

CURRICULUM VITAE

Name: DAVID MICHAEL BROWN, M.D., F.A.C.S.

Date & Place of Birth: March 28, 1962, St. Louis, Missouri.

Citizenship: U.S.A.

Education:

8/80 - 5/84 Texas Christian University, Ft. Worth, Texas.
B.S. Biology.

8/85 - 6/90 University of Texas Health Science Center, San Antonio, Texas.
M.D. Degree.

Graduate Hospital Experience:

7/90 - 6/91 Intern, General Surgery
Washington University School of Medicine, St. Louis, Missouri.

7/91 - 6/93 Resident, General Surgery
Washington University School of Medicine, St. Louis, Missouri.

7/93 - 6/95 Research Fellow, Reconstructive Microsurgery Laboratory
Division of Plastic Surgery
Washington University School of Medicine, St. Louis, Missouri.

7/95 - 6/96 Resident, Plastic Surgery (Paul M. Weeks, M.D.)
Washington University School of Medicine, St. Louis, Missouri.

7/96 - 6/97 Chief Resident, Plastic Surgery (Susan E. Mackinnon, M.D.)
Washington University School of Medicine, St. Louis, Missouri.

8/97 - 7/98 Fellow, Orthopedic Surgery Hand, Upper Extremity and
Microsurgery Fellowship (David P. Green, M.D.)
University of Texas Health Science Center, San Antonio, Texas.

Board Certification:

2001 The American Board of Plastic Surgery, Certificate # 6149

2003 Subspecialty of Surgery of the Hand, Certificate # 543

2010 Recertification Plastic Surgery, Certificate # 6149

2010 Recertification Surgery of the Hand, Certificate # 543

2013 Certification In Evaluation of Disability and Impairment
Ratings (CEDIR) AMA Guides 6th edition

Academic/Professional Appointments:

1997 – 1998	Assistant Instructor, Department of Orthopedic Surgery, University of Texas Health Science Center, San Antonio, Texas
1998 – 2006	Clinical Instructor, Department of Orthopedic Surgery, St. Louis University School of Medicine, St. Louis, Missouri
2005 – Present	Hand Surgery Consultant, St. Louis Cardinals, St. Louis, Missouri
2013 – 2014	Associate Team Physician, Hand Specialist, St. Louis Cardinals, St. Louis, Missouri

Hospital Appointments:

7/98 - Present	Active Staff, Barnes-Jewish West County Hospital, St. Louis, Missouri
2/99 - Present	Active Staff, Des Peres Hospital, St. Louis, Missouri
5/99 - Present	Provisionary Staff, Missouri Baptist Medical Center, St. Louis, Missouri
2/06 - Present	Active Staff, Timberlake Surgery Center, St. Louis, Missouri

Licensure:

2/97 - Present	Missouri # MD112100
8/97 - Present	Texas # K3113
12/10 -Present	Illinois # 036126990

Committees:

1/99 - 2/01	Credentialing Committee Barnes-Jewish West County Hospital, St. Louis, Missouri
2/01 - 7/03	Operating Room Committee Barnes-Jewish West County Hospital, St. Louis, Missouri
2013 – Present	Member, Evidence Based Practice Committee, American Society for Surgery of the Hand

Medical and Academic Society Memberships:

American Society for Surgery of the Hand

American Association for Hand Surgery

American College of Surgeons, Fellow

Peripheral Nerve Society

American Medical Association

American Society of Plastic Surgeons

Plastic Surgery Educational Foundation

St. Louis Metropolitan Medical Society

St. Louis Area Society of Plastic Surgeons

Missouri Association of Plastic and Reconstructive Surgeons

Missouri State Medical Association

Scientific Recognition and Awards:

Cum Laude - Texas Christian University 1984.

First Place Award, Resident's Competition, 23rd Annual Meeting of the Missouri Chapter of the American College of Surgeons, June 28, 1991, Lake Ozark, Missouri.

First Place Award, Resident's Competition, Annual Meeting of the St. Louis Society of Plastic & Reconstructive Surgeons, May 25, 1994, St. Louis, Missouri.

Second Place Award, Resident's Competition, 25th Anniversary Meeting of the American Association for Hand Surgery, January 14, 1995, Marco Island, Florida.

