

**ROBERT MARTIN COLE, MD, FACC**

**CURRICULUM VITAE**

April 14<sup>th</sup>, 2021

**PROFESSIONAL CONTACT INFORMATION**

Business Address: Cedars-Sinai Medical Center  
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**EDUCATION**

**Undergraduate**

Brown University, Providence Rhode Island 2000-2004  
B.A.in Biology, May 2004

**Graduate**

Boston University, Boston, Massachusetts 2004-2006  
M.A. in Medical Sciences with focus on Biomedical  
Engineering-Honors in Research

**Medical Education**

Boston University School of Medicine 2006-2010  
Doctor of Medicine, *Cum Laude*

**Residency**

UCLA Medical Center, Los Angeles, CA 2010-2013  
Internal Medicine

**General Cardiology Fellowship**

Cedars-Sinai Medical Center, Los Angeles, CA 2013-2016

**Advanced Cardiology Fellowship**

Advanced Heart Failure/MCS/Transplant Cardiology Fellow 2016-2017

**LICENSURE:**

National Provider Identifier (NPI), 1154646289 2010 –  
California Medical License, #A118588 2011 –

Drug Enforcement Administration (DEA), FC2895552 2017 –

**BOARD CERTIFICATION:**

ABIM, Internal Medicine 2013-  
Adult Comprehensive Echocardiography, NBE 2015-  
Nuclear Cardiology, CBNC 2015-  
ABIM, General Cardiology 2016-  
ABIM, Advanced Heart Failure, MCS, Transplant Cardiology 2018-

**PROFESSIONAL EXPERIENCE:**

**Present Position:**

2017- Advanced Heart Failure/Mechanical Circulatory Support/Transplant Cardiology  
Attending California Heart Center, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA

2017- Associate Director, Mechanical Circulatory Support Research and Education  
Cedars-Sinai Smidt Heart Institute, Los Angeles, CA

2019- Assistant Professor, Cedars-Sinai Medical Center, Los Angeles, CA

**PROFESSIONAL ACTIVITIES:**

**Professional Associations/Society Memberships:**

2014- Fellow of the American College of Cardiology

2016- Member of the International Society of Heart and Lung Transplantation

2017- Member of the Heart Failure Society of America

2018- Member of the American Society of Artificial Internal Organs

**Professional Committees:**

2019-2024 American College of Cardiology Performance Question Writer for Heart Failure SAP

2019- Cedars-Sinai Clinical Performance Committee

2020- Cedars-Sinai Smidt Heart Institute Cardiology Performance Improvement Committee

2020- Cedars-Sinai COVID-19 Cardiology Guidelines Committee, chair

**Editorial Services:**

2019 Reviewer of the 2019 AATS/ISHLT Guidelines on Selected Topics in  
Mechanical Circulatory Support

2019 Reviewer for the Journal of Cardiac Failure

2019-2020 ISHLT 2020: Abstract Reviewer: Junior Faculty Clinical Case Reports: Mechanical  
Circulatory Support

**HONORS AND SPECIAL AWARDS:**

2004-2006 Research Honors, Boston University

2006-2010 *Cum Laude*, Boston University School of Medicine

2006-2010 Internal Medicine Award, Boston University School of Medicine

2009 Gold Humanism Award Recipient

2010 Editor's Choice Award for top rated paper of a volume year, Spine Journal

2010-2013 UCLA Commendation for Excellence in Medical Student Teaching (Awarded 4 Times)

2014 Elliot Corday Fellow of the Year Award, Cedars-Sinai Medical Center

2014 Standing Ovation for Patient Service, Cedars-Sinai Medical Center

2016 Standing Ovation for Patient Service, Cedars-Sinai Medical Center

2017 Resident Teaching Award, Graduate Medical Education (GME), Cedars-Sinai Medical Center

2019 Cedars-Sinai Friend of Nursing Award, Cedars-Sinai Medical Center

2019 Patient Experience Award for Patient Satisfaction, Cedars-Sinai Medical Center

2019 Cedars-Sinai Circle of Friends Patient Recognition Award

**RESEARCH GRANTS AND FELLOWSHIPS RECEIVED:**

**Active/Ongoing:**

**Syncardia** **Trento (site PI)** **2015 -**  
**Syncardia 70 cc** Temporary Total Artificial Heart for Destination Therapy Study  
 Role: Co-Investigator

