

CURRICULUM VITAE

Roland Assi, MD, MMS

Version Date: 3/29/2023

Contact Information:

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School: Yale School of Medicine

Education:

09/2002 - 11/2007 MMS, St. Joseph University, Beirut, Beirut Governorate
09/2002 - 06/2009 MD, St. Joseph University, Beirut, Beirut Governorate

Career/Academic Appointments:

06/2011 General Surgery Intern, Yale University, New Haven, CT
09/2013 Postdoctoral Research Scientist, Tissue Repair Engineering Centre, University College London, London, England, United Kingdom
06/2014 Postdoctoral Research Fellow, Yale University, New Haven, CT
06/2017 General Surgery Resident, Yale University, New Haven, CT
06/2019 Cardiovascular and Thoracic Surgery Fellow, University of Pennsylvania, Philadelphia, PA
10/2019 Advanced Thoracic Aortic and Endovascular Surgery Fellow, University of Pennsylvania, New Haven, CT
11/2019 - 06/2023 Assistant Professor, Cardiac Surgery, Yale School of Medicine, New Haven, CT

Administrative Positions:

07/2022 - Present Associate Program Director of the Cardiothoracic Surgery Residency Program, Surgery, Yale School of Medicine, New Haven, CT

Board Certification:

2018 - 2028 AB of Surgery, Surgery General
2021 - 2031 AB of Thoracic Surgery, Thoracic Cardiac Surgery

Professional Honors & Recognition:

International/National/Regional

2010	American College of Surgeons
2013	Association for Academic Surgery
2014	New England Surgical Society 1st Prize in Basic Science Research
2015	Society of Thoracic Surgeons
2016	New England Surgical Society
2019	Eastern Cardiothoracic Surgical Society

Yale University/Yale School of Medicine/Hospital System

2016	Educational Chief Resident
2017	Sam Harvey Award for Distinguishing Work As The Ideal Yale Surgeon
2017	Outstanding Resident Teaching and Leadership Award
2017	Yale Surgical Society

Grants/Clinical Trials History:

Current Clinical Trials

Agency:	University of Miami
I.D.#:	HIC# 0109012617
Title:	Genetics of Familial Thoracic Aortic Aneurysms
P.I.:	John Elefteriades
Role:	SubInvestigator
Percent effort:	N/A
Total costs:	-
Project period:	10/15/2001

Agency:	Bolton Medical, Inc.
I.D.#:	HIC# 2000023656
Title:	Study of the Relay Pro® Thoracic Stent-Graft in Subjects With Traumatic Injury of the Descending Thoracic Aorta
P.I.:	Naiem Nassiri
Role:	SubInvestigator
Percent effort:	N/A
Total costs:	-
Project period:	8/15/2018

Agency:	Bolton Medical, Inc.
I.D.#:	HIC# 2000028041
Title:	A Prospective, Multicenter, Non-Blinded, Non-Randomized Study of the RelayPro Thoracic Stent-Graft in Subjects With an Acute, Complicated Type B Aortic Dissection
P.I.:	Prashanth Vallabhajosyula

Role: SubInvestigator
 Percent effort: N/A
 Total costs: -
 Project period: 10/16/2020

Agency: Allergan Sales, Inc.
 I.D.#: HIC# 2000028539
 Title: Botox type A for the prevention of POAF in open-chest cardiac surgery
 P.I.: Prashanth Vallabhajosyula
 Role: SubInvestigator
 Percent effort: N/A
 Total costs: -
 Project period: 12/20/2020

Agency: Renibus Therapeutics, Inc.
 I.D.#: HIC# 2000030910
 Title: Effect of RBT-1 on Preconditioning Response Biomarkers in Subjects Undergoing CABG and/or Cardiac Valve Surgery (START)
 Role: PrincipalInvestigator
 Percent effort: N/A
 Total costs: 23672.0000/patient
 Project period: 10/6/2021