First Place Award, Resident's Competition, Annual Meeting of the St. Louis Society of Plastic & Reconstructive Surgeons, May 10, 1995, St. Louis, Missouri

Clifford C. Snyder, M.D., Past Chairman Award, 40th Annual Meeting of the Plastic Surgery Research Council, May 20, 1995, New York, New York.

Scientific Recognition and Awards (continued):

Second Place Award, Resident's Competition, 28th Annual Meeting of the Missouri Chapter of the American College of Surgeons, June 16, 1995, Lake Ozark, Missouri.

First Place Award, Resident's Competition, Annual Meeting of the St. Louis Society of Plastic & Reconstructive Surgeons, May 15, 1995, St. Louis, Missouri.

First Place Award, Resident's Competition, Annual Meeting of the St. Louis Society of Plastic & Reconstructive Surgeons, May 23, 1996, St. Louis, Missouri.

Recognized as a "Best Doctor in America" in Hand Surgery. 2009 Best Doctors Issue of St. Louis Magazine.

Recognized as a "Best Doctor in America" in Hand Surgery. 2010 Best Doctors Issue of St. Louis Magazine.

Recognized as one of "America's Top Surgeons". 2009, 2010, 2011, 2012, 2013, 2014

Patents:

"Method of Inhibiting Intimal Hyperplasia"
U.S. Patent WU-2857 (filed December 1994)

Bibliography:

Published Peer Reviewed Journal Articles and Abstracts

1. Cronin, R.E., Brown, D.M. The Effect of T4 Uranyl Nitrate Induced Changes in GFR and Renal Cortex Homogenate Enzyme Activities. *Clin. Res.* 32:875, 1984.
2. Brown, D.M., Khouri, R.K. Fabrication of Autogenous Bony Spare Parts Using Osteoinductive Growth Factors. *Surg. Forum* 41:593-594, 1990.
3. Young, V.L., Brown, D.M., Young, A.E. Gynecomastia. *Mo. Med.* 88(3):153-158, 1991.
4. Brown, D.M., Miller, J.A., Pasia, E.N., Khouri, R.K. Soft Tissue Augmentation Using Lipogenic Growth Factors. *Plast. Surg. Forum.* 18:236-237, 1995.
5. Kania, N.M., Pasia, E.N., Brown, D.M., Khouri, R.K. A New Method of Vascular Anastomosis: Microstaples with Soluble Intraluminal Stents as Anvils. *Plast. Surg. Forum.* 18:159-160, 1995.

Published Peer Reviewed Journal Articles and Abstracts (continued)

6. Brown, D.M., Chung, S.H., Lantieri, L.A., Kania, N.M., Hodge, J.C., Vannier, M.W., Khouri, R.K. *In Situ* Generation Of Vascularized Joint Replacements. *Surg. Forum.* 46:589-593, 1995.
7. Khouri, R.K., Brown, D.M., Choi, E.T., Kania, N.M., Pasia, E.N., Lantieri, L.A. Local Application Of Tissue Factor Pathway Inhibitor (TFPI) Inhibits Intimal Hyperplasia Induced By Arterial Interventions. *Surg. Forum.* 46:389-391, 1995.
8. Cronin, R.E., Brown, D.M., Simonsen, R. Protection by Thyroxine in Nephrotoxic Acute Renal Failure. *Am. J. Physiol.* 251:408-416, 1986.
9. Brown, D.M., Fremling, M., Kraemer, B.A., Young, V.L. The Effect of Mussel Adhesive Protein on Skin Graft Inhibition of Wound Contraction. *Wounds.* 2(1):1-8, 1990.
10. Brown, D.M., Garner, W., Young, V.L. Dermal Components in Skin Graft Inhibition of Wound Contraction. *South. Med. J.* 83:789-795, 1990.
11. Brown, D.M., Marsh, J.L. Agnathia and Associated Malformations:A Case Report. *Cleft Palate J.* 27(4):415-418, 1990.
12. Cooper, R., Brown, D.M. Pretransfer Expansion of a Scalp Free Flap for Burn Alopecia Reconstruction in a Child: A Case Report. *J. Reconstr. Microsurg.* 6:339-343, 1990.
13. Pierce, G.F., Brown, D.M., Mustoe, T.A. Quantitative Analysis of Inflammatory Cell Influx, Procollagen Type I Synthesis, and Collagen Cross-Linking in Incisional Wounds: Influence of PDGF-BB and TGF-B1 Therapy. *J. Lab. Clin. Invest.* 117:373-381, 1991.
14. Khouri, R.K., Brown, D.M., Leal-Khouri, S.M., Tark, K.C., Shaw, W. The Effect of Basic Fibroblast Growth Factor on the Neovascularization Process: Skin Flap Survival and Staged Flap Transfers. *Br. J. Plast. Surg.* 44(8):585-588, 1991.
15. Brown, D.M., Barton, B., Young, V.L., Pruitt, Jr., B.A. Decreased Wound Contraction with Fibrin Glue Fixation of Skin Grafts. *Arch. Surg.* 127:404-409, 1992.
16. Brown, D.M., Young, V.L. Hand Infections. *South. Med. J.* 86(1):56-66, 1993.
17. Brown, D.M., Young, V.L. Reduction Mammoplasty for Macromastia. *Aesthet. Plast. Surg.* 17(3):211-23,1993.

