

CURRICULUM VITAE

BOARD CERTIFICATION:

Board Certified by the American Board of Plastic Surgery

UNDERGRADUATE EDUCATION:

08/1990-12/1993 The College of William and Mary, Williamsburg, Virginia
B.S. Biology
06/1991-08/1991 Northeastern University, Boston Massachusetts.
Certified in Emergency Medical Technology – Basic

MEDICAL EDUCATION:

08/1994-05/1998 The University of Texas Health Science Center at San
Antonio
Doctor of Medicine. GPA: 3.94

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

06/1998-06/1999 Internship, General Surgery, Washington University School
of Medicine, Barnes-Jewish Hospital, Saint Louis, MO.
06/1999-06/2000 Resident, General Surgery, Washington University School
of Medicine, Barnes-Jewish Hospital, Saint Louis, MO
06/2000-06/2002 Research Fellow in General Surgery, Washington
University School of Medicine, Saint Louis, MO
06/2002-06/2003 Resident, General Surgery, Washington University School
of Medicine, Barnes-Jewish Hospital, Saint Louis, MO
07/2003-06/2005 Resident, Plastic and Reconstructive Surgery, Washington
University School Of Medicine, Barnes-Jewish Hospital,
Saint Louis, MO
07/2004-06/2005 Chief Resident in Plastic and Reconstructive Surgery,
Washington University School of Medicine, Barnes-Jewish
Hospital, Saint Louis, MO

FACULTY APPOINTMENTS:

12/2006-present Adjunct Assistant Professor, University of Houston,
College of Pharmacy

ADMINISTRATIVE APPOINTMENTS:

11/2006–04/2007 Organizational chairman for the 2007 Annual Meeting of the
Texas Cosmetic Surgical Society

EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:

08/2000-12/2000 "Clinical Skills Course" preceptor for second year medical students, Washington University School of Medicine, Saint Louis, MO
01/2001-05/2001 "Practice of Medicine I" preceptor for first year medical students, Washington University School of Medicine, Saint Louis, MO
10/2001-12/2001 Gross anatomy teaching assistant, Washington University School of Medicine, Saint Louis, MO
01/2002-05/2002 "Clinical Skills Course" preceptor for first year medical students, Washington University School of Medicine, Saint Louis, MO
05/2005 Instructor for "Mini-medical school" community didactics program, Washington University School of Medicine, Saint Louis, MO

HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:

07/2004-06/2005 Chief Resident in Plastic and Reconstructive Surgery, Washington University School of Medicine, Barnes-Jewish Hospital, Saint Louis, MO

RESEARCH ADMINISTRATIVE APPOINTMENTS:

02/2007-present Investigator, MemoryGel Breast Implant Post-Approval Study, Houston, TX

HOSPITAL STAFF PRIVILEGES:

09/2005-present The Methodist Hospital, 6565 Fannin, Houston, TX 77030

AWARDS AND HONORS:

09/1997 Elected to Alpha Omega Alpha medical honor society
09/1997 "Outstanding Performance in the Medicine Clerkship Award"

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

09/1997-present Alpha Omega Alpha Medical Honor Society
10/2005-present Texas Medical Association
10/2005-present Harris County Medical Society
4/2008-present American Society of Plastic Surgeons
10/2008-present Fellow of the American College of Surgeons

NATIONAL ELECTED/APPOINTED LEADERSHIP POSITIONS:

6/2008 Citizen Ambassador to China, American Society of Plastic Surgeons' People to People Citizen Ambassador Program

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Title: Immunology Training Grant
Source: NIH, T. Mohanakumar
Role: Research Fellow, Department of Surgery
Dates: July 1, 2000 - June 30, 2002

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Regional:

Brice W. McKane, M.D., "The Dual Plane is a Solution to Correct Capsular Contracture Following Breast Augmentation," 2007 Annual Meeting of the Texas Cosmetic Surgical Society, Houston, TX (04/2007)

Brice W. McKane, M.D., "Periorbital Aesthetics: A Study in Ethnic Aging," 2007 Annual Meeting of the Texas Cosmetic Surgical Society, Houston, TX (04/2007)

Brice W. McKane, M.D., "But Doctor, I only smoke a little bit..." 2008 Annual Meeting of the Texas Cosmetic Surgical Society, Grapevine, TX (04/2008)

Local:

Brice W. McKane, M.D., "The Art and Legend of Tissue Grafting," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (03/2003)

Brice W. McKane, M.D., "Snake Envenomation," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (08/2003)