Agency: CytoSorbents, Inc.
 I.D.#: HIC# 2000031974
 Title: Safe and Timely Antithrombotic Removal - Direct Oral Anticoagulants Apixaban Rivaroxaban (STAR-D)
 P.I.: Robert Patrick Davis
 Role: SubInvestigator
 Percent effort: N/A
 Total costs: -
 Project period: 4/4/2022

Agency: CytoSorbents, Inc.
 I.D.#: HIC# 2000031980
 Title: Safe and Timely Antithrombotic Removal - Ticagrelor (STAR-T)
 P.I.: Robert Patrick Davis
 Role: SubInvestigator
 Percent effort: N/A
 Total costs: -
 Project period: 4/22/2022

Agency: Anteris Technologies Corporation
 I.D.#: HIC# 2000033211

Title: Defining Exercise Hemodynamics and Function After Transcatheter Aortic Valve Replacement (DEFINE-TAVR) Study. (DEFINE-TAVR)
P.I.: Yousif Ahmad
Role: SubInvestigator
Percent effort: N/A
Total costs: -
Project period: 9/9/2022

Agency: Edwards LifeSciences, LLC
I.D.#: HIC# 2000032877
Title: A Prospective, Randomized, Controlled Trial to Assess the Management of Moderate Aortic Stenosis by Clinical Surveillance or Transcatheter Aortic Valve Replacement (The PROGRESS Trial)
P.I.: John K Forrest
Role: SubInvestigator
Percent effort: N/A
Total costs: -
Project period: 10/26/2022

Past Clinical Trials

Agency: Artivion
I.D.#: HIC# 2000028822
Title: A Prospective, Randomized, Active (Warfarin) Controlled, Parallel-arm Clinical Trial to Determine if Participants With an On-X Aortic Valve Can be Maintained Safely and Effectively on Apixaban (PROACT Xa)
P.I.: John Elefteriades
Role: SubInvestigator
Percent effort: N/A
Total costs: -
Project period: 9/29/2020 - 3/23/2023

Agency: Endospan Ltd.
I.D.#: HIC# 2000032218
Title: A Multi-arm, Multi-Center, Non-Randomized, Prospective, Clinical Study to Evaluate the Safety and Effectiveness of the NEXUS Aortic Arch Stent Graft System in Treating Thoracic Aortic Lesions Involving the Aortic Arch (TRIOMPHE)
P.I.: Prashanth Vallabhajosyula
Role: SubInvestigator
Percent effort: N/A
Total costs: -
Project period: 8/19/2022 - 3/3/2023

Pending Clinical Trials

Agency: Vascutek Ltd.
I.D.#: HIC# 2000034590
Title: Thoraflex Hybrid and Relay Extension Post-Approval Study (EXTEND)
Role: PrincipalInvestigator
Percent effort: N/A
Total costs: -

Agency: Yale University School of Medicine
I.D.#: HIC# 2000031944
Title: Structural, Cellular and biomechanical changes associated with Thoracic Aortic Aneurysms and Dissections
Role: PrincipalInvestigator
Percent effort: N/A
Total costs: -
Project period: 1/27/2022

Invited Speaking Engagements, Presentations & Workshops Not Affiliated With Yale:

International/National

1. Bicuspid Aortic Valve with Severe Aortic Insufficiency – Repair or Replace?. 4th Annual Aortic Valve Repair Symposium, Bicuspid Aortic Valve with Severe Aortic Insufficiency – Repair or Replace?, Philadelphia, PA, January 2019.
2. Bicuspid Aortic Valve Repair Failure – Case Study. 4th Annual Aortic Valve Repair Symposium, Bicuspid Aortic Valve Repair Failure – Case Study, Philadelphia, PA, January 2019.
3. Valve-sparing aortic root replacement in severe aortic regurgitation. 4th Annual Aortic Valve Repair Symposium, Valve-sparing aortic root replacement in severe aortic regurgitation, Philadelphia, PA, January 2019.
4. Valve-Sparing Aortic Root Replacement in Bicuspid Aortic Valves. 10th Surgery of the Thoracic Aorta Symposium, Valve-Sparing Aortic Root Replacement in Bicuspid Aortic Valves, Bologna, Emilia-Romagna, Italy, January 2019.
5. Surgical Management of Acute Aortic Dissections: Tricks and Tips to Simplify the Operation. Cardiothoracic Surgery Network, Surgical Management of Acute Aortic Dissections: Tricks and Tips to Simplify the Operation, International live event hosted by CTSNet, January 2020.
6. Aortic Valve and Root Anatomy and Function. University of Pennsylvania, 5th North American Aortic Valve Repair Symposium 2022, Philadelphia, PA, September 2022.

