

UMER M. DARR

CURRENT POSTION

2009 Attending Cardiothoracic Surgeon at Yale-New Haven Hospital
 Attending Cardiothoracic Surgeon at Hospital of St. Raphael
 Attending Cardiothoracic Surgeon at Griffin Hospital

POSITIONS HELD

2004-2008 Chief of Cardiothoracic Surgery, Tabba Heart Institute
 Karachi, Pakistan
2006-present Clinical Assistant Professor of Surgery
 Univ. of Connecticut School of Medicine, Farmington, CT 06030
2002-2003 Instructor in Surgery, Cardiothoracic
 Yale University School of Medicine, New Haven, CT 06520
1997-1998 Winchester Scholar in Cardiothoracic Surgery
 Yale University School of Medicine, New Haven, CT 06520

POSTGRADUATE TRAINING

1987-1992 M.B.B.S (honors)
 The Aga Khan University, Karachi, Pakistan
1993-1995 Gastrointestinal Pathobiology – Surgical Research Fellow
 Yale University School of Medicine, New Haven, CT 06520
1995-2001 Integrated General Surgery Residency Program
 Univ. of Connecticut School of Medicine, Farmington, CT 06030
2001-2003 Cardiothoracic Surgery Residency
 Yale University School of Medicine, New Haven, CT 06520
2003-2004 Cardiovascular (complex aortic and heart valve surgery) Fellowship
 Toronto General Hospital, Toronto, Canada

LICENSURE & CERTIFICATION

1992- Pakistan Medical and Dental Council License
2001- State of Connecticut Medical License (039666) – ACTIVE
2002 Diplomate American Board of Surgery (General Surgery)
2004 Diplomate American Board of Thoracic Surgery

HONORS & AWARDS

- 1992 Honors in Otolaryngology and Head & Neck Surgery
The Aga Khan University
- 1995 Postdoctoral Research Award, FASEB
American Physiological Society
- 1997 Winchester Scholarship for research in Cardiothoracic Surgery
Yale University School of Medicine
- 1999 Administrative Chief Resident — General Surgery
University of Connecticut School of Medicine
- 2001 Robert Warren Painter Award, University of Connecticut
Outstanding Chief Resident for Excellence in Academics,
Teaching and Clinical Care
- 2002 Administrative Chief Resident — Cardiothoracic Surgery
Yale University School of Medicine

MEMBERSHIP

- 1992 Pakistan Medical and Dental Council
- 1993 American College of Surgeons
- 2004 Pakistan Society of Cardiovascular and Thoracic Surgeons

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PUBLICATIONS

Basir N, **DARR U**, Bhora F. Silent myocardial ischemia in a cross-section of Pakistani population. *Pakistan J. of Cardiology*. 19: 19-22, 1991

Modlin IM, **DARR U**. The centenary of Lester R. Dragstedt – fifty years of therapeutic vagotomy. *Yale J of Biology & Medicine*. 67(3-4) 63-80, 1994

Modlin IM, Tang L, Lawton G, **DARR U**, Soroka C. Enterochromaffin-like cell pathobiology of Mastomys. *Annals of New York Academy of Sciences*. 733:365-79, 1994

Modlin IM, Lawton G, Tang L, Geibel J, Abraham R, **DARR U**. Mastomys gastric carcinoids – aspects of ECL cell function. *Digestion*. 55 Suppl. 3:31-7, 1994

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Rizzo JA, **DARR U**, Johnson K, Coady M, Elefteriades JA. Thoracic aortic aneurysm – moving beyond shadow-boxing. *American College of Cardiology Newsletter*. 1996

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Rizzo J, **DARR U**, Fischer M, Johnson K, Finkle J, Gusberg R, Kopf G, Abbott T, Shevchenko I, Elefteriades JA. Multimodality serial follow-up of thoracic aortic aneurysms. *Journal of Intl. College Angiology*. 6:153-156, 1997

Coady MA, Rizzo JA, Hammond GL, Mandapati D, **DARR U**, Kopf GS, Elefteriades JA. What is the appropriate size criterion for resection of thoracic aortic aneurysms? *Journal of Thoracic and Cardiovascular Surgery*. 113:476-491, 1997

Ugurlu B, Tellides G, **DARR U**, Moinuddeen J, Scholl FG, Kopf GS, Elefteriades JA. Large left ventricular size in patients with ischemic cardiomyopathy is not necessarily an indication for transplantation and should not exclude revascularization. *J Heart Lung Transplantation*. 1998; 17(1): 14

Tellides G, Moinuddeen K, **DARR U**, Salami S, Ramahi TM, Elefteriades JA. Partial left ventriculectomy as an alternative to medical therapy in patients with dilated cardiomyopathy who are not transplantation candidates. *J Heart Lung Transplantation*. 1998; 17(1): 89

Ugurlu BS, **DARR U**, Tellides G. Tissue factor is induced on the endothelium of venous but not arterial bypass conduits. *J Molecular & Cellular Cardiology*. 1998; 30: A42

DARR U, Geibel J. Intestinal ischemia: molecular basis of prevention. *Surg. Tech. International*. 7:199-202. 1998

Elefteriades JA, Tranquilly M, Cardon J, **DARR U**. Symptoms plus Family History Trump Size in Thoracic Aortic Aneurysm. *Annals of Thoracic Surgery*.

BOOK CHAPTERS & REVIEW ARTICLES

DARR U, Tellides G. Techniques of skin, renal and vascular transplantation in the rat. In: Timmermann W, Gassel H-J, Ulrichs K, Zhong R, Thiede A (Eds), *Organ Transplantation in Rats and Mice: Microsurgical Techniques and Immunological Principles*. Springer, Berlin, 1998, pp 73-81

Elefteriades JA, Tellides G, Samady H, Yepremyan M, **DARR U**, Wackers FJTh, Zaret B. Coronary artery bypass for advanced left ventricular dysfunction. In: Keon WJ, Masters R (Eds). *Surgical Options for Heart Failure*, Kluwer, Norwell, MA.

