

Curriculum Vitae
Matthew A. Schechter, M.D.
Assistant Professor, Department of Surgery
University of Maryland School of Medicine

Contact Information

Location: UM Capital Region Medical Center, 5th Floor
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Foreign Languages: English (native)

Education

2000 - 2004 B.A., Biology, Haverford College (*Phi Beta Kappa Society*)
2006 - 2010 M.D., Duke University School of Medicine (DUSOM)

Post Graduate Education and Training

2010 - 2011 Internship, General Surgery, Duke University Medical Center (DUMC)
2011 - 2012 Residency, General Surgery, DUMC
2012 - 2014 Research Fellowship, Division of Cardiothoracic Surgery, DUMC
2014 - 2017 Residency, General Surgery, DUMC
2017 - 2019 Clinical Fellowship, Cardiothoracic Surgery, Washington University in St. Louis
(WashU)
2019 - 2020 Clinical Fellowship, Surgical Critical Care, WashU

Certifications

2021 Surgery, American Board of Surgery
2021 Surgical Critical Care, American Board of Surgery

Active Medical Licenses

2022 Maryland
2022 Washington, DC
2024 Illinois
2024 Alabama
2024 Colorado
2024 Wisconsin

Employment History

Academic Appointments

2024 - present Assistant Professor of Surgery, Department of Surgery, University of Maryland School of Medicine, Maryland
2020 - 2022 Assistant Professor of Surgery, Department of Surgery, University of Miami, Florida

Other Employment

2004 - 2006 Postbaccalaureate Intramural Research Program, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Maryland
2020 - 2024 Surgical Intensivist, MedStar Medical Group, Maryland & DC

Honors and Awards

2022 Certificate of Recognition, Comptroller of Maryland, awarded for work during COVID-19 and “representing Maryland so well”
2008 Eugene A. Stead Research Scholarship, DUSOM, awarded to support medical student research in basic cardiovascular science

Clinical Expertise

Board certified surgeon
Additional board certification in the sub-specialty of surgical critical care
Clinical focus in the areas of cardiac critical care and critically-ill postoperative patients

Professional Society Memberships

2021 - present Member, Society of Critical Care Medicine
2022 - present Fellow, American College of Surgeons
2024 - present Member, American Association of Physician Leadership

Research Activities

Research Interest: Advanced Heart Failure Interventions, Clinical Outcomes of Critically-Ill Patients, Acute Respiratory Distress Syndrome

Publications

Peer-reviewed journal articles

1. **Schechter MA**, Shortell CK, Scarborough JE. Regional Versus General Anesthesia for Carotid Endarterectomy: The American College of Surgeons National Surgical Quality Improvement Program Perspective. *Surgery* 2012; 152(3): 309-314.
2. **Schechter MA**, O'Brien PJ, Cox MW. Retrieval of Iatrogenic Intravascular Foreign Bodies. *J Vasc Sur* 2013; 57(1):276-81.
3. Rajagopal K, Daneshmand MA, Patel CB, Ganapathi AM, **Schechter MA**, Rogers JG, Milano CA. Natural History and Clinical Effect of Aortic Valve Regurgitation after Left Ventricular Assist Device Implantation. *J Thorac Cardiovasc Surg* 2013; 145(5):1373-9.
4. Ganapathi AM, Englum BR, Hanna JM, **Schechter MA**, Gaca JG, Koweek LM, Hughes GC. Frailty and Risk in Proximal Aortic Surgery. *J Thorac Cardiovasc Surg* 2014; 147: 186-91.
5. **Schechter MA**, Daneshmand MA, Patel CB, Blue LJ, Rogers JG, Milano CA. Outcomes Following Implantable Left Ventricular Assist Device Replacement Procedures. *ASAIO J* 2014; 60:44-8.
6. **Schechter MA**, Patel CB, Rogers JG, Milano CA. Temporary Extracorporeal Left Ventricular Assist Device Support for Implantable Left Ventricular Assist Device Replacement Cases. *J Thorac Cardiovasc Surg* 2014; 147:e46-8.
7. Ganapathi AM, Hanna JM, **Schechter MA**, Englum BR, Castleberry AW, Gaca JG, Hughes GC. Antegrade versus Retrograde Cerebral Perfusion for Hemiarch Replacement with Deep Hypothermic Circulatory Arrest: Does It Matter? A Propensity-Matched Analysis. *J Thorac Cardiovasc Surg* 2014. 148:2896-902.
8. **Schechter MA**, Southerland KW, Feger BJ, Linder Jr. D, Ali AA, Njoroge L, Milano CA, Bowles DE. An Isolated Working Heart System for Large Animal Models. *J Vis Exp* 2014; 88.
9. **Schechter MA**, Joseph JT, Krishnamoorthy A, Emanuel Finet J, Ganapathi AM, Lodge AJ, Milano CA, Patel CB. Efficacy and Durability of Central Oversewing for Treatment of Aortic Insufficiency in Patients with Continuous-Flow Left Ventricular Assist Devices. *J Heart Lung Transplant* 2014; 33:937-42.
10. Ganapathi AM, Englum BR, **Schechter MA**, Vavalle JP, Harrison JK, McCann RL, Hughes GC. Role of Cardiac Evaluation before Thoracic Endovascular Aortic Repair. *J Vasc Surg* 2014. 60:1196-203.
11. **Schechter MA**, Hsieh MK, Njoroge LW et al. Phosphoproteomic Profiling of Human Myocardial Tissues Distinguishes Ischemic from Non-Ischemic End Stage Heart Failure. *PLoS One* 2014; 9:e104157.
12. Hughes GC, Ganapathi AM, Keenan JE, Englum BR, Hanna JM, **Schechter MA**, Wang H, McCann RL. Thoracic Endovascular Repair for Chronic DeBakey IIIb Aortic Dissection. *Ann Thorac Surg.* 2014; 98:2092-7.
13. **Schechter MA**, Patel CB, Blue LJ, Welsby I, Rogers JG, Schroder JN, Milano CA. Improved Early Survival with a Non-Sternotomy Approach for Continuous Flow Left Ventricular Assist Device Replacement. *Ann Thorac Surg* 2015; 99:561-6.
14. Englum BR, **Schechter MA**, Irish WD, Ravindra KV, Vikraman DS, Sanoff SL, Ellis MJ, Sudan DL, Patel UD. Outcomes in Kidney Transplant Recipients from Older Living Donors. *Transplantation* 2015; 99:309-15.