Published Peer Reviewed Journal Articles and Abstracts (continued)

18. Brown, D.M., Sicard, G.A., Flye, M.W., Khouri, R.K. Closure of Complex Abdominal Wall Defects Using Bilateral Extended Rectus Femoris Flaps. *Surg.* 114(1):112-116, 1993.
19. Brown, D.M., Young, V.L., Groner, J.P., Higgs, P.E., Gilula, L.A. Intraosseous Ganglion of the Trapezoid. *J. Hand Surg.* 19(4):607-608, 1994.
20. Choi, E.T., Callow, A.D., Sehgal, N.L., Brown, D.M., Ryan, U.S. Halofuginone, a Specific Collagen Type I Inhibitor, Reduces Anastomotic Intimal Hyperplasia. *Arch. Surg.* 130(3):257-261, 1995.
21. Ozbeck, M.R., Brown, D.M., Deune, E.G., Lantieri, L.A., Kania, N.M., Pasia, E.N., Cooley, B.C., Wun, T., Khouri, R.K. Topical Tissue Pathway Inhibitor Improves Free Flap Survival in a Model Simulating Free Flap Errors. *J. Reconstr. Microsurg.* 11(3):185-188, 1995.
22. Brown, D.M., Hong, S.P., Farrel, C.L., Pierce, G.F., Khouri, R.K. Platelet-Derived Growth Factor-BB Induces Functional Vascular Anastomoses *In Vivo*. *Proc. Natl. Acad. Sci. USA.* 92:5920-5924, 1995.
23. Brown, D.M., Kania, N.M., Lantieri, L.A., Pasia, E.N., Khouri, R.K. Effect of Phosphate Concentration in Buffered Irrigating Solutions on Arterial Thrombosis. *Microsurg.* 16:757-759, 1995.
24. Brown, D.M., Chung, S.H., Pasia, E.N., Khouri, R.K. Treatment of Nonhealing Ulcers with Cytokine-Induced Tissue Generation and Skin Grafting. *Am. J. Surg.* 171:247-250, 1996.
25. Lantieri, L.A., Ozbeck, M.R., Deune, E.G., Ornberg, R.L., Brown, D.M., Chung, S.H., Wun, T., Cooley, B.C., Khouri, R.K. Prevention of Microvascular Thrombosis by Topical Application of Recombinant Tissue Factor Pathway Inhibitor. *Plast. Reconstr. Surg.* 97:587-594, 1996.
26. Khouri, R.K., Brown, D.M., Koudsi, B., Deune, E.G., Gilula, L.A., Cooley, B.C., Reddi, A.H. Repair of calvarial defects with flap tissue: role of bone morphogenetic proteins and competent responding tissues. *Plast. Reconstr. Surg.* 98:103-9, 1996.
27. Brown, D.M., Chung, S.H., Lantieri, L.A., Sampath, T.K., Kania, N.M., Hodge, J.C., Vannier, M.W., Khouri, R.K. Hemijoint Reconstruction Using Lyophilized Osteochondral Allografts With An Intramedullary Muscle Flap. *Clin. Orthop.* 334:282-90, 1997.