DARR U, Tellides G, Elefteriades JA. Surgical approaches to atrial fibrillation. In: Ezekowitz M (Ed). *Atrial Fibrillation – the Arrhythmia of the Elderly*. Yale Press, New Haven.

Coady MA, Rizzo JA, Hammond GL, Mandapati D, **DARR U**, Kopf GS, Elefteriades JA. What is the appropriate size criterion for resection of thoracic aortic aneurysms? *Yearbook of Vascular Surgery*, Mosby-Year Book, Inc. 1999

PRESENTATIONS

Qureshi R, **DARR U**, Khattak N. Bacteriuria in pregnancy. Third Scientific Conference, Aga Khan Hospital, Nairobi, Kenya. Oct. 1992

DARR U, Lawton G, Abraham R, Modlin IM. Gastric Carcinoids — enigma or entity. CT Chapter of The American College of Surgeons, Dec. 1993

Abraham R, Geibel J, Tang L, Lawton G, **DARR U**, Soroka C, Modlin IM. Evaluation of ECL cell secretory regulation utilizing image analysis of intracellular pH and calcium transients. CT Chapter of American College of Surgeons, Dec. 1993

Tang L, Lawton G, **DARR U**, Modlin IM. Proton pump inhibition down regulates rat enterochromaffin-like (ECL) cell function. The American Gastroenterology Association meeting. May, 1994

Biggs C, Lawton G, Tang L, **DARR U**, Modlin IM. The cephalic phase of acid inhibition may reflect cholinergic modulation of gastrin driven ECL cell histamine secretion. The American Gastroenterology Association meeting. May, 1994

Modlin IM, **DARR U**, Lawton G, Tang L, West B. Gastric carcinoid: an enigmatic cellular lesion (ECL). The Society for Surgeons of the Alimentary Tract meeting. May, 1994

Lawton G, Tang L, **DARR U**, Modlin IM. Modulation of enterochromaffin-like cell histamine secretion via a β -adrenergic mechanism and the mast cell inhibitor sodium cromoglycate. The Society of the VA Surgeons meeting.

Modlin IM, Lawton G, Gilligan C, Tang L, **DARR U**, West AB. The relationship between hypergastrinemia, gastric carcinoids and gastric adenocarcinoma in humans. New England Surgical Society. Nov. 1994

DARR U, Abraham R, Geibel J. Chronic intracellular acidification prevents ischemic mucosal injury in the isolated small bowel villi. CT Chapter of The American College of Surgeons. Dec. 1994

Abraham R, **DARR U**, Geibel J. Chronic hypercalcemia disrupts membrane integrity in the gastric gland: A proposed theory for gastric tumorigenesis in the gastric acid inhibited state. CT Chapter of The American College of Surgeons meeting. Dec. 1994

Abraham R, **DARR U**, Geibel J. Evidence of calcium activated calcium channels in superfused isolated gastric glands. FASEB. April, 1995

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DARR U, Abraham R, Geibel J. Calcium as a marker for small bowel cell injury. The American Gastroenterological Association meeting. May, 1995

DARR U, Abraham R, Geibel J. Inhibition of $\text{Na}^+ - \text{H}^+$ exchange prevents anoxic damage in isolated small bowel villi. The American Gastroenterological Association meeting. May, 1995

Abraham R, **DARR U**, Geibel J. Chronic hypercalcemia disrupts membrane integrity in the gastric gland: A theory for gastric tumorigenesis. The American Gastroenterological Association meeting. May, 1995

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Coady M, Rizzo J, Johnson K, **DARR U**, Frank E, Kopf G, Elefteriades JA. What Is The Appropriate Size Criterion For Resection Of Thoracic Aortic Aneurysms? The Aortic Surgery Symposium V, New York, April, 1996

Elefteriades JA, Coady M, Rizzo J, Johnson K, **DARR U**, Frank E, Kopf G. What Is The Appropriate Size Criterion For Resection Of Thoracic Aortic Aneurysms? The American Association For Thoracic Surgery meeting. San Diego. April, 1996

Vouyouka A, Johnson K, Rizzo J, Coady M, Quin J, Frank E, **DARR U**, Elefteriades JA. Significance of Pleural Effusions in Descending Aortic Dissections. The American College of Angiology meeting. June 1996

Ugurlu B, Tellides G, **DARR U**, Moinuddeen J, Scholl FG, Kopf GS, Elefteriades JA. Large left ventricular size in patients with ischemic cardiomyopathy is not necessarily an indication for transplantation and should not exclude revascularization. International Society of Heart and Lung Transplantation 18th Annual Meeting, Chicago, IL, April 1998

Tellides G, Moinuddeen K, **DARR U**, Salami S, Ramahi TM, Elefteriades JA. Partial left ventriculectomy as an alternative to medical therapy in patients with dilated cardiomyopathy who are not transplantation candidates. International Society of Heart and Lung Transplantation 18th Annual Meeting, Chicago, IL, April 1998

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DARR U, Lowe R. Mini-thoracotomy: Enigma or Entity. CT Chapter of The American College of Surgeons meeting. Nov. 2000

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DARR U, Khan T, Chughtai S. Severe pulmonary hypertension in advanced rheumatic heart disease: efficacy of valve replacement. Asian Society of Cardiovascular Surgery. March 2008. Singapore

DARR U, Khan T, Chughtai S. 1st world standards in cardiac surgery: are they reproducible in a developing country. Asian Society of Cardiovascular Surgery. March 2008. Singapore