15. Ganapathi AM, Englum BR, Keenan JE, **Schechter MA**, Wang H, Smith PK, Glower DD, Hughes GC. Long-Term Survival After Bovine Pericardial Versus Porcine Stented Bioprosthetic Aortic Valve Replacement: Does Valve Choice Matter? *Ann Thorac Surg* 2015; 100:550-9.
16. Englum BR, Ganapathi AM, **Schechter MA**, Harrison JK, Glower DD, Hughes GC. Changes in Risk Profile and Outcomes of Patients Undergoing Surgical Aortic Valve Replacement from the Pre- to Post-Transcatheter Aortic Valve Replacement Eras. *Ann Thorac Surg*. 2016 Jan; 101:110-7.
17. **Schechter MA**, Shah AA, Englum BR, Williams JB, Ganapathi AM, Daview JD, Welsby IJ, Hughes GC. Prolonged Postoperative Respiratory Support after Proximal Thoracic Aortic Surgery: Is Deep Hypothermic Circulatory Arrest a Risk Factor? *J Crit Care* 2016 Feb; 31:125-9.
18. **Schechter MA**, Watson MJ, Feger BJ, Southerland KW, Mishra R, Bibernardo LR, Kuchibhatla M, Schroder JN, Daneshmand MA, Patel CB, Rogers JG, Milano CA, Bowles DE. Elevated Cardiac Troponin I in Preservation Solution is Associated with Primary Graft Dysfunction. *J Card Fail* 2016 Feb; 22:158-62.
19. Keenan JE, **Schechter MA**, Bonadonna DK, Bartz RR, Milano CA, Schroder JN, Daneshmand MA. Early Experience with a Novel Cannulation Strategy for Left Ventricular Decompression during Nonpostcardiotomy Venous Arterial ECMO. *ASAIO*. 2016 May-Jun; 62:30-4.
20. **Schechter MA**, Ganapathi AM, Englum BR, Speicher PJ, Daneshmand MA, David RD, Hartwig MG. Spontaneously Breathing Extracorporeal Membrane Oxygenation Support Provides the Optimal Bridge to Lung Transplantation. *Transplantation* 2016 Dec; 100:2699-2704.
21. **Schechter MA**, Pascarella L, Thomas S, McCann RL, Mureebe L. Endovascular and Open Repair of Ruptured Infrarenal Aortic Aneurysms at a Tertiary Care Center. *Ann Vasc Surg*. 2017 May;41:83-8.
22. Kim HS*, **Schechter MA***, Manning PB, Eghtesady P, Balzer DT, Shahanavaz S, Rockefeller TA, Abarbanell AM. Surgical Versus Percutaneous Closure of PDA in Preterm Infants: Procedural Charges and Outcomes. *J Surg Res*. 2019 Nov;243:41-6.

