

## CURRICULUM VITAE

Name: Jong-Won Ha  
Nationality: Republic of Korea ( R.O.K )

### Education and Training

#### Graduate:

1982-1988 M.D. Yonsei university, Seoul, Korea  
1990-1992 Degree of Master, Yonsei University, Seoul, Korea  
1994-1997 Ph.D. Yonsei University, Seoul, Korea

### Postdoctoral Training

#### Internship and Residencies:

March.1988-Feb.1989 Internship in Internal Medicine, Yonsei University College of Medicine  
March.1989-Feb.1991 Resident in Internal Medicine, Yonsei University College of Medicine  
March.1991-Feb.1992 Chief Resident in Cardiology Division, Yonsei University College of Medicine

#### Clinical Fellowships:

March.1992-Feb.1995 Fellow in Cardiology, Yonsei University College of Medicine  
June. 2000-Dece.2003 Senior Research Fellow, Mayo Clinic, Rochester, MN

### Licensure and Certification

1988 Diplomate, Licensure in Medicine (Korea License No.36807)  
1992 Diplomate, Korean Board of Internal Medicine (No.3760)  
1997 Diplomate, Korean Cardiovascular Subspecialty Board

### Academic Appointments

March,1992-Feb,1995 Clinical Fellow in Cardiology, Yonsei University College of Medicine, Seoul  
March.1995-Feb, 1997 Instructor in Medicine, Yonsei University College of Medicine, Seoul  
May, 1991- present Research associate in Cardiovascular Research Institute, Yonsei University College Of Medicine, Seoul  
March,1997-Feb, 2004 Assistant Professor in Medicine, Yonsei University College of Medicine, Seoul  
March 2004-Feb 2009 Associate professor in Medicine, Yonsei University College of Medicine, Seoul  
March 2009 -present Professor in Medicine, Yonsei University College of Medicine, Seoul

### Non-academic Appointments

Mar,1995 - present Staff cardiologist in Cardiovascular Center, Yonsei University College of Medicine  
Apr,1996 - Feb,1997 Staff cardiologist in Wonju Christian Hospital, Yonsei University Wonju College of Medicine

Mar.2003- Feb.2005	Director, Coronary Care Unit - Yonsei Cardiovascular Hospital, Yonsei University Medical Center, Seoul, Korea
Sep.2007- Oct.2010	Director, Echocardiography laboratory - Yonsei Cardiovascular Hospital, Yonsei University Medical Center, Seoul, Korea
Mar.2007- Feb.2017	Assistant Administrator, Committee pharmacist, Yonsei University Medical Center, Seoul, Korea
Mar.2017 - present	Chairperson , Committee pharmacist, Yonsei University Medical Center, Seoul, Korea
Dec.2010- Sep.2014	Associate Director, Office of Fundraising Affairs - Yonsei University Health System
Mar.2012– 2017	The secretary-general, Love Sharing - Yonsei Cardiovascular Hospital Medical Center. Yonsei University
Sep.2018- present	Director, Division of External Affairs and Development.
Jun. 2020- present	Vice chairman, Yonsei University Alumni Association.
Aug.2020- present	General Director, Severance Hospital

### Awards and Honors

1997	Honorable mention, Yong Investigators' Award, Korean Society of Circulation
1999	First prize, Most distinguished scientific paper competition, Korean Society of Circulation
2000	Awardee, Woohyun Prize, Yonsei University College of Medicine
2000	Awardee, Groom's scholarship. Mayo foundation
2001	Awardee, Postdoctoral fellowship grant, American Heart Association
2004	First prize, Most distinguished scientific researcher, Yonsei University College of Medicine
2006	Most distinguished scientific researcher, Yonsei University
2008	First prize, Most distinguished scientific paper competition, Korean Society of Echocardiography
2009	Awardee, Bowon Prize, Yonsei University College of Medicine
2009	First prize, Most distinguished scientific researcher, Department of Internal Medicine, Yonsei University College of Medicine
2009	Most distinguished scientific researcher, Yonsei University
2012	Most frequent award, Yonsei University College of Medicine
2017	Yonsei University's alumni association. Achievement Award