**Syncardia** **Trento (site PI)** **2015 -**  
**Syncardia 50 cc** Temporary Total Artificial Heart for Destination Therapy Study  
 Role: Co-Investigator

**Abbott** **Ramzy (site PI)** **2015-**  
**MOMENTUM 3** (Multi-Center Study of Maglev Technology in Patients Undergoing MCS Therapy with HeartMate 3™  
 Role: Co-Investigator

**Abbott** **Ramzy (site PI)** **2016 -**  
**MOMENTUM 3 CAP** Multi-Center Study of Maglev Technology in Patients Undergoing MCS Therapy with HeartMate 3™ Continued Access Protocol: Post-Approval Continued Follow-up  
 Role: Co-Investigator

**NIH/Duke University** **Kransdorf (Site PI)** **2017-**  
**Entresto™ (LCZ696) In Advanced Heart Failure (Life Study).** The purpose of this study is to evaluate the effects of LCZ696 (Entresto) compared to valsartan by evaluating NT-proBNP levels. The hypothesis is that patients with symptomatic heart failure due to left ventricular systolic dysfunction, treatment with LCZ696 for 24 weeks will improve NT-proBNP levels. The study is a randomized, double-blinded trial of advanced heart failure subjects.  
 Role: Co-Investigator

**Amgen** **Chang (Site PI)** **2018-**  
**GALACTIC:** A Double-blind, Randomized, Placebo-controlled, Multicenter Study to Assess the Efficacy and Safety of Omecamtiv Mecarbil on Mortality and Morbidity in Subjects with Chronic Heart Failure with Reduced Ejection Fraction

Role: Co-Investigator

**Bio Cardia, Inc**

**Chang (Site PI)**

**2019 –**

**CardiAMP Heart Failure Trial:** Randomized Controlled Pivotal Trial of Autologous Bone Marrow Mononuclear Cells Using the CardiAMP Cell Therapy in Patients with Post Myocardial Infarction Heart Failure.  
Role: Co-Investigator

**RESEARCH FOCUS AND INTERESTS:**

I am currently the Associate Director of Mechanical Circulatory Support (MCS) research and education at the Cedars-Sinai Heart Institute, and Assistant Professor of Medicine at Cedars Sinai Medical Center. My research focus is predominantly on temporary and durable mechanical circulatory support devices for advanced heart failure, particularly their indications/outcomes as well as management of cardiogenic shock. I am also involved in a number of ongoing trials evaluating the etiology, diagnosis and management of congestive heart failure and cardiomyopathy.