Book Chapters

1. **Schechter MA**, O'Brien PJ, Cox MW, Vascular Injuries of the Neck, In: *Essentials of Vascular Surgery for the General Surgeon*, V Gahtan & MJ Costanza (eds.). Springer, Philadelphia, PA, 2014. p. 201-12.

Abstracts and/or Proceedings

1. **Schechter MA**, Shortell CK, Scarborough JE. Regional Versus General Anesthesia for Carotid Endarterectomy: The NSQIP Perspective. Abstract for poster presentation, 7th Annual Academic Surgical Congress, Las Vegas, NV, February 2012.
2. **Schechter MA**, Daneshmand MA, Milano CA. Outcomes of Replacement Implantable Left Ventricular Assist Device Procedures. Abstract for poster presentation, Society of Thoracic Surgeons 49th Annual Meeting, Los Angeles, LA, January 2013.
3. Ali AA, Southerland K, **Schechter M**, Schroder J, Milano C. The Downtime Donor Heart: Analysis of Pre-Transplant Function and Current Utilization for Transplantation. Abstract for poster presentation, International Society for Heart and Lung Transplantation 33rd Annual Meeting and Scientific Sessions. Montreal, Canada. April 2013.
4. Ganapathi AM, **Schechter MA**, Wang X, Milano CA, Glower DD, Rogers JG, Patel CB, Schroder JN. Alternative Approaches for the Surgical Treatment of Significant Mitral Regurgitation in Advanced Heart Failure. Abstract for poster presentation, International Society for Heart and Lung Transplantation 33rd Annual Meeting and Scientific Sessions. Montreal, Canada. April 2013.
5. Pascarella L, McCann R, **Schechter MA**, Mureebe L. Endovascular and Open Repair of Ruptured Infrarenal Abdominal Aortic Aneurysm Experience in a U.S. Tertiary Care Center. Abstract for oral presentation, Society of Vascular Surgeons Annual Meeting, San Francisco, CA, May 2013.
6. **Schechter MA**, Ganapathi AM, Englum BR, Hanna JM, McCann R, Hughes GC. Frailty Does Not Increase Risk in Thoracic Endovascular Aortic Repair. Abstract for poster presentation, Society of Vascular Surgeons Annual Meeting, San Francisco, CA, May 2013.
7. Watson KA, Ganapathi AM, **Schechter MA**, Englum BR, McCann RL, Hughes GC. Repair of Mycotic Thoracoabdominal Aortic Aneurysm Following BCG Treatment. Abstract for oral presentation, Southern Association for Vascular Surgery 38th Annual Meeting, Palm Beach, FL, January 2014.
8. Englum BR, Pavlisko EN, Ganapathi AM, Hanna JM, **Schechter MA**, Hughes GC. Catastrophic Immunologic Reaction and Pseudoaneurysm Formation after Stentless Porcine Aortic Bioprosthetic Implantation: A Word of Caution. Abstract for poster
9. **Schechter MA**, Ganapathi AM, Englum BR, McCann R, Hughes GC. Long-term Patency of Open Aortic Vessel and Visceral Side-Branch Bypass Grafts. Abstract for poster presentation, Southern Association for Vascular Surgery 38th Annual Meeting, Palm Beach, FL, January 2014.
10. Ali AA, Southerland K, **Schechter MA**, Saeed A, Schroder J, Milano CA. Mediastinal Re-Entry in Patients Undergoing Ventricular Assist Device Explantation Prior to Heart Transplantation: Role of Peripheral Cannulation for Cardiopulmonary Bypass. Abstract for poster presentation, International Society for Heart and Lung Transplantation 34th Annual Meeting and Scientific Sessions. San Diego, CA, April 2014.
11. Ali AA, Southerland K, **Schechter MA**, Saeed A, Schroder J, Milano CA. Delayed Sternal Closure Following Heart Transplantation: Outcomes and Implications. Abstract for poster presentation, International Society for Heart and Lung Transplantation 34th Annual Meeting and Scientific Sessions. San Diego, CA, April 2014.
12. Ali AA, Southerland K, Harling L, **Schechter MA**, Saeed A, Athanasiou T, Schroder J, Milano CA. Mechanical Circulatory Support for Primary Graft Dysfunction Following Heart Transplantation: Risk Factors and Clinical Outcome. Abstract for poster presentation,

