

Curriculum Vitae

Name: Eun-Seok Jeon, M.D., Ph.D.

Work : Division of Cardiology
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Academic Career

- 1979 Premedical course, College of Liberal arts and Science, Seoul National University, Republic of Korea
- 1983 M.D., College of Medicine, Seoul National University
- 1990 Master of Medical Science, College of Medicine, Seoul National University
- 1993 Ph.D. of Medical Science, College of Medicine, Seoul National University

Professional Training and Appointment:

- Mar. 1983 – Feb. 1984 Intern, Seoul National University Hospital
- Mar. 1984 – Feb. 1987 Resident, Internal Medicine,
Seoul National University Hospital
- Mar. 1987 – Jan. 1988 Clinical Fellow in Cardiology, Internal Medicine,
Seoul National University Hospital
- Jan. 1988 – Mar. 1990 Instructor, Internal Medicine, College of Medicine, Chungnam
National University
- Apr. 1990 – Mar. 1994 Assistant Professor, Internal Medicine,
Chungnam National University
- Apr. 1994 – Mar. 1999 Associate Professor, Internal Medicine,
Chungnam National University
- Apr. 1994 – Jul. 1996 PostDoctoral Fellow, Cardiology Division,
Medical Center, College of Medicine,
University of California, San Diego, CA, USA
- Apr. 1999 – Jan. 2001 Professor, Internal Medicine,
Chungnam National University
- Feb. 2001 – Feb. 2002 Professor, Internal Medicine,
College of Medicine, Soonchunhyang University
- Mar. 2002 – now Professor, Internal Medicine, Division of Cardiology
Sungkyunkwan University School of Medicine
Samsung Medical Center

License: Medical Doctor (25111) in 1983
Specialist in Cardiology (2377) in 1999

Research and Clinical Activities:

- 1) Pathogenesis of viral myocarditis
- 2) Cardiotropic gene transfer vector using Coxsackievirus
- 3) Heart failure
- 4) Heart transplantation
- 5) Ventricular assist device
- 6) Amyloidosis

Multicenter Clinical Trials

- Sep.2019 ~ ongoing : Phase III study / Sub-I : to evaluate efficacy and safety of FAP(patisiran) (**HELIOS-A**)
- Jan.2018 ~ ongoing: Phase III study/multicenter/Sub-I: to evaluate efficacy and safety of Heart Failure Drug. (**VICTORIA**)
- Jul.2017 ~ ongoing: Phase III study/multicenter/PI: to evaluate efficacy and safety of combination drug (hypertension and dyslipidemia drug) (**FIRST**)
- Jun.2017 ~ ongoing: Phase III study/multicenter/PI: to evaluate efficacy and safety of Hypertension new drug (**FITNESS**)
- Jun.2015 ~ ongoing: TRANSTHYRETIN-ASSOCIATED AMYLOIDOSIS OUTCOMES SURVEY(**THAOS**) / PI: A GLOBAL, MULTI-CENTER, LONGITUDINAL, OBSERVATIONAL SURVEY OF PATIENTS WITH DOCUMENTED TRANSTHYRETIN (TTR) MUTATIONS OR WILD-TYPE TTR AMYLOIDOSIS
- Mar.2015 ~ ongoing: Phase III study/multicenter/PI: to evaluate efficacy and safety of Worsening Heart Failure drug (**PARAGON**)
- Jul.2014 ~ Aug.2017: Phase III study/multicenter/PI: to evaluate efficacy and safety of Acute Heart Failure drug (**RELAX**)
- Dec.2013 ~ ongoing: Phase III study/multicenter/Sub-I: to evaluate efficacy and safety of FAP(**APOLLO**)
- Jan.2013 ~ Aug.2017: Phase IV study/multicenter/PI: to evaluate efficacy and safety of Chronic Heart Failure drug (**AQATIC**)
- Mar.2009 ~ Oct.2016: Phase III study/multicenter/PI: to evaluate efficacy and safety of Chronic Heart Failure new drug (**ATMOSPHERE**)