### Membership in Professional and Scientific Societies

1990	Korean Society of Internal Medicine
1993	Korean Society of Echocardiography
1994	Korean Society of Circulation
1995	American Society of Echocardiography
1996	Korean Society of Atherosclerosis
2010	Fellow of the European Society of Cardiology

### Committee Assignments

1997 – 2000	Editor, Home Page Editing Committee, The Korean Society of Circulation
1998 – 2004	Editorial Board Member, The Korean Circulation Journal
1999 – 2004	Member, Institutional Review Board, Yonsei University Medical Center
1999 – 2000	Chairman, Home Page Editing Committee, Yonsei Cardiovascular Center, Yonsei University College of Medicine
1999 – 2000	Editor, Home Page Editing Committee, Yonsei University Medical Center

1999 – Reviewer , Am J Cardiol, Circulation, J Am Soc Echocardiogr, Am Heart J, Heart, European Heart Journal, European Journal of Echocardiography, International Journal of Cardiology

1999 – Member , Scientific Committee, Korean Society of Echocardiography

2004. –2006.3 Editor-in-Chief, Journal of the Korean Society of Echocardiography

2006. - 2009 Editorial Board, Journal of Korean Medical Science

2006. - 2011 Editor-in-Chief, Journal of Cardiovascular Ultrasound

2007. - 2012 Editorial Board, Yonsei Medical Journal

2007. –present Editorial board, Heart

2008. –present Editorial board, Cardiovascular Ultrasound

2009. – Editorial board, Clinical Science

2009. -2010 Medical Information Director, The Korean Society of Hypertension

2010. –2013 Director, Korean Society of Echocardiography

2013. –2016 Publishing director, The Korean Society of Hypertension.

2013. –present Editorial board, Pulse

2014.- present Special Affairs, Korean Society of Echocardiography

2014. -2016 Director of the Examination Board, The Korea Association of Internal Medicine (KAIM)

2015 – 2017 vice-president, Korean Vascular Research Working Group.

2017.- present Chairman, Korean Vascular Research Working Group.

2015 – 2019.02 Auditor, Current Status of multimodal imaging in cardiovascular disease.

2016 – 2019.02 vice-president, Korean Society of Cardiometabolic Syndrome.

2017 - present Editor-in-Chief, Journal of American College of Cardiology: Cardiovascular Imaging.

2018 - present Editorial Board, European Heart Journal:Cardiovascular Imaging

2018 – present Senior Advising Editors, Clinical Hypertension.

2020 - present Member, National Academy of Medicine of Korea.

### Invited Lecture (International)

2004. Feb. Echo Hawaii, USA.

2005. Feb. 3<sup>rd</sup> Annual Scientific Session of Taiwan Society of Echocardiography, Taipei, Taiwan.

2005 Apr. Echo Singapore 2005, Singapore.

2006. Mar. E3: Essential Echocardiography with Experts. American Society of Echocardiography, Atlanta, GA.

2006. Sep. The 54th Annual Scientific Session of Japanese College of Cardiology, Kagoshima, Japan

2006.Oct. 10<sup>th</sup> World Congress of Echocardiography and Cardiovascular Imaging; Echocardiographic evaluation of constrictive pericarditis. Rome, Italy

2008. Jan. 18<sup>th</sup> annual Echo Hawaii, USA.

2008. Mar. The 72nd Annual Scientific Meeting of the Japanese Circulation Society

2008. Jun. The annual scientific session of the American Society of Echocardiography, Toronto, Canada

2009. May. 17th Asian Pacific Congress of Cardiology. Kyoto. Japan.

2009. Jun. The annual scientific session of the American Society of Echocardiography, Washington DC, USA

2009. Aug. ESC congress 2009, Barcelona, Spain

2010. Jan. 20<sup>th</sup> annual Echo Hawaii, USA.

2010. Feb. International Congress of Cardiology, Hong Kong

2010. Feb. Asian Pacific Congress of Doppler Echocardiography, Hong Kong

2010. Mar. 59th Annual Scientific Session of the American College of Cardiology, “Meet-the-Expert” session,Atlanta, Georgia

