Curriculum Vitae

Personal Information:

Name: Iksung Cho, MD.

Academic Qualification:

Degree		Year of passing
Master's degree	College of Medicine, Chung Ang Univiersity, Seoul, Korea	2010
M.D.	College of Medicine, Chung Ang University, Seoul, Korea	2005
PhD.	College of Medicine, Yonsei Univiersity, Seoul, Korea	2021

Career

Start Date & End Dates	Title	Institution
2020.3-	Clinical Associate Professor	Yonsei University Severance Hospital, Seoul, Korea
2018.3-2020.2	Assistant Professor	Chung-Ang University Hospital, Seoul, Korea Chung-Ang University
2016.3-2018.2	Clinical Assistant Professor	Chung-Ang University Hospital, Seoul, Korea
2015.3-2016.2	Clinical & Research Assistant Professor	Yonsei University Severance Hospital, Seoul, Korea
2014.3 – 2015.2	Visiting Fellow	NewYork Presbyterian Hospital, Weill Cornell Medical College, New York
2013.5 - 2014.2	Clinical Fellow, Cardiology	Yonsei University Severance Hospital, Seoul, Korea
2010.3.- 2013.4	Captain, Medical Officer	Republic of Korea Air Force
2006.2.-2010.2.	Resident, Internal Medicine	Seoul National University Hospital, Seoul, Korea
2005.2.-2006.2.	Rotating Internship	Seoul National University Hospital, Seoul, Korea

Honor and Awards

- The Yuhan Prize for Medicine, the 52th., 2019
- Young Investigator Award, 1st prize, Korean Society of Cardiology 2013

Publications

(1) First Author/ Co-first Author/Corresponding Author

1. Skowronski J, **Cho I (cofirst)**, Mintz GS, Wolny R, Opolski MP, Cha MJ, Lee WS, Michalowska I, Kepka C, Kruk M, Tyczynski P, Kalinczuk L, Kukula K, Ciszewski M, Banasiak A, Chmielak Z, Witkowski A, Kim S-W and Pregowski J. Inter-ethnic differences in normal coronary anatomy between Caucasian (Polish) and Asian (Korean) populations. *Eur J Radiol.* 2020;130:109185.

2. **Cho I,** Al'Aref SJ, Berger A, B OH, Gransar H, Valenti V, Lin FY, Achenbach S, Berman DS, Budoff MJ, Callister TQ, Al-Mallah MH, Cademartiri F, Chinnaiyan K, Chow BJW, DeLago A, Villines TC, Hadamitzky M, Hausleiter J, Leipsic J, Shaw LJ, Kaufmann PA, Feuchtner G, Kim YJ, Maffei E, Raff G, Pontone G, Andreini D, Marques H, Rubinshtein R, Chang HJ and Min JK. Prognostic value of coronary computed tomographic angiography findings in asymptomatic individuals: a 6-year follow-up from the prospective multicentre international CONFIRM study. *Eur Heart J.* 2018;39:934-941. (SCI: IF: 23.425)

3. **Cho I**, B OH, Gransar H, Valenti V, Lin FY, Achenbach S, Berman DS, Budoff MJ, Callister TQ, Al-Mallah MH, Cademartiri F, Chinnaiyan K, Chow BJW, Dunning AM, DeLago A, Villines TC, Hadamitzky M, Hausleiter J, Leipsic J, Shaw LJ, Kaufmann PA, Cury RC, Feuchtner G, Kim YJ, Maffei E, Raff G, Pontone G, Andreini D, Chang HJ and Min JK. Prognostic implications of coronary artery calcium in the absence of coronary artery luminal narrowing. Atherosclerosis. 2017;262:185-190 (SCI, IF:3.994)

4. **Cho I,** Chang HJ, O Hartaigh B, Shin S, Sung JM, Lin FY, Achenbach S, Heo R, Berman DS, Budoff MJ, Callister TQ, Al-Mallah MH, Cademartiri F, Chinnaiyan K, Chow BJW, Dunning AM, DeLago A, Villines TC, Hadamitzky M, Hausleiter J, Leipsic J, Shaw LJ, Kaufmann PA, Cury RC, Feuchtner G, Kim YJ, Maffei E, Raff G, Pontone G, Andreini D and Min JK. Incremental prognostic utility of coronary CT angiography for asymptomatic patients based upon extent and severity of coronary artery calcium: results from the COronary CT Angiography EvaluatioN For Clinical Outcomes InteRnational Multicenter (CONFIRM) Study. *Eur Heart J* 2015;36:501-8 (SCI: IF: 23.425)