Publications in Journals (SCI) (~2022/01/19)

1. Hong JA, Lee SE, Kim SO, Kim MS, Lee HY, Cho HJ, Choi JO, Jeon ES, Hwang KK, Chae SC, Baek SH, Kang SM, Choi DJ, Yoo BS, Kim KH, Cho MC, Oh BH, Kim JJ. Determinants of left ventricular function improvement for cardiac resynchronization therapy candidates. *ESC Heart Fail.* 2021 Dec 29.
2. Kim D, Choi JO, Kim K, Kim SJ, Kim JS, Jeon ES. Clinical and prognostic implications of capillary density in patients with cardiac light chain amyloidosis. *ESC Heart Fail.* 2021 Dec;8(6):5594-5599.
3. Lee JM, Choi KH, Choi JO, Shin D, Park Y, Kim J, Lee SH, Kim D, Yang JH, Cho YH, Sung K, Choi JY, Park M, Kim JS, Park TK, Song YB, Hahn JY, Choi SH, Gwon HC, Oh JK, Jeon ES. Coronary Microcirculatory Dysfunction and Acute Cellular Rejection After Heart Transplantation. *Circulation.* 2021 Nov2;144(18):1459-1472.
4. Lee S, Ju S, Kim SJ, Choi JO, Kim K, Kim D, Jeon ES, Lee C. tipNrich: A Tip-Based N-Terminal Proteome Enrichment Method. *Anal Chem.* 2021 Oct 26;93(42):14088-14098.
5. Kim D, Park Y, Choi KH, Park TK, Lee JM, Cho YH, Choi JO, Jeon ES, Yang JH. Prognostic Implication of RV Coupling to Pulmonary Circulation for Successful Weaning From Extracorporeal Membrane Oxygenation. *JACC Cardiovasc Imaging.* 2021 Aug;14(8):1523-1531.
6. Park JJ, Lee HY, Kim KH, Yoo BS, Kang SM, Baek SH, Jeon ES, Kim JJ, Cho MC, Chae SC, Oh BH, Choi DJ. Heart failure and atrial fibrillation: tachycardia-mediated acute decompensation. *ESC Heart Fail.* 2021 Aug;8(4):2816-2825.
7. Choi KJ, Son KY, Kang SW, Kim D, Choi JO, Kim HJ, Kim JS, Jeon ES, Kim AY, Kang MC, Kim SJ. OCULAR MANIFESTATIONS OF ASP38ALA AND THR59LYS FAMILIAL TRANSTHYRETIN AMYLOIDOSIS. *Retina.* 2021 Aug 30. Epub ahead of print. PMID: 34483316.
8. Kim D, Park Y, Choi KH, Park TK, Lee JM, Cho YH, Choi JO, Jeon ES, Yang JH. Prognostic Implication of RV Coupling to Pulmonary Circulation for Successful Weaning From Extracorporeal Membrane Oxygenation. *JACC Cardiovasc Imaging.* 2021 Aug;14(8):1523-1531.
9. Kim D, Choi JO, Cho YH, Sung K, Oh J, Cho HJ, Jung SH, Lee HY, Park JJ, Choi DJ, Kang SM, Kim JJ, Jeon ES. Impact of preoperative renal replacement therapy on the clinical outcome of heart transplant patients. *Sci Rep.* 2021 Jun28;11(1):13398.
10. Kim D, Choi JO, Kim K, Kim SJ, Kim JS, Jeon ES. Association of Left Ventricular Global Longitudinal Strain With Cardiac Amyloid Load in Light Chain Amyloidosis. *JACC Cardiovasc Imaging.* 2021 Jun;14(6):1283-1285.
11. Kim D, Jang WJ, Park TK, Cho YH, Choi JO, Jeon ES, Yang JH. Echocardiographic Predictors of Successful Extracorporeal Membrane Oxygenation Weaning After Refractory Cardiogenic Shock. *J Am Soc Echocardiogr.* 2021 Apr;34(4):414-422.
12. Park JH, Shin HH, Rhyu HS, Kim SH, Jeon ES, Lim BK. Vascular Endothelial Integrity Affects the Severity of Enterovirus-Mediated Cardiomyopathy. *Int J Mol Sci.* 2021 Mar 17;22(6):3053.
13. Adams D, Polydefkis M, González-Duarte A, Wixner J, Kristen AV, Schmidt HH, Berk JL, Losada López IA, Dispenzieri A, Quan D, Conceição IM, Slama MS, Gillmore JD, Kyriakides T, Ajroud-Driss S, Waddington-Cruz M,