2010. Jun. 21th Annual American Society of Echocardiography Scientific Sessions, San Francisco, USA

2010. Jul. Echo Kobe. Kobe, Japan.

2010. Sep. 23th International Society of Hypertension, Vancouver, Canada

2011. Jan. 19<sup>th</sup> annual Echo Hawaii, USA.

2011. Apr.	The 22nd Japanese Society of Echocardiography
2011. Jun.	22th Annual American Society of Echocardiography Scientific Sessions, Montreal, Canada
2011. Aug.	European Society of Cardiology congress, Paris, France.
2011. Sep.	Echo Kobe 2011. Kobe, Japan.
2011. Nov.	American Heart Association 2011. Olando, USA
2011. Aug.	European Society of Cardiology congress, Paris, France.
2012. Jan.	20th Annual Echo Hawaii, USA.
2012. Mar.	JCS APCDE, Japan
2012. Apr.	23JSE Osaka, Japan.
2012. Jul.	ASE 2012, Washinton DC, USA.
2013. Mar.	American College of Cardiology, San Francisco, USA
2013. May	Japanese Society of Ultrasound in Medicine,Osaka, Japan.
2013. Jun.	ASE 2013, Minneapolis, U.S.A
2013. Aug	ESC Congress 2013, Amsterdam, Netherlands.
2014. Jan.	Echo Hawaii 2014, Hawaii, USA.
2014. May.	World Congress of Cardiology 2014, Melbourne, Australia
2014. Jun.	ASE 2014, Portland, USA.
2014. Oct.	EuroEcho-Imaging 2014, Vienna, Austria
2014. Dec	EuroEcho-Imaging 2014, Vienna, Austria
2015. Jan.	Echo Hawaii 2015, Hawaii, USA.
2015. Jul.	Echo Kobe 2015, Osaka, Japan.
2015. Aug.	ESC congress 2015, London, United Kingdom.
2015. Dec.	EuroEcho-Imaging 2015, Barcelona, Spain.
2016. Jan.	Echo Hawaii 2016, Hawaii, USA
2016. Apr.	JSE 2016, Osaka, Japan.
2016. Jun.	ASE 2016, Washington, USA.
2016. Jul.	ESC congress 2016, Italy, Rome.
2017. Jan.	Echo Hawaii 2017, Hawaii, USA
2017. Apr.	JSE 2017, Nagoya, Japan.
2017. Jun.	ASE 2017, Baltimore, USA.
2017. Nov.	ISPOR 20th Annual European Congress, Glasgow, United Kingdom.
2017. Nov.	Echo Hong Kong, Hong Kong
2017. Dec.	EUROECHO-IMAGING 2017, Lisbon, Portugal
2018. Jan.	Echo Hawaii 2018, Hawaii, USA
2018. May.	APSC 2018, Taipei, Taiwan.
2018. Sep.	66th Annual Scientific Session of the Japanese College of Cardiology (JCC). Osaka, Japan.
2018. Nov.	3rd Sino-Korean Echo Symposium. Chengdu, China.
2018. Dec.	EuroEcho-Imaging 2018 Milan, Italy.
2019. Jan.	Echo Hawaii 2019, Hawaii, USA.
2019. Mar.	Echo New York, New York, USA.
2019. Jun.	ASE, Portland, USA.
2019. Dec.	Euroecho 2019, Vienna, Austria.
2021. Mar	JCS 2021(Japanese Circulation Society). <Online>

## Book Chapters

1. Echocardiographic evaluation of patients with chronic dyspnea. In Cardiovascular imaging. A handbook for clinical practice. Blackwell publishing. 2005.
2. Assessment of left ventricular filling pressure with stress. In Myocardial imaging: Tissue Doppler and Speckle Tracking. 2007
3. Dynamic Echocardiography: Diastolic Stress Test for the Evaluation of Exertional Dyspnea. 2010