**INVITED LECTURES AND PRESENTATIONS:**

1. Novel Therapies in Advanced Failure. 11<sup>th</sup> Annual Cardiovascular Symposium at San Antonio Regional Hospital, Upland, CA, Saturday, October 14, 2017
2. Practicum in Mechanical Circulatory Support: An Expert Review, Los Angeles, CA, October 27-28, 2017
3. There should be No Age Limits in Advanced Therapies, Success with Failure: A Multidisciplinary Approach to Heart Failure, Los Angeles, CA, Friday, May 11, 2018
4. UCLA medical student lecture on angina and coronary artery disease, Los Angeles, CA, Monday, June 4, 2018
5. Indications for Mechanical Circulatory Support for Heart Failure: “When to Say Yes, When to Say No, When to Say When,” Optimal Care and New Therapies for Advanced Heart Disease, Santa Barbara, CA, Saturday, November 3, 2018
6. Indications for and Management of Mechanical Circulatory Support. Harbor-UCLA Grand Rounds, Torrance, CA, Monday, January 14, 2019
7. A New Paradigm in Temporary Mechanical Circulatory Support: 100 Patient Experience with a Novel Minimally Invasive Temporary Left Ventricular Assist Device, Joshua Chung, Dominic Emerson, Akbarshakh Akhmerov, Dominick Megna, Mario Aguillon, Carmelita Runyan, **Robert M Cole**, Jaime Moriguchi, Danny Ramzy STS 55<sup>th</sup> Annual Meeting, San Diego, CA; January 27, 2019
8. Moderator Success with Failure: A Multidisciplinary Approach to Heart Failure, Marina Del Rey, CA, Friday, February 1, 2019
9. Mechanical Circulatory Support options in Advanced Heart Failure. Nursing Grand Rounds, Cedars-Sinai Medical Center, Los Angeles, CA, Tuesday, February 12, 2019
10. Hemodynamic Evaluation of Right Ventricular Function Before and After Impella 5.0 Placement for Cardiogenic Shock. Aaron Wolfson, Robert M Cole, et al, RV function, abstract and oral presentation, ISHLT 2019.

11. Developing State of the Art Advanced Heart Therapies. 21<sup>st</sup> Annual Berdie Justice Memorial Lecture, Cedars-Sinai Medical Center, Los Angeles, CA, Tuesday, May 7, 2019
12. Temporary Mechanical Circulatory Support. Cardiology Fellows Didactic Lecture, Cedars-Sinai Medical Center, Los Angeles, CA, Monday, July 15, 2019.
13. Long Term Mechanical Support – TAH. Advanced Heart Failure and Transplant Cardiology Fellowship Didactic Lecture, Cedars-Sinai Medical Center, Los Angeles, CA, Wednesday, July 17, 2019.
14. Indications for Mechanical Circulatory Support for Heart Failure. Optimal Care and New Therapies for Advanced Heart Disease, Las Vegas, NV, Saturday, September 7, 2019
15. Destination vs Destiny. Practicum in MCS: Managing Cardiogenic Shock With Short-Term Devices. Cedars-Sinai Medical Center, CA. Friday, October 11<sup>th</sup>, 2019.
16. Moderator: Lunch & Roundtable Discussion. Practicum in MCS: Managing Cardiogenic Shock With Short-Term Devices. Cedars-Sinai Medical Center, CA. Friday, October 11<sup>th</sup>, 2019.
17. Update on Advanced Heart Failure. San Antonio Regional Hospital Cardiac Conference, Upland, CA. Thursday, November 14, 2019.

**TEACHING ACTIVITIES:**

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| 2016-2017 | UCLA medical student lectures on heart disease including physical exam and angina  |
| 2016-2017 | Cedars-Sinai Anesthesiology resident and Cardiac Anesthesiology fellow annual curriculum on mechanical circulatory support device management |
| 2016-2017 | General and Advanced Heart disease Cardiology Fellow Curriculum on Cardiogenic Shock, temporary and durable MCS                              |
| 2016-2017 | Attending physician on housestaff cardiac service at Cedars-Sinai Medical Center   |
| 2016-2017 | Echocardiography in MCS patients-curriculum for Cedars-Sinai Medical Center sonographers   |

