

Sirish Maddali, M.D.

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EDUCATION:

American Board of Surgery
Board Certified, 2006

Cornell University Medical College, New York, NY
Doctor of Medicine, Alpha Omega Alpha, May, 1998

Brown University, Providence, RI
B.Sc., Honors, *magna cum laude* (Biochemistry and Molecular Biology), 1994

Stuyvesant High School, New York, NY, 1990

SURGICAL TRAINING:

Plastic Surgery Fellowship, Department of Surgery, **University of California at San Francisco** – 2005-2007

General Surgery Residency, Department of Surgery, **The New York Presbyterian Hospital – Cornell** -1998-2000, 2002-2005. Chief Resident 2005.

Clinical and Research Fellow, Department of Surgery, **The New York Presbyterian Hospital – Cornell** – 2000-2002

RESEARCH/TEACHING EXPERIENCE:

Anatomy Lab Teaching Assistant and OR Assist Course Teaching Assistant for the Medical School, **University of California at San Francisco** - 2005-2007

Clinical Research Assistant, Department of Soft Tissue Research, **The Hospital for Special Surgery**. Sponsor: Dr. George Murrell. •*Primary investigator studying the role of nitric oxide in muscle cramps*. - 1995-1996

Clinical Research Assistant, Department of Soft Tissue Research, **The Hospital for Special Surgery**. Sponsor: Dr. Russell Warren. •*Primary investigator studying nitric oxide in traumatic arthritis*. - 1994-1996

Research Assistant, Department of Biochemistry, **Brown University**. Sponsor: Dr. Kailash Agarwal. •*Honors thesis, "Role of plasma adenosine in the antiplatelet actions of nitroglycerin."* - 1992-1994

Research Fellow, Cardiovascular Unit, **The Du Pont Merck Pharmaceutical Company, Wilmington, DE**. Sponsor: Dr. Tom Reilly. •*Developed a rat arterial thrombosis model for testing antithrombotic agents*; •*Tested novel antiplatelet agents in animal models to validate tissue factor as a target for antithrombotic research*. - 1992, 1993

Research Assistant, **Division of Biology, New York University**. Sponsor: Dr. Guenther Stotzky. •*Conducted research on the effects of releasing Genetically Engineered Microbes (GEMs) into soil*. - 1987-1990

HONORS/AWARDS:

- American College of Surgeons – Committee on Trauma, North-East Resident Trauma Paper Presentation winner (2001)
- Gustave Noback Memorial Prize for the top medical student in Anatomy (1998)
- Max Kade Fellow in International Medicine (1998) – Vienna, Austria
- Elected to the Alpha Omega Alpha (AOA) Honor Society (1997)
- Papanicolaou Fellow in Gross Anatomy (1997)
- 1996 3M Basic Science Award for best paper presentation at the 2nd World Congress on Sports Trauma/The American Orthopaedic Society for Sports Medicine (1996)
- Elected to The Society of Sigma XI (1994)
- Represented Brown University at the annual Association for Higher Education And Disability meeting in Maryland (1993)

- Top 300 (Semifinalist) Award; National Westinghouse Science Talent Search (1990)

PROFESSIONAL SOCIETIES:

- California Society of Plastic Surgeons (CSPS) – Active Member
- San Francisco Medical Society (SFMS) – Active Member
- American Medical Association (AMA) – Active Member
- American Association of Physicians of Indian Origin (AAPIO) – Active Member
- American Society of Maxillofacial Surgeons - Resident Member (2005-2007)
- American College of Surgeons - Candidate Member (2000-2004)

PERSONAL:

- Fluent in Telugu (Indian dialect); Conversational in French and Spanish
- Additional interests: basketball, weight lifting, traveling, digital photography, playing with my dog

BIBLIOGRAPHY:

Papers in preparation:

- Gastric physiology, Pancreatic physiology (book chapters). In: Blackburne, L. Extreme Surgical Recall.