4. KSE Textbook of Echocardiography 3. 2013.
5. KSE Textbook of Echocardiography 4. 2019.

#### **Peer-Reviewed Articles**

1. **JW Ha**, WH Shim, JH Yoon, NS Chung and WK Lee: Cardiovascular Findings of Hutchinson-Gilford Progeria Syndrome. Korea J Internal Medicine 41(4):512-577, 1991
2. DY Lee, JD Lee, SY Cho, WH Shim, **JW Ha**, HS Kim, HM Kwon, YS Jang, NS Chung, SS Kim, SY Park and YS Kim: Functional Significance of Angiographic Collaterals in Patients with Totally Occluded Right Coronary Artery: Intracoronary Thallium-201 Scintigraphy. Korean J of Nuclear Medicine 27(2):210-217, 1993
3. **JW Ha**, WH Shim, JH Yoon, YS Jang, NS Chung, SY Cho, SS Kim, WK Lee: Percutaneous mitral balloon valvuloplasty in patients with restenosis after surgical commissurotomy; A comparative study. Yonsei Medical J 34(3):243-247, 1993
4. **JW Ha**, WH Shim, NS Chung: Cardiovascular findings of Hutchinson-Gilford syndrome; A Doppler and two-dimensional Echocardiographic study. Yonsei Medical J 34(4):352-355, 1993
5. **Ha JW**, Cho SY, Jang YS, Chung NS, Shim WH, Kim SS, Lee WK: Functional significance of collateral circulation in patients with total coronary occlusion. Korean Circulation J 23:522, 1993
6. **Ha JW**, Shim WH, Yoon JH, Kim HS, Jang YS, Chung NS, Cho SY, Kim SS: Percutaneous mitral balloon valvuloplasty in patients with restenosis after surgical commissurotomy: A comparative study. Korean Circulation J 23:662, 1993
7. **JW Ha**, SY Cho, YS Jang, NS Chung, WH Shim and SS Kim: Functional Significance of Collateral Circulation in Patients with Total Coronary Occlusion. Asian Cardiovasc Thorac Ann 1(4):156-162, 1993
8. **JW Ha**, SW Lim, NS Chung, WH Shim, SY Cho, SS Kim: A Clinical Study on the Anti-Hypertensive Effect of Fosinopril in Mild to Moderate Hypertensive Patients. Korea Circulation J 24(1):175-181, 1994
9. **JW Ha**, SY Cho, WH Shim, SH Park, HS Kim, YS Jang, NS Chung and SS Kim: Early Clinical Experience with Flexible Coil(Gianturco-Roubin) Coronary Stent. Korea Circulation J 24(3):364-372, 1994
10. **JW Ha**, SW Lim, BS Kim, NS Chung, WH Shim, SY Cho and SS Kim: A Clinical Study on the Anti-Hypertensive Effect of Cicletanine in Mild to Moderate Hypertensive Patients. Korea Circulation J 24(3):507-515, 1994
11. **JW Ha**, WH Shim, YS Jang, J Kwon, HS Kim, SW Lim, NS Chung, SY Cho, SS Kim: Long-term Echocardiographic follow-up of percutaneous mitral balloon valvuloplasty in patients with restenosis after previous surgical commissurotomy. Korea Circulation J 24(4):601-607, 1994
12. **JW Ha**, J Kwon, NS Chung, WH shim, SY Cho, SS Kim, KH Kang, MS Kang: Quadricuspid aortic valve: Report of three cases and review of the literature. Korea Circulation J 24(5):732-737, 1994
13. SW Lim, J Kwon, **JW Ha**, HM Kwon, DS Kim, NS Chung, WH Shim, SWY Cho, SS Kim: Electrocardiographic Characteristics of Hypertrophic Cardiomyopathy: Echocardiographic and Electrocardiographic Study. J of the Korean Society of Echocardiography 2(2):199-208, 1994
14. **JW Ha**, SY Cho, YS Jang, NS Chung, WH Shim and SS Kim: Collateral Circulation in Total Occlusion of the Left Anterior Descending or Right Coronary Artery. Yonsei Medical Journal 35(2):132-141, 1994

