild PJ, ed. Berlin:Springer-Verlag. 2013.

Cascalho M, **Koch CA** and Platt JL. B cell tolerance and accommodation. In: Incompatible Solid Organ Transplantation. Segev DL and Montgomery RA, eds. Berlin:Springer-Verlag. 2008.

ORAL PRESENTATIONS

Koch CA, Carlson ML, Olsen SM. Facial Trauma. Management of pan-facial fractures. Mayo Clinic Otolaryngology Grand Rounds. Rochester, MN. April 16, 2012.

Koch CA. Eyelid Reconstruction. Mayo Clinic Otolaryngology Grand Rounds. Rochester, MN. Oct. 11, 2011.

Koch CA. Facial Trauma. Physical examination of the trauma patient. Mayo Clinic Otolaryngology Grand Rounds. Rochester, MN. Aug. 8, 2011.

Koch CA. Complications of microvascular free flap surgery. Mayo Clinic ENT Specialty Nursing Course. Rochester, MN. February 2011.

Koch CA, Olsen SM and Moore EJ. Use of ultrasonic shears for the harvest of microvascular free-flaps: increased efficiency and cost savings. American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting and OTOExpo 2010. Boston, MA. September 2010.

Koch CA. Transplantation in Otolaryngology. Mayo Clinic Otolaryngology Grand Rounds. Rochester, MN. May 3, 2011.

Koch CA and Friedman O. Modified back-to-back autogenous conchal cartilage graft for caudal septal reconstruction in external and endonasal rhinoplasty. 10th International Symposium of Facial Plastic Surgery. Hollywood, FL. April 2010.

Koch CA, Olsen S and Moore EJ. Use of the Medicinal Leech for Salvage of Venous Congested Microvascular Free Tissue Transfer of the Head and Neck. Triological Combined Sections Meeting. Orlando, FL. March 2010.

Koch CA, Olsen S and Orvidas LJ. Spontaneous Epiglottic Hematoma and Airway Compromise Secondary to Supratherapeutic Anti-Coagulation with Warfarin. Triological Combined Sections Meeting. Orlando, FL. March 2010.

Koch CA. Vascular malformations of the head and neck. Mayo Clinic Otolaryngology Grand Rounds. Rochester, MN. July 15, 2009.

Koch CA. Penetrating Neck Trauma. Mayo Clinic Otolaryngology Grand Rounds. Rochester, MN. Jan. 26, 2009.

Koch CA, Greenlee S and Farley DR. Randomized prospective trial of endoscopic inguinal hernia repair: tacking versus no-tacking of mesh. Society of Laparoendoscopic Surgeons International Congress and Endo Expo. San Diego, CA. September 2005.

Koch CA, Grinberg GG and Farley DR. Incidence and risk factors for urinary retention following endoscopic inguinal hernia repair. Midwest Surgical Society Annual Meeting. Niagara on the Lake, Ontario, Canada. August 2005.

Koch CA and Platt JL. Divergent immunological properties of embryonic stem cells. FASEB Experimental Biology 2005. San Diego, CA. April 2005.

Koch CA, Grinberg GG and Farley DR. Urinary retention following endoscopic hernia repair. Minnesota Surgical Society Annual Meeting. Brainerd, MN. October 2004.

Koch CA, Kanazawa A, Holzknicht Z and Platt JL. Intrinsic regulation of human complement on porcine cells. VI Congress of the International Xenotransplantation Association. Chicago, IL. October 2001.

POSTER PRESENTATIONS

Koch CA, Olsen SM, Chinnadurai S and Moore EJ. Arteriovenous malformations of the head and neck. American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting and OTOExpo 2010. Boston, MA. September 2010.

Van Dorn C, Sittig S, **Koch CA**, Thompson DM and Carey W. Selective Fiberoptic Left Main-Stem Intubation to Treat a Bronchial Laceration in an Extremely Low Birth Weight Neonate. American Academy of Pediatrics National Conference and Exhibition. San Francisco, CA. October 2010.

Olsen SM, Romak JJ, **Koch CA**, Ekbom DC. Bilateral Vallecular Cysts as a Cause of Dysphagia. 113th Annual Combined Otolaryngological Spring Meetings. Las Vegas, NV. April 2010

Gross J, Olsen S, **Koch CA** and Moore EJ. Severe Symptomatic Hypocalcemia following Total Thyroidectomy and Roux-en-Y Gastric Bypass. 113th Annual Combined Otolaryngological Spring Meetings. Las Vegas, NV. April 2010.

Sittig S, **Koch CA**, Ahrens S, Van Dorn C, Thompson DM and Carey W. Treatment of Bronchial Lacerations in Low Birth Weight Neonates. 55th International Respiratory Congress. San Antonio, TX. December 2009.

Olsen SM, **Koch CA**, Orvidas LJ. Septic Arthritis: A Unique Complication of Septal Abscess. The Society for Ear, Nose and Throat Advances in Children. Salt Lake City, UT. December, 2009

Olsen SM, Olsen KD, Moore EJ, **Koch CA** and Kasperbauer JL. Parotid Metastases from Oral Cavity Squamous Cell Carcinoma. Second World Congress of the International Academy of Oral Oncology. Toronto, Canada. July 2009.

Jordan CE, **Koch CA** and Platt JL. Immunosuppression by Embryonic Stem Cells. Immunology 2006 – Annual Meeting of the American Association of Immunology. Boston, MA. May 2006.

Koch CA, Jordan CE and Platt JL. Complement-Dependent Control of Teratoma Formation by Embryonic Stem Cells. Immunology 2006 – Annual Meeting of the American Association of Immunology. Boston, MA. May 2006.

Koch CA, Reeder TL and Tefferi A. Comparison of Platelet-Rich Plasma Serotonin Level and Quantitative Neutrophil PRV-1 Assay in Chronic Myeloproliferative Diseases. American Society of Hematology Annual Meeting. San Diego, CA. December 2004.

Koch CA, Reeder TL and Tefferi A. Platelet Rich Plasma Serotonin Levels in Chronic Myeloproliferative Diseases: Marked Inter-Disease Variation and a Significant Difference from Secondary or Apparent Polycythemia. American Society of Hematology Annual Meeting. San Diego, CA. December 2003.

Nishitai R, Knudsen BE, Plummer TB, Butters KA, Ogata K, **Koch CA** and Platt JL. In vivo evaluation of survival and function of porcine hepatocytes into mice. 55th Annual Meeting of the American Association for the Study of Liver Diseases. Boston, MA. October 2003.

Nagata H, Nishitai R, Shirota C, Zhang J, **Koch CA**, Cai J, Awaad M, Schuurman HJ, Christians U, Platt JL and Fox IJ. Prolonged Survival of Porcine Hepatocytes in Cynomolgus Monkeys. 55th Annual Meeting of the American Association for the Study of Liver Diseases. Boston, MA. October 2003.

Smolen JE, Petersen TK, **Koch CA**, O'Keefe SJ, Seo S, Fossett MC and Simon SI. L-Selectin Signaling of Neutrophil Adhesion and Degranulation Involves p38 MAP Kinase. 42nd Annual Meeting of the American Society for Cell Biology. Washington, D.C. December 1999.

** Copies of publications available upon request.