Peer-Reviewed Presentations Given at Meetings Not Affiliated With Yale:

International/National

1. Cytoplasmic Tyrosine 774 Is Critical For Eph-B4 Function. Academic Surgical Congress, Cytoplasmic Tyrosine 774 Is Critical For Eph-B4 Function, New Orleans, LA, January 2013.

2. Metabolic Syndrome Is Associated With Type 2 Endoleak After Endovascular Aneurysm Repair. Academic Surgical Congress, Metabolic Syndrome Is Associated With Type 2 Endoleak After Endovascular Aneurysm Repair, New Orleans, LA, January 2013.
3. Metabolic Syndrome Is Associated With Restenosis After Carotid Endarterectomy. Academic Surgical Congress, Metabolic Syndrome Is Associated With Restenosis After Carotid Endarterectomy, New Orleans, LA, January 2013.
4. Chronic Kidney Disease Predicts Long Term Mortality After Major Lower Extremity Amputation. Academic Surgical Congress, Chronic Kidney Disease Predicts Long Term Mortality After Major Lower Extremity Amputation, New Orleans, LA, January 2013.
5. Eph-B4 Activation Reduces Neointimal Hyperplasia in Human Saphenous Vein. New England Society for Vascular Surgery, Eph-B4 Activation Reduces Neointimal Hyperplasia in Human Saphenous Vein, Stowe, VT, January 2013.
6. Advanced Age and Disease Predict Lack of Satisfaction After Iliac Stent Placement. The 1st Annual Chinese Chapter Congress of the International Union of Angiology, Advanced Age and Disease Predict Lack of Satisfaction After Iliac Stent Placement, Beijing, Beijing, China, January 2013.
7. Regulation of Extracellular Matrix Deposition and Remodeling During Vein Graft Adaptation. Academic Surgical Congress, Regulation of Extracellular Matrix Deposition and Remodeling During Vein Graft Adaptation, San Diego, CA, January 2014.
8. Calcification Predicts In-Stent Restenosis After Carotid Artery Stenting in High-Risk Patients. American College of Surgeons, Calcification Predicts In-Stent Restenosis After Carotid Artery Stenting in High-Risk Patients, San Francisco, CA, January 2014.
9. Bone Marrow Derived Mesenchymal Stem Cells Accelerate Diabetic Wound Healing in a Murine Model. New England Surgical Society Surgical Resident and Fellow Presentation Day, Bone Marrow Derived Mesenchymal Stem Cells Accelerate Diabetic Wound Healing in a Murine Model, Worcester, MA, January 2014.
10. Characterizing the evolution of the extracellular matrix during adaptation of the venous limb of the maturing arteriovenous fistula. Vascular Annual Meeting, Characterizing the evolution of the extracellular matrix during adaptation of the venous limb of the maturing arteriovenous fistula, Boston, MA, January 2014.
11. Mouse arteriovenous fistula recapitulates the course of human fistula maturation. Vascular Annual Meeting, Mouse arteriovenous fistula recapitulates the course of human fistula maturation, Boston, MA, January 2014.
12. Blastomycosis in Indiana: Clinical and Epidemiological Patterns of Disease Gleaned from a Multicenter Retrospective Observational Study. Infectious Diseases Society of America, Blastomycosis in Indiana: Clinical and Epidemiological Patterns of Disease Gleaned from a Multicenter Retrospective Observational Study, Philadelphia, PA, January 2014.
13. Metabolic Syndrome Predicts High Risk Status After Vascular Surgical Operations. Academic Surgical Congress, Metabolic Syndrome Predicts High Risk Status After Vascular Surgical Operations, Las Vegas, NV, January 2015.
14. Delivery Of Mesenchymal Stem Cells In Biomimetic Engineered Scaffolds Promotes Healing Of Diabetic Ulcers. Academic Surgical Congress, Delivery Of Mesenchymal Stem Cells In Biomimetic Engineered Scaffolds Promotes Healing Of Diabetic Ulcers, Jacksonville, FL, January 2016.