15. WH Shim, **JW Ha**, SY Cho, SH Park, HS Jang, NS Chung, SS Kim: Initial clinical of intracoronary coil(Gianturco-Robin) Stents for management of acute dissection after balloon angioplasty. Yonsei Medical Journal 35(3):320-328, 1994
16. **JW Ha**, SY Cho, WH Shim, HS Kim, HM Kwon, NS Chung, SS Kim, KH Kang, YH Park, MS Kang, YW Kim: Cardiopulmonary support for high risk percutaneous transluminal coronary angioplasty. Korea Circulation J 25(1):85-91, 1995
17. Choi DH, **Ha JW**, Shim WH, Lee MH, Kwon J, Park SH, Jang YS: Peripheral vascular disease in patients with significant coronary artery disease. Korean Circulation Journal 25:477-82, 1995
18. **JW Ha**, SY Cho, HS Kim, DH Cha, YS Jang, NS Chung, WH Shim and SS Kim: Vascular Pathologic Findings after Flexible Coil(Gianturco-Robin) Coronary Stent Implantation-A Case Report. Korea Circulation J 25(2): 531-536, 1995
19. SW Lim, N Chung, **JW Ha**, J Kwan, DH Cha, MH Lee, HM Kwon, WH Shim, SY Cho, SS Kim and HS Kim: Morphological Characteristics of Hypertrophic Cardiomyopathy in Korean: Echocardiographic Study. The Korean Circulation Journal 25(3):568-580, 1995
20. WH Shim, MH Lee, J Kwon, **JW Ha**, HM Kwon, YS Jang: Deployment of balloon-expandable intraluminal stents in peripheral arterial disease. Korea Circulation J 25(3):622-628, 1995
21. **JW Ha**, NS Chung, J Kwan, MH Lee, YJ Lee, WH Shim, SY Cho and SS Kim: Efficacy of Amosulalol. HCI on Mild to Moderate Essential Hypertension. Korea Circulation J 25(3):676-683, 1995
22. SY Cho, WH Shim, **JW Ha**, SH Park, HS Kim, SW Lim, YS Jang, NS Chung, SS Kim: Intracoronary Stents For Management of Coronary Dissection after Balloon Angioplasty. Asian Cardiovascular & Thoracic Annals 3(2):53-57, 1995
23. **JW Ha**, NS Chung, SW Lim, J Kwan, MH Lee, YS Jang, YJ Lee, WH Shim, SY Cho and SS Kim: Doppler Echocardiographic Evaluation of Diastolic Function in Different Patterns of Ventricular Hypertrophy and Topography in Essential Hypertension. J The Korean Society of Echocardiography 3(2):168-178, 1995
24. KY Kim, NS Chung, SJ Rim, JH Kim, BK Hong, **JW Ha**, J Kwan, MH Lee, YJ Lee, WH Shim, SY Cho, SS Kim, DY Lee: The clinical presentation and course of intramural hematoma of aorta. Journal of The Korean Society of Echocardiography 3:188, 1995
25. WH Shim, **JW Ha**, SW Lim, J Kwon, MH Lee: Angiographic follow-up after intracoronary stenting with flexible coil(Gianturco-Robin) stent. Korea Circulation J 26(1):29-34, 1996
26. WH Shim, SJ Rim, SW Lim, J Kwon, **JW Ha**, MH Lee, NS Chung, SY Cho, SS Kim: Estimation of size of adult atrial septal defect. Korea Circulation J 26(3):631-636, 1996
27. **Ha JW**, Lee JD, Chung NS, Jang Y, Kim BS, Kwan J, Lee MH, Cha DH, Lee YJ, Shim WH, Cho SY, Kim SS: Iodine-123-metaiodobenzylguanidine myocardial scintigraphy in patients with dilated cardiomyopathy: Correlation between myocardial MIBG uptake and echocardiographic parameters. Korean Circulation Journal 26:651-5, 1996
28. YS Jang, SW Lee, JW Kim, **JW Ha**, NS Chung, WH Shim, SY Cho, HK Cho: Coronary less shortening wallstent in the long lesion of coronary disease: Immediate results. Korea Circulation J 26(5):948-955, 1996
29. SJ Rim, NS Chung, J Kwan, **JW Ha**, MH Lee, YS Jang, WH Shim, SY Cho, SS Kim: 4 case of midventricular obstructive hypertrophic obstructive cardiomyopathy. Korea Circulation J 26(6):1189-1197, 1996
30. BK Koo, MH Lee, YS Jang, **JW Ha**, CW Goh, WH Shim, SY Cho, KJ Yoo, MS Kang: Isolated left coronary ostial

