

Umair Malik

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Post Graduate Education and Training:

Interventional Cardiology Fellowship Medical University of South Carolina, Charleston, South Carolina	July 2019 – June 2020
Cardiovascular Diseases Fellowship University of Minnesota, Minneapolis, Minnesota	July 2016 – June 2019
Internal Medicine Residency Cleveland Clinic Foundation, Cleveland, Ohio	July 2013 – June 2016

Education:

Bachelor of Medicine, Bachelor of Surgery (MBBS) Aga Khan University Medical School, Karachi, Pakistan	Oct 2007 – Nov 2012
University of Cambridge A-Level Certificate of Secondary Education Beaconhouse School, Islamabad, Pakistan	2004 – 2006
University of Cambridge O-Level Certificate of Secondary Education OPF Boys School, Islamabad, Pakistan	2002 – 2004

CERTIFICATIONS

ECFMG CERTIFIED	FEB 2013
ACLS/BLS	JULY 2017 – JUNE 2019

USMLE

STEP 1	99/249
STEP 2	99/248

Honors and Awards:

2014 Sep-Dec	Awarded the Clinical Scholars Award in PGY2 residency for excellence in academics and research.
May 2015	Awarded the Joseph Cash Memorial Award by Graduate Medical Education, department of Cleveland Clinic; for excellence in original investigation and preparation of clinical papers on health outcomes including but not limited to: Health resource utilization,

cost-effectiveness, and pharmacoeconomics.

- May 2015** Winner of the Scholarly Activity Program Research Competition, organized by the Internal Medicine Residency Program, Cleveland Clinic
- June 2015** Invited to speak at the Internal Medicine Grand rounds on Peri-procedural management of Dual Antiplatelet Therapy
- 2010-2012** Captain of Aga Khan University Parliamentary Debating Team

Publications:

Peer Reviewed Journals

- Grant W. Reed, Samuel Horr, Laura Young, Joshua Clevenger, **Umair Malik**, Stephen G. Ellis, A. Michael Lincoff, Steven E. Nissen, Venu Menon, Associations Between Cardiac Troponin, Mechanism of Myocardial Injury, and Long-Term Mortality After Noncardiac Vascular Surgery. J Am Heart Assoc. 2017 Jun 6;6(6).
- Grant W. Reed, Negar Salehi, Pejman R. Giglou, Rami Kafa, **Umair Malik**, Michael Maier, Mehdi H. Shishehbor, Time to Wound Healing and Major Adverse Limb Events in Patients with Critical Limb Ischemia Treated with Endovascular Revascularization. Ann Vasc Surg. 2016 Oct;36:190-198.
- Grant W. Reed, Pejman Raeisi-Giglou, Rami Kafa, **Umair Malik**, Negar Salehi, Mehdi H. Shishehbor, Hospital Readmissions Following Endovascular Therapy for Critical Limb Ischemia: Associations With Wound Healing, Major Adverse Limb Events, and Mortality. J Am Heart Assoc. 2016 May 20;5(5).
- **Umair Z. Malik**, Nicholas J. Hundley, Bruce A. Freeman, Margaret M. Tarpey and Eric E. Kelley, Febuxostat is a More Potent Inhibitor of Endothelial GAG-Immobilized XO Than Allopurinol: Implications for Targeting Vascular ROS Production. Free Radic Biol Med. 2011 Jul 1;51(1):179-84.
- Eric E. Kelley, Nicholas K.H. Khoo, Nicholas J. Hundley, **Umair Z. Malik**, Bruce A. Freeman and Margaret M. Tarpey, Hydrogen Peroxide is the Major Oxidant Product of Xanthine Oxidase. Free Radic Biol Med. 2010 Feb 15;48(4):493-8.