15. Simplifying the repair of Barlow's disease: A solution to excess leaflet tissue without resection. American Association for Thoracic Surgery, Simplifying the repair of Barlow's disease: A solution to excess leaflet tissue without resection, Baltimore, MD, January 2016.
16. Histoplasmosis in a Non-Endemic Area: An Often Unrecognized Disease. Infectious Diseases Society of America, Histoplasmosis in a Non-Endemic Area: An Often Unrecognized Disease, New Orleans, LA, January 2016.
17. The Difficult Catheter Placement: Can We Protect Hospitalized Patients From Iatrogenic Catheter Injury And Reduce Unnecessary Urology Consults?. Annual Meeting of the New England Section of the American Urological Association, The Difficult Catheter Placement: Can We Protect Hospitalized Patients From Iatrogenic Catheter Injury And Reduce Unnecessary Urology Consults?, Montreal, QC, Canada, January 2017.
18. Pilot Study of Perioperative Blood Glucose Management in General Surgical Patients. Academic Surgical Congress, Pilot Study of Perioperative Blood Glucose Management in General Surgical Patients, Jacksonville, FL, January 2018.
19. The Impact of Concomitant Coronary Artery Bypass Grafting with Aortic Valve Replacement on 30-Day Hospital Readmissions: An Analysis of Over 114,000 Procedures. Society of Thoracic Surgeons, The Impact of Concomitant Coronary Artery Bypass Grafting with Aortic Valve Replacement on 30-Day Hospital Readmissions: An Analysis of Over 114,000 Procedures, San Diego, CA, January 2019.
20. Improvement in Prediction of Readmission after CABG with Cause-Specific Readmission Models. American Heart Association Quality of Care Outcomes Research, Improvement in Prediction of Readmission after CABG with Cause-Specific Readmission Models, Arlington, VA, January 2019.
21. Risk Stratification of Cytomegalovirus Seropositive Kidney Transplant Recipients for CMV Infection. American Transplant Congress, Risk Stratification of Cytomegalovirus Seropositive Kidney Transplant Recipients for CMV Infection, Boston, MA, January 2019.
22. Explant of a Balloon-Expandable transcatheter aortic valve for endocarditis. European Association of Cardio-Thoracic Surgery, Explant of a Balloon-Expandable transcatheter aortic valve for endocarditis, Lisbon, Lisbon, Portugal, January 2019.
23. Bicuspid Aortic Valve Repair with External Subannular Ring. 10th Surgery of the Thoracic Aorta Symposium, Bicuspid Aortic Valve Repair with External Subannular Ring, Bologna, Emilia-Romagna, Italy, January 2019.
24. How we do it: Valve-sparing aortic root replacement in a bicuspid aortic valve. STS/EACTS Latin America Cardiovascular Surgery Conference, How we do it: Valve-sparing aortic root replacement in a bicuspid aortic valve, Cancún, Q.R., Mexico, January 2019.
25. Intervention Management Strategies and Association With Long-Term Mortality in Patients With Concomitant Aortic Valve Stenosis and Coronary Artery Disease. Transcatheter Cardiovascular Therapeutics, Intervention Management Strategies and Association With Long-Term Mortality in Patients With Concomitant Aortic Valve Stenosis and Coronary Artery Disease, J Am Coll Cardiol. 2020 Oct, 76 (17 Supplement S) B50, January 2020.
26. Poor Survival in Patients With Aortic Stenosis Without Intervention. Transcatheter Cardiovascular Therapeutics, Poor Survival in Patients With Aortic Stenosis Without Intervention, J Am Coll Cardiol. 2020 Oct, 76 (17 Supplement S) B47–B48, January 2020.