## **BIBLIOGRAPHY/PUBLICATIONS**

### **Research Papers – Peer Reviewed:**

1. Jacobsen KA, Al-Aql ZS, Wan C, Fitch JL, Stapleton SN, Mason ZD, **Cole RM**, Gilbert SR, Clemens TL, Morgan EF, Einhorn TA, Gerstenfeld LC. Bone formation during distraction osteogenesis is dependent on both VEGFR1 and VEGFR2 signaling. *Journal of Bone and Mineral Research*. 2008 May; 23(5): 596-609. Cited in PubMed; PMID: 18433297.
2. Kalichman L, Li L, Kim DH, Guermazi A, Berkin V, O'Donnell CJ, Hoffmann U, **Cole R**, Hunter DJ. Facet joint osteoarthritis and low back pain in the community-based population. *Spine Journal*. 2008 Nov; 33(23): 2560-5. Cited in PubMed; PMID: 18923337.
3. Kalichman L, **Cole R**, Kim DH, Li L, Suri P, Guermazi A, Hunter DJ. Spinal stenosis prevalence and association with symptoms: the Framingham Study. *Spine Journal*. 2009 Jul; 9(7): 545-550. Cited in PubMed; PMID: 19398386.
4. **Cole RM**, Kobashigawa JA. Desensitization strategies pre- and post- cardiac transplantation. *Curr Treatment Options in Cardiovascular Medicine*. 2016 Feb; 18 (2): 8. PMID: 26781656
5. Setareh-Shenas S, Thomas F, **Cole RM**, Lemor A, Herzog E, Arabia FA, Moriguchi J; Evaluation of 30-Day Readmissions After Index Ventricular Assist Device Implantation in the United States; *American Society of Artificial Internal Organs Journal*; Aug 2019;65(6):601-604. doi 10.1097. PMID: 30299298
6. Kittleson MM, **Cole RM**, Patel J, Ramzy D, Passano E, Chang DH, Geft DR, Czer L, Vescio R, Chung J, Kobashigawa JA, Arabia F, Esmailian F, Moriguchi JD. Mechanical Circulatory Support for Cardiac Amyloidosis. *Clin Transplant*. 2019 Jul 15: e13663. doi 10.1111. PMID: 31309629.
7. Chung JS, Emerson D, Ramzy D, Akhmerov A, Megna D, Esmailian F, Kobashigawa J, **Cole RM**, Moriguchi J, Trento A. A new paradigm in mechanical circulatory support: 100 patient experience. *Ann Thorac Surg*. 2019;S0003-4975(19)31430-4. doi:10.1016/j.athoracsur.2019.08.041
8. **Cole, RM**. Total artificial heart and the hepatobiliary-GI systems. *Ann Cardiothoracic Surg*. 2020. 2020;9(2):131-3.
9. Zadikany RH, **Cole RM**, Chang DH, Patel JK, Geft DR, Czer L, Esmailian F, Ramzy D, Moriguchi JD, Kobashigawa JA, Kittleson MM. Total Artificial Heart as Bridge to Cardiac Retransplantation. *ASAIO J*. 2020 Jun 29;10.1097/MAT.0000000000001217. doi: 10.1097/MAT.0000000000001217. Online ahead of print. PMID: 32639257.
10. Kittleson MM, Barone H, **Cole RM**, Olman M, Fishman A, Olanisa L, Runyan C, Hajj J, Huie N, Lindsay M, Sun N, Luong E, Cheng S, Passano E, Kobashigawa JA, Esmailian F, Ramzy D, Moriguchi JD. The Impact of a High-risk Psychosocial Assessment on Outcomes After Durable Mechanical Circulatory Support. *ASAIO J*. 2020 Jul 23. doi: 10.1097/MAT.0000000000001229. Online ahead of print. PMID: 32740124
11. Reich H, Ramzy D, Moriguchi J, Dimbil S, Levine R, Passano E, Kittleson M, **Cole R**, Czer L, Chang D, Geft D, Trento A, Chikwe J, Kobashigawa J, Esmailian F. Acceptable Post-Heart Transplant Outcomes Support Temporary MCS Prioritization in the New OPTN|UNOS Heart Allocation Policy. *Transplant Proc*. 2021 Jan-Feb;53(1):353-357. doi: 10.1016/j.transproceed.2020.04.1819. Epub 2020 Jul 7. PMID: 32650992.