Brice W. McKane, M.D., "Acute Extensor Tendon Repair," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (09/2003)

Brice W. McKane, M.D., "Free TRAM Flaps in Breast Reconstruction," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (10/2003)

Brice W. McKane, M.D., "Skin Rejuvenation: Chemical Peels," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (12/2003)

Brice W. McKane, M.D., "Problematic Mandible Fractures," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (02/2004)

Brice W. McKane, M.D., "Simplifying Otoplasty," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (04/2004)

Brice W. McKane, M.D., "What Are the Ideal Periorbital Aesthetics?" Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (05/2004)

Brice W. McKane, M.D., "Are There Differences in Periorbital Aging Between African Americans and Caucasian Females?" Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (06/2004)

Brice W. McKane, M.D., "Complications in Bilateral Cleft Lip Repair," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (07/2004)

Brice W. McKane, M.D., "Refinements in Abdominoplasty," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (07/2004)

Brice W. McKane, M.D., "Optimizing Outcomes in Periorbital Rejuvenation," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (08/2004)

Brice W. McKane, M.D., "Management of Chemotherapeutic Extravasations," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (09/2004)

Brice W. McKane, M.D., "Biomedical Photography: 101," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (09/2004)

Brice W. McKane, M.D., "Lower Extremity Reconstruction with Free Flaps," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (10/2004)

Brice W. McKane, M.D., "Surgical Management of Hydradenitis Suppurativa," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (11/2004)

Brice W. McKane, M.D., "Smoking Stinks: Tobacco and Plastic Surgery," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (01/2005)

Brice W. McKane, M.D., "Whatchamacallits," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (03/2005)

Brice W. McKane, M.D., "The Art and History of American Surgery," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (04/2005)

Brice W. McKane, M.D., "Defining Differences in Periorbital Aesthetics between African-American, Caucasian, and Asian Females," Grand Rounds, Barnes-Jewish Hospital, Saint Louis, MO (06/2005)

Brice W. McKane, M.D., "What Does a Plastic Surgeon Do?" Roberts Elementary School, Houston, TX (04/2006)

Brice W. McKane, M.D., "A history of man's inhumanity to man," University of Houston, Houston, TX (07/2007)

PEER REVIEWED WORKSHOPS/PRESENTATIONS

International:

Brice W. McKane, M.D., Ramachandran S, and Mohanakumar T. Inhibition of porcine endogenous retrovirus infection of human cells *in vivo* by anti-gal-alpha(1,3)gal natural xenoreactive antibodies. Poster presentation at the XIX International Congress of the Transplantation Society, Miami, August 2002.

National:

Brice W. McKane, M.D., Kaleem Z, and Mohanakumar T. Effect of CD40 blockade alone or in combination with donor bone marrow on the development of obstructive airway disease. Poster presentation at the ASHI 27th Meeting, San Francisco, October 2001.

Brice W. McKane, M.D., Xu XC, and Mohanakumar T. *In vivo* porcine endogenous retroviral infection of human peripheral blood mononuclear cells in a murine severe combined immunodeficiency model. Poster presentation at the ASHI 27th Meeting, San Francisco, October 2001.

Brice W. McKane, M.D., Ramachandran S, Xu XC, O'lack BJ, and Mohanakumar T. Human natural xenoreactive antibodies inhibit *in vivo* porcine endogenous retrovirus infection of human peripheral blood cells in a human reconstituted murine severe combined immunodeficiency model. Oral presentation at the American Transplant Congress, joint American transplant meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Washington, DC, April 2002

Brice W. McKane, M.D., Jendrisak MD, Marshbank S, Kaleem Z, Patterson GA, Mohanakumar T. Pirfenidone delays the onset of obstructive airway disease in a murine heterotopic tracheal transplant model. Poster presentation at the ASHI 28th Meeting, Nashville, October 2002.

Brice W. McKane, M.D., Fernandez F, Marshbank S, Margolin S, Kaleem Z, Patterson GA, Mohanakumar T. Obliterative airway disease is delayed in a murine heterotopic tracheal transplant model by daily administration of pirfenidone. Oral presentation at the American College of Surgeons 89th Annual Clinical Congress, Chicago, October 2003.

Ramachandran S, Jaramillo A, **Brice W. McKane, M.D.**, Chapman WC, Mohankumar T. Identification of MHC-class restricted T cell epitopes derived from porcine endogenous retrovirus recognized by human CD8⁺ CTLs. Poster presentation at the American Transplant Congress, joint American transplant meeting for the American Society of Transplant Surgeons and the American Society of Transplantation, Washington, DC, June 2003.