5. **Cho I**, Elmore K, B OH, Schulman-Marcus J, Granser H, Valenti V, Xiong G, Carrascosa PM and Min JK. Heart-rate dependent improvement in image quality and diagnostic accuracy of coronary computed tomographic angiography by novel intracycle motion correction algorithm. *Clin Imaging.* 2015;39:421-6. (SCI, IF: 1.014)

6. Shin DG, **Cho I** (co-first), Hartaigh BO, Mun HS, Lee HY, Hwang ES, Park JK, Uhm JS, Pak HN, Lee MH and Joung B. Cardiovascular Events of Electrical Cardioversion Under Optimal Anticoagulation in Atrial Fibrillation: The Multicenter Analysis. *Yonsei medical journal.* 2015;56:1552-8. (SCI, IF: 1.287)

7. Jang Y, **Cho I** (co-first), Hartaigh BW, Park SI, Hong Y, Shin S, Ha S, Jeon B, Jung H, Shim H, Min JK, Chang HJ, Jang Y and Chung N. Viability assessment after conventional coronary angiography using a novel cardiovascular interventional therapeutic CT system: Comparison with gross morphology in a subacute infarct swine model. *Journal of cardiovascular computed tomography*. 2015;9:321-8. (SCI, IF: 2.289)

8. **Cho I** (co-first), Shim J, Chang HJ, Sung JM, Hong Y, Shim H, Kim YJ, Choi BW, Min JK, Kim JY, Shim CY, Hong GR and Chung N. Prognostic value of multidetector coronary computed tomography angiography in relation to exercise electrocardiogram in patients with suspected coronary artery disease. *J Am Coll Cardiol*. 2012;60:2205-15. (SCI, IF: 16.503)

9. **Cho I**, Chang HJ, Sung JM, Pencina MJ, Lin FY, Dunning AM, Achenbach S, Al-Mallah M, Berman DS, Budoff MJ, Callister TQ, Chow BJ, Delago A, Hadamitzky M, Hausleiter J, Maffei E, Cademartiri F, Kaufmann P, Shaw LJ, Raff GL, Chinnaiyan KM, Villines TC, Cheng V, Nasir K, Gomez M, Min JK. Coronary computed tomographic angiography and risk of all-cause mortality and nonfatal myocardial infarction in subjects without chest pain syndrome from the confirm registry (coronary ct angiography evaluation for clinical outcomes: An international multicenter registry). *Circulation*. 2012;126:304-313 (SCI, IF: 15.073)

10. **Cho I,** Min H-S, Chun EJ, Park SK, Choi Y, Blumenthal RS, Rivera JJ, Nasir K, Kim Y-J, Sohn D-W, Oh B-H, Park Y-B, Chang H-J. Coronary atherosclerosis detected by coronary ct angiography in asymptomatic subjects with early chronic kidney disease. *Atherosclerosis*. 2010;208:406-411 (SCI, IF:3.994)

11. **Cho I**, Suh JW, Chang HJ, Kim KI, Jeon EJ, Choi SI, Cho YS, Youn TJ, Chae IH, Kim CH and Choi DJ. Prevalence and prognostic implication of non-calcified plaque in asymptomatic population with coronary artery calcium score of zero. *Korean Circ J*. 2013;43:154-60. (SCIE, IF:0. 753)

(2) Coauthor

1. Shim CY, Seo J, **Cho I**, Lee CJ, Cho IJ, Lhagvasuren P, Kang SM, Ha JW, Han G, Jang Y and Hong GR. Randomized, Controlled Trial to Evaluate the Effect of Dapagliflozin on Left Ventricular Diastolic Function in Patients With Type 2 Diabetes Mellitus: The IDDIA Trial. *Circulation*. 2020.
2. Jeong H, Song S, Seo J, **Cho I,** Hong G-R, Ha J-W and Shim CY. Characteristics and prognostic implications of tricuspid regurgitation in patients with arrhythmogenic cardiomyopathy. *ESC Heart Fail*. 2020;7:2933-2940.
3. Al'Aref SJ, Singh G, **Choi J**W, Xu Z, Maliakal G, van Rosendael AR, Lee BC, Fatima Z, Andreini D, Bax JJ, Cademartiri F, Chinnaiyan K, Chow BJW, Conte E, Cury RC, Feuchtner G, Hadamitzky M, Kim Y-J, Lee S-E, Leipsic JA, Maffei E, Marques H, Plank F, Pontone G, Raff GL, Villines TC, Weirich HG, Cho I, Danad I, Han D, Heo R, Lee JH, Rizvi A, Stuijfzand WJ, Gransar H, Lu Y, Sung JM, Park H-B, Berman DS, Budoff MJ,