12. Zadikany RH, **Cole RM**, Chang DH, Patel JK, Geft DR, Czer L, Esmailian F, Ramzy D, Moriguchi JD, Kobashigawa JA, Kittleson MM. Total Artificial Heart as Bridge to Cardiac Retransplantation. *ASAIO J.* 2021 Mar 1;67(3):e77-e79. doi:10.1097/MAT.0000000000001217. PMID: 33627614; PMCID: PMC7326319.
13. Kittleson MM, Barone H, **Cole RM**, Olman M, Fishman A, Olanisa L, Runyan C, Hajj J, Huie N, Lindsay M, Sun N, Luong E, Cheng S, Passano E, Kobashigawa JA, Esmailian F, Ramzy D, Moriguchi JD. The Impact of a High-risk Psychosocial Assessment on Outcomes After Durable Mechanical Circulatory Support. *ASAIO J.* 2021 Apr 1;67(4):436-442. doi: 10.1097/MAT.0000000000001229. PMID: 32740124.
14. **Cole, R.M.**, Lam, L.D. Anticoagulation in Mechanical Circulatory Support. *Curr Transpl Rep* (2021). <https://doi.org/10.1007/s40472-021-00328-z>

**Research Papers – Peer Reviewed (In Press): None**

**Research Papers – Peer Reviewed (Submitted): None**

**Chapters:**

1. **Cole RM**, Hirsch AT, Henry TD. (2016). Stem Cell and Gene Therapy for Cardiovascular Disease: *Gene Therapy in Critical Limb Ischemia*. Chapter 32: pp 409-416. San Diego, CA, Elsevier. August 21, 2015
2. **Cole, R.M.**, Arabía, F.A.; Total Artificial Heart Technology: Where Are We Now? *Curr Transpl Rep*. <https://doi.org/10.1007/s40472-018-0211-z>. Springer. September 4, 2018

**Letters: None**

**Reviews: None**

**Editorials: None**

**Papers in Preparation (Research Completed): None**

**Abstracts:**

1. F. Esmailian, F. Arabia, L. Czer, M. Kittleson, D. Geft, **R. Cole**, G. Esmailian, M. Rafiei, E. Passano, H. Barone, J. Moriguchi, Does the Type of Mechanical Circulatory Support as a Bridge to Heart Transplant Affect Outcome after Transplant? *The Journal of Heart and Lung Transplantation*, Volume 37, Issue 4, Supplement, April 2018, Page S289
2. Kransdorf E, **Cole R**, Moriguchi J, Chung J, Ramzy D, Patel J, Esmailian F, and Kobashigawa J. Turn-Down for Donor Age and Size Has Increased For Heart Transplant Candidates with Mechanical Circulatory Support. *J Am Coll Cardiol.* 2019; 73(9, supp 1): 668.
3. M Kittleson, J. Patel, **R. Cole**, D. Geft, S. Dimbil, R. Levine, S. Mersola, L. Czer, B. Azarbal, R. Zabner, P. Zakowski, J.A. Kobashigawa. Does Thymoglobulin Induction Lead to Increased CMV Infection after

Heart Transplantation in the Current Tacrolimus Era. *The Journal of Heart and Lung Transplantation*. Volume 38, Issue 4, Supplement, April 2019, Pages S310-S311