Regional

1. External Validation of Clinical Criteria for Obtaining Maxillofacial Computed Tomography in Trauma. American College of Surgeons, Connecticut Chapter, External Validation of Clinical Criteria for Obtaining Maxillofacial Computed Tomography in Trauma, Farmington, CT, January 2016.
2. Leaflet Realignment with Gore-Tex Combined with a Non-Restrictive Annuloplasty Provides Effective and Durable Repair of Ischemic Mitral Regurgitation. The Mitral Conclave of the American Association for Thoracic Surgery, Leaflet Realignment with Gore-Tex Combined with a Non-Restrictive Annuloplasty Provides Effective and Durable Repair of Ischemic Mitral Regurgitation, New York, NY, January 2017.

Professional Service:

Peer Review Groups/Grant Study Sections

2021 - Present Grant Reviewer, Thoracic Surgery Foundation

Journal Services

Reviewer

2002 - Present Reviewer, Frontiers in Cardiovascular Medicine
2014 - Present Reviewer, Annals of Surgery
2014 - Present Reviewer, Journal of Surgical Research
2014 - Present Reviewer, Stem Cell Translational Medicine
2014 - Present Reviewer, Journal of Surgical Oncology
2014 - Present Reviewer, Chinese Journal of Cancer
2014 - Present Reviewer, Cancer Communications
2017 - Present Reviewer, Annals of Thoracic Surgery

Yale University / Hospital System

Medical School

2012 - 2017 Instructor, Surgical clerkship orientation and suturing workshop for Yale medical students and surgical interns
2014 - 2017 Instructor, Annual Yale Surgery bootcamp for medical students who have matched into surgical residencies
2014 - 2017 Instructor, Annual medical student workshop for evaluation of acute abdomen

Department

2015 - 2017 Lead, Surgical Outcomes and Quality Improvement Committee
2016 - 2017 Member, Strategic Planning Committee
2020 - Present Member, Taskforce on Telehealth Medicine
2021 - Present Faculty Member, Mock Oral Board Examiner for Surgery

Hospital

2015 - 2016 Member, Graduate Medical Education Council

Bibliography:

Peer-Reviewed Original Research

1. Yamamoto K, Protack CD, Tsuneki M, Hall MR, Wong DJ, Lu DY, **Assi R**, Williams WT, Sadaghianloo N, Bai H, Miyata T, Madri JA, Dardik A. The mouse aortocaval fistula recapitulates human arteriovenous fistula maturation *AJP Heart And Circulatory Physiology* 2013, 305: h1718-h1725. [PMID: 24097429](#), [PMCID: PMC3882542](#), [DOI: 10.1152/ajpheart.00590.2013](#).
2. Hall MR, Protack CD, **Assi R**, Williams WT, Wong DJ, Lu D, Muhs BE, Dardik A. Metabolic syndrome is associated with type II endoleak after endovascular abdominal aortic aneurysm repair *Journal Of Vascular Surgery* 2013, 59: 938-943. [PMID: 24360238](#), [PMCID: PMC3966942](#), [DOI: 10.1016/j.jvs.2013.10.081](#).
3. **Assi R**, Azzi Y, Protack CD, Williams WT, Hall MR, Wong DJ, Lu DY, Vasilas P, Dardik A. Chronic kidney disease predicts long-term mortality after major lower extremity amputation *North American Journal Of Medical Sciences* 2014, 6: 321-327. [PMID: 25077080](#), [PMCID: PMC4114009](#), [DOI: 10.4103/1947-2714.136910](#).
4. Lu DY, Chen EY, Wong DJ, Yamamoto K, Protack CD, Williams WT, **Assi R**, Hall MR, Sadaghianloo N, Dardik A. Vein graft adaptation and fistula maturation in the arterial environment *Journal Of Surgical Research* 2014, 188: 162-173. [PMID: 24582063](#), [PMCID: PMC3972303](#), [DOI: 10.1016/j.jss.2014.01.042](#).
5. Kassis S, Savetamal A, **Assi R**, Crombie RE, Ali R, Moores C, Najjar A, Hansen T, Ku T, Schulz JT. Characteristics of Patients with Injury Secondary to Smoking on Home Oxygen Therapy Transferred Intubated to a Burn Center *Journal Of The American College Of Surgeons* 2014, 218: 1182-1186. [PMID: 24698489](#), [DOI: 10.1016/j.jamcollsurg.2013.12.055](#).
6. Shah A, Pfaff MJ, **Assi R**, Wu W, Steinbacher DM. PDE-5 inhibition improves skin flap viability in rats that are exposed to nicotine *Microsurgery* 2014, 34: 390-397. [PMID: 24610727](#), [DOI: 10.1002/micr.22237](#).
7. Williams WT, **Assi R**, Hall MR, Protack CD, Lu DY, Wong DJ, Vasilas P, Dardik A. Metabolic Syndrome Predicts Restenosis after Carotid Endarterectomy *Journal Of The American College Of Surgeons* 2014, 219: 771-777. [PMID: 25158910](#), [DOI: 10.1016/j.jamcollsurg.2014.04.014](#).
8. **Assi R**, Youssef SJ, Almarzooq Z, Al-Raweshidy Y, Hashim PW, Geirsson A, Hashim SW. The "Free" Right Internal Thoracic Artery: A Versatile and Durable Conduit *Journal Of Cardiac Surgery* 2014, 29: 609-615. [PMID: 25040250](#), [DOI: 10.1111/jocs.12396](#).
9. Hall MR, Yamamoto K, Protack CD, Tsuneki M, Kuwahara G, **Assi R**, Brownson KE, Bai H, Madri JA, Dardik A. Temporal Regulation of venous Extracellular Matrix Components during Arteriovenous Fistula Maturation *The Journal Of Vascular Access* 2014, 16: 93-106. [PMID: 25262757](#), [PMCID: PMC4405006](#), [DOI: 10.5301/jva.5000290](#).
10. Hashim PW, **Assi R**, Hashim SW. The Imbrication Technique: An Alternative to the Sliding Leaflet Technique *The Annals Of Thoracic Surgery* 2014, 98: 1124-1126. [PMID: 25193210](#), [DOI: 10.1016/j.athoracsur.2014.01.066](#).
11. Azar M, **Assi R**, Relich R, Schmitt B, Norris S, Wheat L, Hage C. 1215 Blastomycosis in Indiana: Clinical and Epidemiological Patterns of Disease Gleaned from a Multicenter Retrospective Observational Study *Open Forum Infectious Diseases* 2014, 1: s38-s39. [DOI: 10.1093/ofid/ofu051.103](#).