- S Kumar, AJ Shaikh, YA Rashid, N Masood, ATV Mohammed, **Umair Z. Malik**, G Haider, N Niamutullah, S Khan, Presenting features, treatment patterns and outcomes of patients with breast cancer in Pakistan: Experience at a university hospital. Indian J Cancer. 2016 Apr-Jun;53(2):230-234.
- Ghulam R. Mohyuddin, Zakariya Alam, **Umair Z. Malik**, Omair Shakil, Anwar U. Haq, Revised Trauma Score as a Predictor of Outcome in Trauma Cases: Experiences at a Tertiary Care Hospital in Karachi, Pakistan. J Ayub Med Coll Abbottabad. 2015 Jul-Sep;27(3):584-6.
- Arslan Mirza, Alina Ghani, Anam Pal, Abeer Sami, Sana Hannan, Zohaib Ashraf, Sulala Iqbal, **Umair Z. Malik**, Umar Hayat, Zafar Fatmi, Thalassemia and premarital screening: Potential for implementation of screening program among literate youth in Pakistan. Hemoglobin. 2013;37(2):160-70.
- Irfan Qadir, Farheen Ali, **Umair Z. Malik** and Masood Umer, Isolated Cryptococcal Osteomyelitis in an Immunocompetent Patient. J Infect Dev Ctries. 2011 Sep 14;5(9):669-73.

Accepted Manuscripts

- Mahesh Anantha Narayanan, Yogesh Reddy, **Umair Malik**, Jason Allen, Stefan Bertog, Mackenzi Mbai, Santiago Garcia, Device Closure of Patent Foramen Ovale – Is it Time to Update Guidelines. Accepted for publication in *Structural Heart*
- Stephen George, Sasha Prisco, Takeshi Onizuka, Fernando Ortiz, **Umair Malik**, Mackenzie Mbai, Mahesh Anantha Narayanan, Santiago Garcia, An Observational Study of Elderly Veterans with Initially Asymptomatic Severe Aortic Stenosis. Accepted for publication in *Journal of Invasive Cardiology*

Submitted Manuscript

- Stress-Induced Ischemia and Risk Stratification Prior to Vascular Surgery: A Retrospective Cohort Study. Alejandra Gutierrez-Bernal, Paul Cremer, **Umair Malik**, Laura Young, Joshua Clevenger, Wael Jaber, Venu Menon.

Manuscripts In Process:

- Does the Mitraclip NT device, improve procedural results and outcomes compared to the first generation Mitraclip device? **Umair Malik**, Mahesh Anantha Narayanan, Jeffrey Misialek, Gladwin Das.
- A critical appraisal of the accuracy of diagnosis of PFOs in clinical practice: A pilot study. Mahesh Anantha Narayanan, **Umair Malik**, Emil Missov, Sue Duval, Gladwin Das.

Poster Presentations

- Aortic Valve Replacement is Associated with Improved Survival Among Patients with Severe Asymptomatic Aortic Stenosis. Stephen George, **Umair Malik**, Sasha Prisco, Takeshi Onizuka, Fernando Ortiz, Vignesh Palaniappan, Mackenzie Mbai, Santiago Garcia (Accepted at: TCT 2017, Oct 29 – Nov 2, 2017).
- Kelley EE, Khoo NK, Hundley NJ, Malik UZ, Freeman BA, Tarpey MM. (2009). *Hydrogen Peroxide is the Major Oxidant Product of Xanthine Oxidase* Poster presented at: 16th Annual Meeting of the Society of Free Radical Biology and Medicine; San Francisco, CA.
- Malik UZ (Presenter). (2015). *A Single Center Review of Different Peri-procedural Management Strategies in Patients on Dual Antiplatelet Therapy at the Time of Invasive Procedures* Poster presented at: Internal Medicine Residency Program Research Retreat; Cleveland, OH.

Oral Presentations

- Malik UZ (Presenter). (2015). *A Single Center Review of Different Peri-procedural Management Strategies in Patients on Dual Antiplatelet Therapy at the Time of Invasive Procedures* Oral Presentation presented at: Internal Medicine Grand Rounds (Cleveland Clinic); Cleveland, OH.
- Malik UZ (Presenter). (2009). *Febuxostat is a More Potent Inhibitor of Endothelial GAG-Immobilized XO Than Allopurinol: Implications for Targeting Vascular ROS Production* Oral Presentation presented at: University of Pittsburgh, Summer Undergraduate Research Program (SURP) Colloquium; Pittsburgh, PA.