- Mezei MM, Planté-Bordeneuve V, Attarian S, Mauricio E, Brannagan TH 3rd, Ueda M, Aldinc E, Wang JJ, White MT, Vest J, Berber E, Sweetser MT, Coelho T; patisiran Global OLE study group. Long-term safety and efficacy of patisiran for hereditary transthyretin-mediated amyloidosis with polyneuropathy: 12-month results of an open-label extension study. *Lancet Neurol.* 2021 Jan;20(1):49-59.
14. Lee JH, Park I, Lee H, Sung K, Lee YT, Kim D, Yang JH, Choi JO, Jeon ES, Cho YH. Use of durable left ventricular assist devices for high-risk patients: Korean experience before insurance coverage. *J Thorac Dis.* 2020 Dec;12(12):7236-7244.
 15. Jung HN, Kim SM, Lee JH, Kim Y, Lee SC, **Jeon ES**, Yong HS, Choe YH. Comparison of tissue tracking assessment by cardiovascular magnetic resonance for cardiac amyloidosis and hypertrophic cardiomyopathy. *Acta Radiol.* 2020 Jul;61(7):885-893.
 16. Hong D, Choi KH, Cho YH, Cho SH, Park SJ, Kim D, Park TK, Lee JM, Song YB, Choi JO, Hahn JY, Choi SH, Choi JH, Sung K, Gwon HC, **Jeon ES**, Yang JH. Multidisciplinary team approach in acute myocardial infarction patients undergoing veno-arterial extracorporeal membrane oxygenation. *Ann Intensive Care.* 2020 Jun 16;10(1):83.
 17. Kim HY, Park JE, Lee SC, **Jeon ES**, On YK, Kim SM, Choe YH, Ki CS, Kim JW, Kim KH. Genotype-Related Clinical Characteristics and Myocardial Fibrosis and their Association with Prognosis in Hypertrophic Cardiomyopathy. *J Clin Med.* 2020 Jun 1;9(6):1671
 18. Yun SH, Shin HH, Ju ES, Lee YJ, Lim BK, **Jeon ES**. Inhibition of RNA Helicase Activity Prevents Coxsackievirus B3-Induced Myocarditis in Human iPS Cardiomyocytes. *Int J Mol Sci.* 2020 Apr 25;21(9):3041.
 19. Choi KH, Lee JM, Kim SR, Kim D, Choi JO, Kim SJ, Kim K, Kim JS, Koo BK, **Jeon ES**. Prognostic Value of the Index of Microcirculatory Resistance Over Serum Biomarkers in Cardiac Amyloidosis. *J Am Coll Cardiol.* 2020 Feb 11;75(5):560-561
 20. Lee J, Kim K, Choi JO, Kim SJ, **Jeon ES**, Choi JY. 99mTc-DPD scintigraphy and SPECT/CT in patients with AL and ATTR type amyloidosis: Potential clinical implications. *Medicine (Baltimore).* 2020 Jan;99(4):e18905
 21. Lee SE, Lee HY, Cho HJ, Choe WS, Kim H, Choi JO, **Jeon ES**, Kim MS, Hwang KK, Chae SC, Baek SH, Kang SM, Choi DJ, Yoo BS, Kim KH, Cho MC, Kim JJ, Oh BH. Coronary artery bypass graft versus percutaneous coronary intervention in acute heart failure. *Heart.* 2020 Jan;106(1):50-57

Described by Eun-Seok Jeon MD, PhD