12. **Assi R**, Wong DJ, Boffa DJ, Detterbeck FC, Wang Z, Chupp GL, Kim AW. Hospital Readmission After Pulmonary Lobectomy Is Not Affected by Surgical Approach The Annals Of Thoracic Surgery 2014, 99: 393-398. [PMID: 25497070](#), [DOI: 10.1016/j.athoracsur.2014.10.014](#).
13. **Assi R**, Brownson KE, Hall MR, Kuwahara G, Vasilas P, Dardik A. Advanced age and disease predict lack of symptomatic improvement after endovascular iliac treatment in male veterans. The Yale Journal Of Biology And Medicine 2015, 88: 85-91. [PMID: 25745377](#), [PMCID: PMC4345543](#).
14. Yamamoto K, Protack CD, Kuwahara G, Tsuneki M, Hashimoto T, Hall MR, **Assi R**, Brownson KE, Foster TR, Bai H, Wang M, Madri JA, Dardik A. Disturbed shear stress reduces Klf2 expression in arterial-venous fistulae in vivo Physiological Reports 2015, 3: e12348. [PMID: 25780089](#), [PMCID: PMC4393175](#), [DOI: 10.14814/phy2.12348](#).
15. Azar MM, **Assi R**, Relich RF, Schmitt BH, Norris S, Wheat LJ, Hage CA. Blastomycosis in Indiana Clinical and Epidemiologic Patterns of Disease Gleaned from a Multicenter Retrospective Study CHEST Journal 2015, 148: 1276-1284. [PMID: 26020566](#), [DOI: 10.1378/chest.15-0289](#).
16. **Assi R**, Foster TR, He H, Stamati K, Bai H, Huang Y, Hyder F, Rothman D, Shu C, Homer-Vanniasinkam S, Cheema U, Dardik A. Delivery of mesenchymal stem cells in biomimetic engineered scaffolds promotes healing of diabetic ulcers Regenerative Medicine 2016, 11: 245-260. [PMID: 26986810](#), [PMCID: PMC4976993](#), [DOI: 10.2217/rme-2015-0045](#).
17. Kuwahara G, Hashimoto T, Tsuneki M, Yamamoto K, **Assi R**, Foster TR, Hanisch JJ, Bai H, Hu H, Protack CD, Hall MR, Schardt JS, Jay SM, Madri JA, Kodama S, Dardik A. CD44 Promotes Inflammation and Extracellular Matrix Production During Arteriovenous Fistula Maturation Arteriosclerosis Thrombosis And Vascular Biology 2017, 37: 1147-1156. [PMID: 28450292](#), [PMCID: PMC5467640](#), [DOI: 10.1161/atvbaha.117.309385](#).
18. Azar MM, **Assi R**, Valika AK, Banach DB, Hall IE, Landry ML, Malinis MF. Graft loss among renal-transplant recipients with early reduction of immunosuppression for BK viremia World Journal Of Transplantation 2017, 7: 269-275. [PMID: 29104861](#), [PMCID: PMC5661124](#), [DOI: 10.5500/wjt.v7.i5.269](#).
19. Azar MM, Zhang X, **Assi R**, Hage C, Wheat LJ, Malinis MF. Clinical and epidemiological characterization of histoplasmosis cases in a nonendemic area, Connecticut, United States. Medical Mycology 2017, 56: 896-899. [PMID: 29228334](#), [DOI: 10.1093/mmy/myx120](#).
20. Harrington AW, Pei KY, Assi R, Davis KA. External Validation of University of Wisconsin's Clinical Criteria for Obtaining Maxillofacial Computed Tomography in Trauma Journal Of Craniofacial Surgery 2018, 29: e167-e170. [PMID: 29309356](#), [DOI: 10.1097/scs.0000000000004240](#).
21. **Assi R**, Bavaria JE, Desai ND. Techniques and outcomes of secondary open repair for chronic dissection after acute repair of type A aortic dissection. The Journal Of Cardiovascular Surgery 2018, 59: 759-766. [PMID: 29943963](#), [DOI: 10.23736/s0021-9509.18.10646-x](#).
22. Guo J, Hu H, Gorecka J, Bai H, He H, **Assi R**, Isaji T, Wang T, Setia O, Lopes L, Gu Y, Dardik A. Adipose-derived mesenchymal stem cells accelerate diabetic wound healing in a similar fashion as bone marrow-derived cells American Journal Of Physiology - Cell Physiology 2018, 315: c885-c896. [PMID: 30404559](#), [PMCID: PMC6336941](#), [DOI: 10.1152/ajpcell.00120.2018](#).
23. Ying LD, Harrington A, **Assi R**, Thiessen C, Contessa J, Hubbard M, Yoo P, Nadzam G. Measuring Uncertainty Intolerance in Surgical Residents Using Standardized Assessments Journal Of Surgical Research 2019, 245: 145-152. [PMID: 31419639](#), [DOI: 10.1016/j.jss.2019.07.035](#).
24. **Assi R**, Siki MA, Desai ND, Bavaria JE. Repair of type A aortic intramural hematoma with ascending and hemiarch reconstruction using circulatory arrest and retrograde cerebral perfusion. Annals Of