4. J. Patel, M. Kittleson, D. Chang, E. Kransdorf, R. Levine, S. Dimbil, T. Kao, L. Czer, **R. Cole**, F. Esmailian, J. Kobashigawa. 5-Year Outcome of Photopheresis in Heart-Transplantation with Refractory/Persistent Rejection. *The Journal of Heart and Lung Transplantation*. Volume 38, Issue 4, Supplement, April 2019, Pages S276
5. E. Kransdorf, M. Kittleson, J. Patel, **R. Cole**, S. Dimbil, R. Levine, M. Olymbios, T. Kao, L. Czer, B. Azarbal, J. Chung, J.A. Kobashigawa. Mixed Rejection: More Important Than Thought after Heart Transplantation. *The Journal of Heart and Lung Transplantation*. Volume 38, Issue 4, Supplement, April 2019, Pages S388
6. A. Wolfson, M. Kittleson, J. Patel, E. Kransdorf, **R. Cole**, R. Levine, S. Dimbil, A. Lam, L. Czer, A. Hage, J. Chung, J. Moriguchi, J.A. Kobashigawa. Biopsy-Negative Rejection Late after Heart Transplantation: Impact on Long-Term Outcome. *The Journal of Heart and Lung Transplantation*. Volume 38, Issue 4, Supplement, April 2019, Pages S287-S288.
7. J.S. Chung, D. Emerson, D. Ramzy, A. Akhmerov, **R.M. Cole**, D. Megna, F. Esmailian, J. Moriguchi, J.A. Kobashigawa, A. Trento. Temporary Mechanical Circulatory Support, a New Paradigm in Bridging Patients to Heart Transplantation: Comparing Outcomes versus Durable Left Ventricular Assist Devices. *The Journal of Heart and Lung Transplantation*, 2019; 38(4): S230-S231
8. H. Barone, M. Olman, A. Fishman, L. Olanisa, C. Runyan, J. Hajj, N. Huie, M. Lindsay, E. Passano, J. Kobashigawa, J. Moriguchi, **R. Cole**, F. Esmailian, J. Chung, D. Ramzy. The Value of Licensed Clinical Social Worker Pre-Implant Assessment in Predicting Non-Compliance in Durable Mechanical Circulatory Support Device Patients. *The Journal of Heart and Lung Transplantation*, 2019; 38(4): S94.
9. F. Esmailian, S. Dimbil, R. Levine, M. Kittleson, **R. Cole**, L. Czer, D. Chang, D. Geft, J. Chung, D. Ramzy, J. Moriguchi, J. Kobashigawa. Acceptable Post-Heart Transplant Outcomes Support Temporary MCS as Status 2 for the New UNOS Donor Heart Allocation Policy. *The Journal of Heart and Lung Transplantation*, 2019; 38(4): S431.
10. F. Esmailian, S. Dimbil, R. Levine, M. Kittleson, **R. Cole**, L. Czer, D. Chang, D. Geft, J. Chung, D. Ramzy, J. Moriguchi, J. Kobashigawa. Temporary MCS versus Durable MCS as a Bridge to Heart Transplantation. *The Journal of Heart and Lung Transplantation*, 2019; 38(4): S344
11. J. Patel, M. Kittleson, D.H. Chang, **R. Cole**, R. Levine, S. Dimbil, A. Jain, B. Kearney, L. Czer, A. Hage, F. Esmailian, J.A. Kobashigawa. The Evolving Long-Term Outcome of Heart Transplantation in Amyloid Patients. *The Journal of Heart and Lung Transplantation*, 2019; 38(4): S216.
12. H. Barone, C. Runyan, J. Hajj, N. Huie, M. Lindsay, E. Passano, M. Olman, A. Fishman, L. Olanisa, J. A. Kobashigawa, J. Moriguchi, **R. Cole**, F. Esmailian, J. Chung, D. Ramzy. Implanting Durable MCS in Non-Compliant Patients: Do the Outcomes Outweigh the Risks? *American Society of Artificial Internal Organs Journal*. Volume 68, Supplement 1, May/June 2019, Page 53.
13. A. Akhmenrov, D. Emerson, D. Ramzy, D. Megna, Q. Chen, M. Burch, **R. Cole**, J. Moriguchi, J. Chung. Biliary Pathology and Cholecystectomy in Mechanical Circulatory Support Patients. *American Society of Artificial Internal Organs Journal*. Volume 68, Supplement 1, May/June 2019, Page 58.