Published Peer Reviewed Journal Articles and Abstracts (continued)

28. Brown, D.M., Kania, N.M., Choi, E.T., Lantieri, L.A., Pasia, E.N., Wun, T., Khouri, R.K. Local Application of Tissue Factor Pathway Inhibitor (TFPI) Inhibits Intimal Hyperplasia Induced by Arterial Interventions. *Arch. Surg.* 131:1086-90, 1996.
29. Lee, E.L., Rubin, D.A., Brown, D.M.: Recurrent Mycobacterium marinum tenosynovitis of the wrist mimicking extraarticular synovial chondromatosis on MR images. *Skeletal Radiol.* 33(7): 405-8, 2004.
30. Brown, D.M., Hammert, W.C., Goldfarb, C.A.: Evidence-Based Medicine Reviews of Hand and Upper Extremity. *J Hand Surg Am.* 39:2113-2116, 2014

III. Presentations/Invited Speaker

1. Cronin, R.E., Brown, D.M. The Effect of T4 Uranyl Nitrate Induced Changes in GFR and Renal Cortex Homogenate Enzyme Activities. The Southern Society for Clinical Investigation, New Orleans, Louisiana, January 30, 1985.
2. Brown, D.M., Garner, W., Young, V.L. Dermal Components in Skin Graft Inhibition of Wound Contraction. 23rd Annual Meeting of the Missouri Chapter of the American College of Surgeons, Lake Ozark, Missouri, June 10, 1988.
3. Brown, D.M., Khouri, R.K. Custom Fabrication of Vascularized Bone Grafts Using Osteoinductive Transforming Growth Factors. 35th Annual Plastic Surgery Research Council, Washington, D.C., April 18, 1990.
4. Brown, D.M., Khouri, R.K. Custom Fabrication of Vascularized Bone Grafts Using Osteoinductive Transforming Growth Factors. 76th Annual Clinical Congress of the American College of Surgeons, San Francisco, California, October 9, 1990.
5. Brown, D.M., Chung, S.H., Lantieri, L.A., Sampath, T.K., Vannier, M.W., Khouri, R.K. Joint Replacement with Osteogenic Protein-Treated Lyophilized Allografts and Muscle Flaps. 39th Annual Plastic Surgery Research Council, Ann Arbor, Michigan, June 5, 1994.
6. Lantieri, L.A., Ozbeck, M.R., Deune, E.G., Ornberg, R.L., Brown, D.M., Chung, S.H., Wun, T., Khouri, R.K. Recombinant TFPI Prevents Thrombosis of Microvascular Anastomoses by Binding to Specific Sites on the Thrombogenic Surface. 39th Annual Plastic Surgery Research Council, Ann Arbor, Michigan, June 5, 1994.

Presentations (continued):

7. Brown, D.M., Chung, S.H., Lantieri, L.A., Khouri, R.K. Coronary Artery Bypass Without a Vascular Anastomosis. 39th Annual Plastic Surgery Research Council, Ann Arbor, Michigan, June 7, 1994.
8. Brown, D.M., Khouri, R.K., Chung, S.H., Lantieri, L.A. *In Situ* Generation of Vascularized Bone Grafts Using Lyophilized Allografts, Muscle Flaps, and Osteogenic Protein-Type 1. 25th Anniversary Meeting of the American Association for Hand Surgery, Marco Island, Florida, January 14, 1995.
9. Khouri, R.K., Brown, D.M., Chung, S.H., Hong, S.P. Cytokine-Induced Internal Mammary to Coronary Anastomosis. 56th Annual Meeting of the Society of University Surgeons, Denver, Colorado, February 10, 1995.
10. Brown, D.M., Chung, S.H., Lantieri, L.A., Kania, N.M., Hodge, J.C., Vannier, M.W., Pasia, E.N., Khouri, R.K. *In Situ* Generation Of Vascularized Joint Replacements. 40th Annual Plastic Surgery Research Council, New York, New York, May 18, 1995.
11. Brown, D.M., Lantieri, L.A., Kania, N.M., Pasia, E.N., Khouri, R.K. Reversal of Skin Aging: Evidence for an Aging Factor. 40th Annual Plastic Surgery Research Council, New York, New York, May 20, 1995.
12. Brown, D.M., Miller, J.A., Pasia, E.N., Khouri, R.K. Soft Tissue Augmentation Using Lipogenic Growth Factors. 64th Annual Scientific Meeting of the American Society of Plastic and Reconstructive Surgeons, Montreal, Quebec, Canada, October 11, 1995.
13. Brown, D.M., Kania, N.M., Choi, E.T., Lantieri, L.A., Pasia, E.N., Wun, T., Khouri, R.K. Local Application of Tissue Factor Pathway Inhibitor (TFPI) Inhibits Intimal Hyperplasia Induced by Arterial Interventions. 81th Annual Clinical Congress of the American College of Surgeons, New Orleans, Louisiana, October 25, 1995.
14. Brown, D.M., Kania, N.M., Pasia, E.N., Khouri, R.K. A New Method of Vascular Anastomosis: Microstaples with Soluble Intraluminal Stents as Anvils. 11th Annual Meeting of the American Society of Reconstructive Microsurgery, Tuscon, Arizona, January 15, 1996.
15. Young-Jin, S., Casoli, V., Pelissier, P., Toeniskoetter, D., Sampath, K., Brown, D.M., Khouri, R.K. Regeneration of Articular Cartilage Defects with OP-1 Treated Lyophilized Cartilage Allografts. 41st Annual Plastic Surgery Research Council, St. Louis, Missouri, June 2, 1996.