- Cardiothoracic Surgery 2019, 8: 567-569. [PMID: 31667156](#), [PMCID: PMC6785493](#), [DOI: 10.21037/acs.2019.08.06](#).
25. **Assi R**, Siki M, Desai N, Bavaria J. Repair of type A aortic intramural hematoma with ascending and hemiarach reconstruction using circulatory arrest and retrograde cerebral perfusion *ASVIDE* 2019, 6: 280-280. [DOI: 10.21037/asvide.2019.280](#).
 26. Bojko MM, **Assi R**, Bavaria JE, Suhail M, Habertheuer A, Hu RW, Harmon J, Milewski RK, Desai ND, Szeto WY, Vallabhajosyula P. Midterm outcomes and durability of sinus segment preservation compared with root replacement for acute type A aortic dissection *Journal Of Thoracic And Cardiovascular Surgery* 2020, 163: 900-910.e2. [PMID: 32620395](#), [DOI: 10.1016/j.jtcvs.2020.04.064](#).
 27. Mori M, Geirsson A, Vallabhajosyula P, **Assi R**. Surgical management of thoracic aortic emergency with pre- and postoperative COVID-19 disease *Journal Of Cardiac Surgery* 2020, 35: 2832-2834. [PMID: 32667075](#), [PMCID: PMC7405051](#), [DOI: 10.1111/jocs.14865](#).
 28. Mori M, Gan G, Bin Mahmood SU, Deng Y, Mullan CW, **Assi R**, Vallabhajosyula P, Badhwar V, Geirsson A. Variations in Anticoagulation Practice Following Bioprosthetic Aortic and Mitral Valve Replacement and Repair *Journal Of The American College Of Cardiology* 2020, 76: 2412-2413. [PMID: 33183513](#), [DOI: 10.1016/j.jacc.2020.08.083](#).
 29. Weininger G, Mori M, Brooks C, Shang M, Vinholo T, Zhang Y, **Assi R**, Geirsson A, Vallabhajosyula P. Association Between Cardiac Surgeons' Number of Years in Practice and Surgical Outcomes in New York Cardiac Centers *JAMA Network Open* 2020, 3: e2023671. [PMID: 33141159](#), [PMCID: PMC7610186](#), [DOI: 10.1001/jamanetworkopen.2020.23671](#).
 30. Yousef S, Mori M, Bin Mahmood SU, **Assi R**, Vallabhajosyula P, Geirsson A, Tellides G. Diagnosis of Thoracic Aortic Aneurysms by Computed Tomography Without Allometric Scaling *JAMA Network Open* 2020, 3: e2023689. [PMID: 33141157](#), [PMCID: PMC7610193](#), [DOI: 10.1001/jamanetworkopen.2020.23689](#).
 31. Nussbaum EZ, Patel KK, **Assi R**, Raad RA, Malinis M, Azar MM. Clinicopathologic Features of Tissue Granulomas in Transplant Recipients: A Single Center Study in a Nontuberculosis Endemic Region. *Archives Of Pathology Laboratory Medicine* 2020, 145: 988-999. [PMID: 33290524](#), [DOI: 10.5858/arpa.2020-0271-0a](#).
 32. **Assi R**. Aortic Valve Repair 2021, 131-137. [DOI: 10.1007/978-3-030-78877-3_49](#).
 33. Weininger G, Einarsson A, Mori M, Brooks C, Shang M, **Assi R**, Vallabhajosyula P, Geirsson A. The relationship between cardiac surgeon experience and average patient risk profile: CA and NY statewide analysis *Journal Of Cardiac Surgery* 2021, 36: 1189-1193. [PMID: 33462886](#), [DOI: 10.1111/jocs.15333](#).
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