Samady H, Stone PH, Virmani R, Narula J, Chang H-J, Lin FY, Baskaran L, Shaw LJ and Min JK. A Boosted Ensemble Algorithm for Determination of Plaque Stability in High-Risk Patients on Coronary CTA. *JACC: Cardiovascular Imaging*. 2020;13:2162-2173.

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6. Conte E, Dwivedi A, Mushtaq S, Pontone G, Lin FY, Hollenberg EJ, Lee S-E, Bax J, Cademartiri F, Chinnaiyan K, Chow BJW, Cury RC, Feuchtner G, Hadamitzky M, Kim Y-J, Baggiano A, Leipsic J, Maffei E, Marques H, Plank F, Raff GL, van Rosendael AR, Villines TC, Weirich HG, Al'Aref SJ, Baskaran L, **Cho I**, Danad I, Han D, Heo R, Lee JH, Stuijfzand WJ, Gransar H, Lu Y, Sung JM, Park H-B, Al-Mallah MH, de Araújo Gonçalves P, Berman DS, Budoff MJ, Samady H, Shaw LJ, Stone PH, Virmani R, Narula J, Min JK, Chang H-J and Andreini D. Age- and sex-related features of atherosclerosis from coronary computed tomography angiography in patients prior to acute coronary syndrome: results from the ICONIC study. *European Heart Journal - Cardiovascular Imaging*. 2020.

7. Goyal M, Kim SW, Mishra S, Sharmin S, Won H, **Cho I**, Jung MK, Shin SY, Lee KJ, Kim TH, Kim CJ and Lee WS. Morphological characteristics of optical coherence tomography defined plaque fissure in patients with acute coronary syndrome. *Heart Vessels*. 2019;34:427-434.

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11. Danad I, **Cho I**, Elmore K, Schulman-Marcus J, B OH, Stuijfzand WJ, Carrascosa P and Min JK. Comparative diagnostic accuracy of dual-energy CT myocardial perfusion imaging by monochromatic energy versus material decomposition methods. *Clin Imaging*. 2018;50:1-4. (SCI, IF: 1.014)

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13. Valenti V, Hartaigh BO, **Cho I**, Schulman-Marcus J, Gransar H, Heo R, Truong QA, Shaw LJ, Knapper J, Kelkar AA, Sciarretta S, Chang HJ, Callister TQ and Min JK. Absence of Coronary Artery Calcium Identifies Asymptomatic Diabetic Individuals at Low Near-Term But Not Long-Term Risk of Mortality: A 1¹5-Year Follow-Up Study of 9715 Patients. *Circulation Cardiovascular imaging*. 2016;9:e003528. (SCI, IF: 5.316)

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15. Kim B-K, **Cho I**, Hong M-K, Chang H-J, Shin D-H, Kim J-S, Shin S, Ko Y-G, Choi D and Jang Y. Usefulness of Intraprocedural Coronary Computed Tomographic Angiography during Intervention for Chronic Total Coronary Occlusion. *The American journal of cardiology*. 2016. (SCI, IF: 3.276)

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17. Jang Y, Jung HY, Hong Y, **Cho I**, Shim H and Chang H-J. Geodesic Distance Algorithm for Extracting the Ascending Aorta from 3D CT Images. *Computational and Mathematical Methods in Medicine*. 2016;2016:1-7. (SCI, IF: 0.766)

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19. Lee SY, Shim CY, Hong GR, Seo J, **Cho I**, Cho IJ, Chang HJ, Ha JW and Chung N. Association of Aortic Phenotypes and Mechanical Function With Left Ventricular Diastolic Function in Subjects With Normally Functioning Bicuspid Aortic Valves and Comparison to Subjects With Tricuspid Aortic Valves. The American journal of cardiology. 2015;116:1547-54. (SCI, IF: 3.276)