Presentations (continued):

16. Brown, D.M., Pederson, W.C. Instructional Course: Vascular Disorders of the Upper Extremity. American Society for Reconstructive Microsurgery Fourteenth Annual Meeting, Kamuela, Hawaii, January 16, 1999
17. Brown, D.M. Extensor Tendon Repairs. Extensor Tendon Injuries. A Workshop for Allied Health Professionals, St. Louis, Missouri, September 26, 2000.
18. Brown, D.M. Carpal Tunnel Syndrome: Is it Work Related or Not? The Twelfth Annual "Missouri Issues in Workers' Compensation". Division of Workers' Compensation, Missouri Department of Labor and Industrial Relations, St. Louis, Missouri, June 12, 2006.
19. Brown, D.M. Carpal Tunnel Syndrome. Worker's Compensation: Back To Basics. Worker's Compensation Law Section, Illinois State Bar Association, October 9, 2006.
20. Brown, D.M. A Primer on the Upper Extremity. Kid's Chance of Missouri Annual Worker's Compensation Seminar, June 19, 2009.
21. Brown, D.M. Epicondylitis-Carpal Tunnel Syndrome- Etiology, Diagnosis, and Treatment. Advanced Worker's Compensation- 2011. Worker's Compensation Law Section, Illinois State Bar Association, February 21, 2011.
22. Brown, D.M. Repetitive Motion Injuries: From Start to Finish. Corvel Repetitive Motion Injuries Seminar, March 16, 2011.
23. Brown, D.M. Upper Extremity Cumulative Trauma: Anatomy, Causation and Prevention. Boeing Safety Department, St. Louis, Missouri, August 13, 2012.
24. Brown, D.M. Upper Extremity Injuries in the Workplace. Genex Services Inc, November 2, 2012
25. Brown, D.M. 6th Edition AMA Guidelines Applied to Upper Extremity Impairment Ratings. Advanced Worker's Compensation 2013. Worker's Compensation Law Section, Illinois State Bar Association, February 18, 2013.
26. Brown, D.M. Upper Extremity injuries and Workers Compensation. SSM Spring Worker's Compensation Seminar, April 30, 2013.
27. Brown, D.M. Upper Extremity Injuries at The Workplace. Barnes Care Providers. BJC Learning Institute, St. Louis, Missouri May 28, 2013.

Presentations (continued):

28. Brown, D.M. Upper Extremity Issues in Workers Compensation. 19th Annual “Missouri Issues in Workers’ Compensation”. Division of Workers’ Compensation, Judges Agenda, Missouri Department of Labor and Industrial Relations, Osage Beach, Missouri, June 12, 2013.
29. Brown, D.M. Upper Extremity Injuries at the Workplace. SSM Workhealth. Maplewood WorkHealth Clinic, St. Louis, Missouri, July 18, 2013.
30. Brown, D.M. Malingering and Upper Extremity Injuries. Missouri Baptist Medical Center Clinical Learning Institute, St. Louis, Missouri, November 16, 2013.
31. Brown, D.M. Impairment VS Disability. Travelers St Louis Claims Academy. St. Louis Missouri, July 17, 2014

IV. Book Chapters

1. Brown, D.M., Upton, J., Khouri, R.K.: Free Flap Coverage of Hand Defects. In: *Clinics in Plastic Surgery*, W.B. Saunders Co., Philadelphia, 24:57-62, 1997.
2. Brown, D.M., Jones, T.R.: Endoscopic-Assisted Plastic Surgery. In: *Laparoscopic Surgery: Principles and Procedures*, Jones, D.B., Wu, J.S., Soper, N.J. (eds.), Quality Medical Publishing, Inc. 1997.