14. M. Aguillon, C. Runyan, J. Hajj, N. Huie, M. Lindsay, E. Passano, L. S. Czer, **R. Cole**, J. Moriguchi, F. Esmailian, D. J. Megna, A. Trento, D. Ramzy. Acute Decompensated Heart Failure Therapy: Impella 5.0 versus Venous Arterial ECMO. *American Society of Artificial Internal Organs Journal*. Volume 68, Supplement 1, May/June 2019, Page 81.
15. C. Runyan, J. Hajj, M. Lindsay, N. Huie, E. Passano, C. Drucker, M. Aguillon, J. A. Kobashigawa, D. Ramzy, J. Chung., **R. Cole**, J. Moriguchi. A New Approach to Driveline Exit Site Care. *American Society of Artificial Internal Organs Journal*. Volume 68, Supplement 1, May/June 2019, Page 115.
16. Kittleson MM, **Cole RM**, Patel J, Ramzy D, Passano E, Chang DH, Geft DR, Czer L, Vescio R, Chung J, Kobashigawa JA, Arabia F, Esmailian F, Moriguchi JD. Mechanical circulatory support for cardiac amyloidosis. *Clin Transplant*. 2019 Oct;33(10):e13663.
17. **Cole RM**. Total artificial heart and the hepatobiliary-GI systems. *Ann Cardiothorac Surg*. 2020 Mar;9(2):131-133. PMID: 32309167
18. Nguyen VP, **Cole R**, Moriguchi J, Ramzy D, Kobashigawa JA. Donor Selection in Patients with Left Ventricular Assist Devices. *J Am Coll Cardiol*. 2020 Mar 24;75(11 S1):806.
19. Vaidya G, **Cole R**, Runyan C, Arabia FA, Megna D, Ramzy R, Emerson D, Esmailian F, Kobashigawa JA, Moriguchi J. Total Artificial Heart: Performance as a Bridge to Health and Survival. *J Am Coll Cardiol*. 2020 Mar 24;75(11 S1):757.
20. Ramzy D, **Cole R**, Kittleson M, Levine R, Emerson D, Megna D, Esmailian F, Moriguchi J, Kobashigawa JA. A Retrospective Review of How the New UNOS Heart Transplant Donor Allocation Policy Affected Urgent Status Listing and Outcomes in Status 1, 2, and 3 Listing Compared to the Old Status 1A. *J Am Coll Cardiol*. 2020 Mar 24;75(11 S1):687
21. Runyan C, Zabner R, Ramzy D, Esmailian F, Emerson D, Megna D, Passano E, Hajj J, Huie N, Lindsay M, Aguillon M, Lam L, Chang DH, Kobashigawa JA, Moriguchi J, **Cole R**. *J Heart Lung Transplant*. 2020 Apr;39(4):S486.
22. D. Emerson, D. Megna, **R. Cole**, R. Levine, F. Esmailian, J. Chikwe, A. Trento, D. Ramzy, E. Kransdorf and J. Kobashigawa. Does Brain Death Related to Underlying Donor Disease Correlate with Adverse Outcomes after Heart Transplant? *The Journal of Heart and Lung Transplantation*, Vol 39, No 4S, April 2020.
23. D. Megna, D. Emerson, **R. Cole**, R. Levine, J. Chikwe, F. Esmailian, A. Trento, D. Ramzy and J. Kobashigawa. Orthotopic Heart Transplantation in the Diabetic Patient, are We Still Worried? A Review of 952 Consecutive Patients. *The Journal of Heart and Lung Transplantation*, Vol 39, No 4S, April 2020.
24. L.D. Lam, L.S. Czer, N. Rafijah, K. Wong, F. Chen, D. Morovati, J. Shaffer, J. Hajj, N. Huie, M. Lindsay, M. Aguillon, E. Passano, C. Runyan, D. Ramzy, **R. Cole**, J. Moriguchi, and J. Kobashigawa. Mechanical Circulatory Support (MCS) Patients Bridged with Enoxaparin in the Outpatient Setting: Cedars-Sinai Medical Center Experience. *The Journal of Heart and Lung Transplantation*, Vol 39, No 4S, April 2020.
25. K.E. Sandau, M. Williams, K. Canakes, B. Martinez, H. Barone, H. Aronow, J. Hajj, N. Huie, M. Lindsay, M. Aguillon, C. Runyan, **R. Cole**, and B. Coleman. Patient Perspectives of Managing Life with