Brice W. McKane, M.D.¹, Fernandez F¹, Jaramillo A, Patterson GA, Mohanakumar T. Prevention of obliterative airway disease through tolerance induction following CD40 costimulatory blockade in combination with donor

bone marrow cell infusion. Oral presentation at the ASHI 29th Meeting, Miami, October 2003. ¹Contributed equally to this work.

MEDICAL COLLEGE TEACHING ACTIVITIES:

Medical Student Education:

06/1998-06/2005 Instructor for Washington University School of Medicine students rotating on surgical services

Resident & Fellow Education:

09/2005-present Instructor for Plastic Surgery residents and fellows at The Methodist Hospital, Houston, TX

BIBLIOGRAPHY

ABSTRACTS:

1. **McKane BW**, Kaleem Z, and Mohanakumar T. Effect of CD40 blockade alone or in combination with donor bone marrow on the development of obstructive airway disease. *Human Immunol* 62:Suppl.1:S103, 2001.
2. **McKane BW**, Xu XC, and Mohanakumar T. In vivo porcine endogenous retroviral infection of human peripheral blood mononuclear cells in a murine severe combined immunodeficiency model. *Human Immunol* 62:Suppl.1:D168, 2001.
3. **McKane BW**, Jendrisak MD, Marshbank S, Kaleem Z, Patterson GA, Mohanakumar T. Pirfenidone delays the onset of obstructive airway disease in a murine heterotopic tracheal transplant model. *Human Immunol* 63;10:S72, 2002.
4. **McKane BW**¹, Fernandez F¹, Jaramillo A, Patterson GA, Mohanakumar T. Prevention of obliterative airway disease through tolerance induction following CD40 costimulatory blockade in combination with donor bone marrow cell infusion. *Human Immunol* 64; 10:S26, 2003. ¹Contributed equally to this work.

REFEREED JOURNAL PUBLICATIONS/ORIGINAL PAPERS

1. **McKane BW**, Trulock EP, Patterson GA, and Mohanakumar T. Lung transplantation and bronchiolitis obliterans: an evolution in understanding. *Immunologic Research*. 24(2):177-90, 2001.
2. Goodman, J, **McKane BW**, and Mohanakumar T. Current issues in xenotransplantation. *Graft*. 5(1):34-39, 2002.
3. **McKane BW**, Ramachandran S, Yang J, Xu XC, and Mohanakumar T. Human natural xenoreactive antibody prevents porcine endogenous retrovirus infection of human mononuclear cells in vivo. *Human Immunology* 64:708-717, 2003
4. **McKane BW**, Fernandez F, Narayan K, Marshbank S, Margolin SB, Jendrisak M, and Mohanakumar T. Pirfenidone inhibits obliterative airway disease in a murine heterotopic tracheal transplant model. *Transplantation* 77(5):664-9, 2004.

5. **McKane BW**, Ramachandran S, Xu XC, O'lack BJ, Chapman WC, Mohanakumar T. Natural antibodies prevent in vivo transmission of porcine islet derived endogenous retrovirus to human cells. *Cell Transplantation* 13 (2):137-43, 2004 .
6. Ramachandran S, Jaramillo A, Xu XC, **McKane BW**, Chapman WC, Mohanakumar T. Porcine endogenous retrovirus-derived peptides are naturally presented on porcine and infected human cells: Identification of dominant epitopes recognized by human CD8+ cytotoxic T lymphocytes. *Transplantation*. 77(10):1580-8, 2004
7. **McKane BW**¹, Fernandez FG¹, Marshbank S, Patterson GA, and Mohanakumar T. Inhibition of obliterative airway disease development following heterotopic murine tracheal transplantation by costimulatory molecule blockade using anti-CD40 ligand alone or in combination with donor bone marrow. *J Heart and Lung Transplantation* 24(7 Suppl):S232-8, 2005. ¹Contributed equally to this work

BOOKS, CHAPTERS & REVIEWS:

1. **McKane BW**, Hovsepian DM, and Shenoy S. Vascular access, tubes, and drains. Washington University Manual of Surgery, Third edition. May 2002.

NON-REFEREED JOURNAL PUBLICATIONS/ORIGINAL PAPERS

1. **McKane BW**. "Commonly Asked Questions about Breast Contouring Answered by Dr. Brice W. McKane." Nu-Image, Winter Edition, 2005