- International Society for Heart and Lung Transplantation 34th Annual Meeting and Scientific Sessions. San Diego, CA, April 2014.
13. **Schechter MA**, Joseph JT, Krishnamoorthy A, Emanuel Finet J, Ganapathi AM, Lodge AJ, Milano CA, Patel CB. Efficacy and Durability of Central Oversewing for Treatment of Aortic Insufficiency in Patients with Continuous-Flow Left Ventricular Assist Devices. Abstract for poster presentation, International Society for Heart and Lung Transplantation 34th Annual Meeting and Scientific Sessions. San Diego, CA, April 2014.
 14. **Schechter MA**, Castleberry AW, Kuchibhatla M, Patel CB, Blue LJ, Rodgers JG, Berry MF, Schroder JN, Milano CA. The Utility of Pulmonary Function Tests in Predicting Pulmonary Outcomes Following Destination Therapy Left Ventricular Assist Device Placement. Abstract for oral presentation, International Society for Heart and Lung Transplantation 34th Annual Meeting and Scientific Sessions. San Diego, CA, April 2014.
 15. Englum B, **Schechter MA**, Irish WD, Ravindra KV, Vikraman DS, Sanoff SL, Ellis MJ, Patel UD, Sudan DL. Outcomes in Kidney Transplant Recipients from Older Living Donors. Abstract for oral presentation, 2014 World Transplant Congress, San Francisco, CA, July 2014.
 16. **Schechter MA**, Englum BR, Irish WD, Sanoff SL, Ravindra KV, Vikraman DS, Ellis MJ, Patel UD, Sudan DL. Resource Utilization for Kidney Transplantation from Time of Referral. Abstract for poster presentation (with distinction), 2014 World Transplant Congress, San Francisco, CA, July 2014.
 17. **Schechter MA**, Ganapathi AM, Englum BR, Speicher PJ, Gulack BC, Davis RD, Hartwig MG. Spontaneously Breathing Extracorporeal Membrane Oxygenation Support Provides the Optimal Bridge to Lung Transplantation. Abstract for oral presentation, Society of Thoracic Surgeons 51st Annual Meeting, San Diego, CA, January 2015.
 18. Ali AA, **Schechter MA**, Southerland K, Harling L, Schroder JA, Milano CA. Cost Implications of Mechanical Circulatory Support for Primary Graft Dysfunction Following Heart Transplantation. Abstract for poster presentation, International Society for Heart and Lung Transplantation 35th Annual Meeting and Scientific Sessions. Nice, France, April 2015.
 19. Ali AA, **Schechter MA**, Harling L, Southerland K, Ashrafian H, Athanasiou T, Schroder JA, Milano CA. Right Ventricular Assist Device Support for Right Ventricular Dysfunction following Heart Transplantation: Risk Factors and Clinical Outcomes. Abstract for oral presentation, International Society for Heart and Lung Transplantation 35th Annual Meeting and Scientific Sessions. Nice, France, April 2015.
 20. **Schechter MA**, Patel CB, Rogers JG, Daneshmand MA, Schroder JN, Milano CA. Donor Hyponatremia is an Independent Predictor of 1-Year Mortality Following Cardiac Transplantation. Abstract for poster presentation, International Society for Heart and Lung Transplantation 35th Annual Meeting and Scientific Sessions. Nice, France, April 2015.
 21. **Schechter MA**, Watson MJ, Feger BJ, Southerland KW, Mishra R, Bibernardo LR, Kuchibhatla M, Schroder JN, Daneshmand MA, Patel CB, Rogers JG, Milano CA, Bowles DE. Elevated Cardiac Troponin I in Preservation Solution is Associated with Primary Graft Dysfunction. Abstract for poster presentation, International Society for Heart and Lung Transplantation 35th Annual Meeting and Scientific Sessions. Nice, France, April 2015.
 22. **Schechter MA**, Southerland KW, Feger BJ, Njoroge L, Linder D Jr, Bowles DE, Milano CA. Functional and Biochemical Assessment of Porcine Hearts After Simulated Donation After Circulatory Death. Abstract for oral presentation, International Society for Heart and Lung Transplantation 35th Annual Meeting and Scientific Sessions. Nice, France, April 2015.
 23. **Schechter MA**, Ganapathi AM, Englum BR, Keenan JE, Wang H, Hughes GC, McCann RL. Improved Long-Term Survival of Endovascular Aortic Repair Compared to Open Repair.

Abstract for poster presentation, Society of Vascular Surgeons Annual Meeting, Chicago, IL, June 2015.