- a Left Ventricular Assist Device: “I Could Connect How I Felt with What Was Going on.” A Qualitative Analysis. *The Journal of Heart and Lung Transplantation*, Vol 39, No 4S, April 2020.
26. K.E. Sandau, M. Williams, K. Canakes, B. Martinez, H. Barone, H. Aronow, J. Hajj, N. Huie, M. Lindsay, M. Aguillon, C. Runyan, **R. Cole**, and B. Coleman. Patient Perspectives of Managing Life with a Left Ventricular Assist Device: “I Could Connect How I Felt with What Was Going on.” A Qualitative Analysis. *The Journal of Heart and Lung Transplantation*, Vol 39, No 4S, April 2020.
  27. O. Seguchi, J. Youn, D. Geft, **R. Cole**, A. Shen, K. Nishihara, S. Mersola, C. Runyan, J. Hajj, D. Ramzy, J.A. Kobashigawa and J. Moriguchi. The Burden of Total Artificial Heart Patients and Complications after Heart Transplantation. *The Journal of Heart and Lung Transplantation*, Vol 39, No 4S, April 2020.
  28. J. Youn, O. Seguchi, **R. Cole**, D. Geft, K. Nishihara, A. Shen, R. Sharoff, D. Ramzy, J. Kobashigawa and J. Moriguchi. Desensitization in Mechanical Circulatory Support Patients Awaiting Heart Transplantation: What is the Post-Transplant Outcome? *The Journal of Heart and Lung Transplantation*, Vol 39, No 4S, April 2020.
  29. A. Akhmerov, **R.M. Cole**, D. Megna, D. Emerson, L. Czer, F. Esmailian, J. Kobashigawa, D. Ramzy, J. Chikwe and J. Moriguchi. Impact of Bleeding Complications on Outcomes Following Total Artificial Heart Implantation. *The Journal of Heart and Lung Transplantation*, Vol 39, No 4S, April 2020.
  30. A. Aiken, J. Patel, E. Kransdorf, A. Shen, K. Nishihara, A. Velleca, **R. Cole**, M. Hamilton, L. Czer, D. Megna, X. Zhang and J. Kobashigawa. Donor Specific Antibodies after Heart Transplantation: Can They Be Treated? *The Journal of Heart and Lung Transplantation*, Vol 39, No 4S, April 2020.
  31. D. Ramzy, F. Esmailian, D. Emerson, D. Megna, R. Levine, **R. Cole**, E. Passano, C. Runyan, A. Velleca, J. Kobashigawa, and J. Moriguchi. The New UNOS Heart Allocation Changes Significantly Changed the Landscape of Heart Transplantation. *The Journal of Heart and Lung Transplantation*, Vol 39, No 4S, April 2020.
  32. D. Ramzy, F. Esmailian, D. Emerson, D. Megna, R. Levine, S. Mersola, **R. Cole**, E. Passano, C. Runyan, A. Velleca, J. Kobashigawa, and J. Moriguchi. Has the New Heart Transplant Donor Allocation Policy Affected Immediate Post-Transplant Care and Outcomes? A Single Center Perspective. *The Journal of Heart and Lung Transplantation*, Vol 39, No 4S, April 2020.
  33. Youn J, **Cole R**, Ramzy D, Kim E, Kobashigawa J, Moriguchi J. Three-Year Post-Transplant Outcome of Desensitized Mechanical Circulatory Support Patients Awaiting Heart Transplantation. *Am J Transplant*. 2020; 20 (suppl 3).
  34. Chung JS, Emerson D, Ramzy D, Akhmerov A, Megna D, Esmailian F, Kobashigawa J, **Cole RM**, Moriguchi J, Trento A. A New Paradigm in Mechanical Circulatory Support: 100-Patient Experience. *Ann Thorac Surg*. 2020 May;109(5):1370-1377
  35. Zadikany RH, **Cole RM**, Chang DH, Patel JK, Geft DR, Czer L, Esmailian F, Ramzy D, Moriguchi JD, Kobashigawa JA, Kittleson MM. Total Artificial Heart as Bridge to Cardiac Retransplantation. *ASAIO J*. 2020 Jun 29;10.1097/MAT.0000000000001217.
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