Papers published:

- Maddali S, Smyth GP, Stapleton PP, Duff M, Yan Z, Cruz V, Daly JM. (2004) Neuroendocrine Responses Mediate Macrophage Function after Trauma. *Surgery* 136(5), 1038-46
- Maddali S, Stapleton PP, Freeman TA, Yan Z, Duff MD, Smyth GP, Daly JM. (2004) Altered Cyclooxygenase-2 Expression and Nitric Oxide Metabolism Following Major Elective Surgery. *J Surg Res* 116, 211-18.
- Maddali S, Daly JM. (2002) Gastrojejunostomy in Pancreatic Cancer: Is It Worthwhile? *Current Surgery*. *Curr Surg* 59(1), 17-21.
- Maddali S, Yan Z, Strong VEM, Duff M, Smyth GP, Mestre JR, Stapleton PP, Daly JM. (2001) Cyclooxygenase-2 is expressed in murine T-cells and altered after traumatic injury. *Surg Forum* LII, 180-2.
- Maddali S, Rodeo S, Barnes R, Warren RF, Murrell GA. (1998) Postexercise increase in nitric oxide in football players with muscle cramps. *Am J Sports Med* 26 (6), 820-4.
- Smyth GP, Stapleton PP, Freeman TA, Concannon EA, Mestre JR, Duff MD, Maddali S, Daly JM. (2004) Glucocorticoid Pretreatment Induces Cytokine Over Expression and NFκB Activation in Macrophages. *J Surg Res* 116, 253-61.
- Duff M, Stapleton PP, Mestre JR, Maddali S, Smyth GP, Yan Z, Freeman TA, Daly JM. (2003) Cyclooxygenase-2 inhibition improves macrophage function in melanoma and increases the antineoplastic activity of interferon gamma. *Ann Surg Oncol* 10(3):305-13.
- Smyth GP, Stapleton PP, Barden CB, Mestre JR, Freeman TA, Duff MD, Maddali S, Yan Z, Daly JM. (2003) Renal cell carcinoma induces prostaglandin e(2) and T-helper type 2 cytokine production in peripheral blood mononuclear cells. *Ann Surg Oncol* 10(4):455-62.
- Strong VE, Winter J, Yan Z, Smyth GP, Mestre JR, Maddali S, Schaefer PA, Yurt RW, Stapleton PP, Daly JM. (2001) Prostaglandin E2 receptors EP2 and EP4 are down-regulated in human mononuclear cells after injury. *Surgery* 130(2), 249-55.
- Mestre JR, Rivadeneira DE, Mackrell PJ, Duff M, Stapleton PP, Mack-Strong V, Maddali S, Smyth GP, Tanabe T, Daly JM. (2001) Overlapping CRE and E-box promoter elements can independently regulate COX-2 gene transcription in macrophages. *FEBS Lett* 496(2-3), 147-51.
- Murrell GA, Maddali S, Horovitz L, Oakley SP, Warren RF. (2001) The effects of time course after anterior cruciate ligament injury in correlation with meniscal and cartilage loss. *Am J Sports Med* 29 (1), 9-14.
- Smyth GP, Yan Z, Duff M, Maddali S, Matsuda T, Jacobs F, Vaughan ED, Stapleton PP, Daly JM. (2001) Cyclooxygenase-2 expression is up-regulated in renal cell carcinoma. *Surg Forum* LII, 591-3.
- Stapleton PP, Smyth GP, Barden CB, Duff M, Maddali S, Daly JM. (2001) Effect of a low-protein diet on peritoneal macrophage cytokine production and apoptosis. *Surg Forum* LII, 288-90.
- Duff M, Mestre JR, Yan Z, Smyth GP, Maddali S, Stapleton PP, Daly JM. (2001) Melanoma-induced suppression of macrophage cytotoxicity and nitric oxide production: reversal by a COX-2 inhibitor. *Surg Forum* LII, 246-8.
- Chiou AC, Kelly JL, Maddali S, Serur D, Stubenbord WT. (1999) *De novo* renal cell carcinoma in the allografted kidney. *Contemporary Surgery* 55(1), 21-8.

Abstracts:

- Smyth GP, Concannon BS, Maddali S, Mack VE, Mestre JR, Duff M, Stapleton PP, Daly JM. (2002) Glucocorticoid Surge after Trauma induces Cytokine Overexpression and NFκB Activation in Macrophages. The Registrars Prize, Royal Academy of Medicine in Ireland, Dublin.
- Murrell GA, Maddali S, Horovitz L, Warren RF. (1999) The effects of time since injury and meniscal loss on cartilage integrity in anterior cruciate ligament insufficient knees. Asia - Reducing the Injury List. Editor: J Feller, Melbourne, Australia, July 22-24, 1998. Australian Journal of Medicine and Science in Sport 2 (1) 117.
- Murrell GA, Maddali S, Rodeo S, Barnes R, Warren RF. (1999) Muscle cramps in American football players. Proceedings of Football Australia - Reducing the Injury List. Editor: J Feller, Melbourne, Australia, July 22-24, 1998. Australian Journal of Medicine and Science in Sport 2 (1) 105.
- Murrell GA, Maddali S, Horovitz L, Warren RF. (1999) The relationships between time since initial injury and meniscal loss on cartilage damage in ACL insufficient knees. 45th Annual Meeting Orthopaedic Research Society. Anaheim, California. Orthopaedic Transactions.
- Murrell GA, Maddali S, Horovitz L, Warren RF. (1999) Time and meniscal loss have independent, additive detrimental effects on cartilage integrity in ACL insufficient knees. SIROT congress, Sydney, Australia.
- Murrell GA, Maddali S, Horovitz L, Windsor, RE, Warren RF. (1999) Nitric oxide is elevated in early osteoarthritis. SIROT congress, Sydney, Australia.
- Murrell GA, Maddali S, Horovitz L, Warren RF. (1999) Time and meniscal loss have independent, additive effects on cartilage integrity in ACL insufficient knees. 21st World Congress of SICOT, Sydney, 1999.
- Murrell GA, Maddali S, Horovitz L, Warren RF. (1998) The effects of time since injury and meniscal loss on cartilage integrity in anterior cruciate ligament insufficient knee. 1998 Australian Conference of Science and Medicine in Sport, Adelaide, Australia, in 1998 Australian Conference of Science and Medicine in Sport Abstracts, Norton, K (ed), Sports Medicine Australia, Bruce. pp 182.
- Murrell GA, Maddali S, Rodeo S, Barnes R, Warren RF. (1998) Muscle cramps and nitric oxide in American football players. 1998 Australian Conference of Science and Medicine in Sport, Adelaide, Australia, 1998 Australian Conference of Science and Medicine in Sport Abstracts, Norton, K (ed), Sports Medicine Australia, Bruce. pp 181.
- Maddali S, Rodeo S, Barnes R, Warren RF, Murrell GA. (1998) Nitric oxide and muscle cramps. Orthopedic Transactions.
- Maddali S, Agarwal KC: Role of plasma adenosine in the antiplatelet actions of nitroglycerin. FASEB 1995, 9:A561.

Oral Presentations:

- Maddali S, Foster R. (2007) Maddali S, Foster R. (2007) Adjuvant Radiotherapy Is Not A Contraindication For Transverse Rectus Abdominis Myocutaneous Flap Reconstruction Post-Mastectomy
- Maddali S, Smyth GP, Stapleton PP, Duff M, Yan Z, Cruz V, Daly JM. (2002) Neuroendocrine Responses Mediate Macrophage Function after Trauma. Surgical Infection Society, Madrid, Spain.
- Maddali S, Yan Z, Strong VEM, Duff M, Smyth GP, Mestre JR, Stapleton PP, Daly JM. (2001) Cyclooxygenase-2 is expressed in murine T-cells and altered after traumatic injury. American College of Surgeons - Surgical Forum, New Orleans, LA.
- Maddali S, Yan Z, Strong VEM, Duff M, Smyth GP, Mestre JR, Stapleton PP, Daly JM. (2001) Cyclooxygenase-2 is expressed in murine T-cells and altered after traumatic injury. American College of Surgeons - Committee on Trauma, North-East Resident Trauma Competition, New York, NY.
- Maddali S, Rodeo S, Barnes R, Warren RF, Murrell GA. (1996) Changes in nitric oxide and serum chemistries in exercising professional football players. 2nd World Congress on Sports Trauma/American Orthopaedic Society for Sports Medicine 22nd Annual Meeting, Lake Buena Vista, Florida. American Orthopaedic Society for Sports Medicine 3M Basic Science Award.
- Maddali S, Rodeo S, Barnes R, Warren RF, Murrell GA. (1998) Nitric oxide and serum chemistries in exercising professional football players. 10th Combined Meeting Orthopaedic Associations of the English Speaking World, Auckland, New Zealand.
- Maddali S, Aggarwal K. (1995) Role of plasma adenosine in the antiplatelet actions of nitroglycerin. FASEB Experimental Biology 95 Symposium, Atlanta, GA.

Poster Presentations:

- Turner CH, Owan I, Takano Y, Maddali S, Murrell GA. (1995) Nitric oxide plays a role in bone mechanotransduction. Proceedings of the Annual Meeting of the American Society for Bone and Mineral Research, Orlando, Florida.
- Maddali S, Aggarwal K. (1994) Role of plasma adenosine in the antiplatelet actions of nitroglycerin. New England Annual Pharmacologist Meeting, Mystic, CT.
- Maddali S, Aggarwal K. (1993) Effects of *N*-acetylcysteine on PAF-induced platelet aggregation: potentiation by *L*-arginine. New England Annual Pharmacologist Meeting, Hanover, NH.