20. Kim BK, Sumitsuji S, **Cho I**, Hong MK, Kim JS, Chang HJ and Jang Y. Role of intraprocedural coronary computed tomographic angiography in percutaneous coronary intervention of chronic total occlusion. *EuroIntervention.* 2015;11. (SCI, IF:3.769)

21. Xiong G, Kola D, Heo R, Elmore K, **Cho I**, and Min JK. Myocardial perfusion analysis in cardiac computed tomography angiographic images at rest. *Medical image analysis.* 2015;24:77-89 (SCI, IF:3.654)

22. Valenti V, B OH, Heo R, **Cho I**, Schulman-Marcus J, Gransar H, Truong QA, Shaw LJ, Knapper J, Kelkar AA, Sandesara P, Lin FY, Sciarretta S, Chang HJ, Callister TQ and Min JK. A 15-Year Warranty Period for Asymptomatic Individuals Without Coronary Artery Calcium: A Prospective Follow-Up of 9,715 Individuals. *JACC Cardiovascular imaging.* 2015;8:900-9. (SCI, IF: 7.188)

23. Valenti V, ó Hartaigh B, Heo R, Schulman-Marcus J, **Cho I**, Kalra DK, Truong QA, Giambrone AE, Gransar H, Callister TQ, Shaw LJ, Lin FY, Chang H-J, Sciarretta S and Min JK. Long-term prognosis for individuals with hypertension undergoing coronary artery calcium scoring. International journal of cardiology. 2015;187:534-540. (SCI, IF: 4.036)

24. Park H-B, Heo R, ó Hartaigh B, **Cho I**, Gransar H, Nakazato R, Leipsic J, Mancini GBJ, Koo B-K, Otake H, Budoff MJ, Berman DS, Erglis A, Chang H-J and Min JK. Atherosclerotic Plaque Characteristics by CT Angiography Identify Coronary Lesions That Cause Ischemia: A Direct Comparison to Fractional Flow Reserve. *JACC: Cardiovascular Imaging.* 2015;8:1-10. (SCI, IF: 7.188)

25. Shin S, Kim KJ, Chang HJ, **Cho I**, Kim YJ, Choi BW, Rhee Y, Lim SK, Yang WI, Shim CY, Ha JW, Jang Y, Chung N. Impact of serum calcium and phosphate on coronary atherosclerosis detected by cardiac computed tomography. *Eur Heart J. 2012;33:2873-81.* (SCI, IF: 15.203)

26. Yoon Y, Chang H-J, **Cho I**, Jeon K-H, Chun E-J, Choi S-i, Bae H-J, Rivera J, Nasir K, Blumenthal R, Lim T-H. Incidence of subclinical coronary atherosclerosis in patients with suspected embolic stroke using cardiac computed tomography. *The International Journal of Cardiovascular Imaging (formerly Cardiac Imaging).* 2011;27:1035-1044 (SCI, IF: 1.810)

27. McEvoy JW, Blaha MJ, Nasir K, Yoon YE, Choi E-K, **Cho I-S**, Chun E-J, Choi S-I, Rivera JJ, Blumenthal RS, Chang H-J. Impact of coronary computed tomographic angiography results on patient and physician behavior in a low-risk population. *Archives of Internal Medicine.* 2011;171:1260-1268 (SCI, IF: 17.333)

28. Lee D-W, Lee T-K, **Cho I-S**, Park HE, Jin S, Cho H-J, Kim SH, Oh S, Kim H-S. Creation of myocardial fibrosis by transplantation of fibroblasts primed with survival factors. *American Journal of Physiology - Heart and Circulatory Physiology.* 2011;301:H1004-H1014 (SCI, IF: 3.838)

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30. Rivera JJ, Nasir K, Cox PR, Choi E-K, Yoon Y, **Cho I,** Chun E-J, Choi S-I, Blumenthal RS, Chang H-J. Association of traditional cardiovascular risk factors with coronary plaque sub-types assessed by 64-slice computed tomography angiography in a large cohort of asymptomatic subjects. *Atherosclerosis.* 2009;206:451-457 (SCI, IF:3.994)