stenosis in korea. Korea Circulation. J 26(6):1144-1151, 1996

31. **JW Ha**, NS Chung, SY Cho, WH Shim, MS Kang, YW Hong, SS Kim: Multiplane transesophageal echocardiographic description of a complete papillary muscle rupture during acute myocardial infarction. Asian Cardiovascular & Thoracic Annals 4(1):60-62, 1996

32. **JW Ha**, WH Shim, NS Chung, YS Jang, SW Lim, J Kwan, MH Lee, SY Cho, SS Kim: Restenosis after percutaneous balloon mitral valvuloplasty in patients with previous surgery. Asian Cardiovascular & Thoracic Annals 4(2):80-85, 1996

33. **JW Ha**, NS Chung, KH Choe, J Kwan, SJ Rim, JY Kim, EK Oh, JY Lee, WH Shim, SY Cho: Real-time determination of left ventricular ejection fraction by automatic boundary detection in patients with dilated cardiomyopathy: A comparison with radionuclide ventriculography. Yonsei Medical Journal 37(6):385-391, 1996

34. NS Chung, **JW Ha**, SJ Rim, YS Jang, SY Cho, JH Yoon: Effect of percutaneous transluminal coronary angioplasty on myocardial perfusion: Measurement with myocardial perfusion scintigraphy. Journal of The Korean Society of Echocardiography 4(2):220-227, 1996

35. SO Hwang, KS Park, KH Lee, JH Yoon, **JW Ha**: Three-year Follow-up of a Posttraumatic Right Coronary Aneurysm. J of Trauma 43(5):589-861, 1997

36. **JW Ha**: Assessment of left atrial function using instantaneous pressure-volume relations in mitral stenosis before and after percutaneous mitral balloon valvuloplasty. Department of Medicine The Graduate School, Yonsei University 371-389, 1997

37. SK Ahn, MH Lee, YS jang, DJ Oh, IS Choi, **JW Ha**, SJ Rim, BO Kim, NS Chung, WH Shim, SY Cho, SS Kim: Clinical and electrophysiologic characteristics of the patients with Wolff-Parkinson-White Syndrome. Korea Circulation J 27(9):848-859, 1997

38. DH Choi, YS Jang, BK Hong, NH Lee, TY Kim, **JW Ha**, SJ Rim, NS Chung, WH Shim: AVE micro-II stent: 6months up result. Korea Circulation J 27(12):1280-1288, 1997

39. **JW Ha**, HJ Lee, HY Kim, JH Yoon, KH Choe: Bilateral coronary arteriovenous fistula coexistent with atrial septal defect and pulmonary stenosis. Yonsei Medical Journal 38(3):190-192, 1997

40. KH Lee, I Sur, CM Nam, SS Kim, WH Shim, **JW Ha**, SI Kim, HG Kang: Four-year change and tracking of serum lipids in Korean adolescents. Korean J. of Preventive Medicine 30(1):45-59, 1997

41. I Suh, CM Nam, SH Jee, SI Kim, YO Kim, SS Kim, WH Shim, CB Kim, KH Lee, **JW Ha**, HG Kang, KW Oh: Changes in blood pressure and determinants of blood pressure level and change in Korean adolescents. Korean J. of Preventive Medicine 30(2):308-326, 1997

42. SJ Rim, NS Chung, NH Lee, CW Goh, **JW Ha**, JY Kim EK Oh, SK Ahn, TY Kim, MH Lee, YS Jang, WH Shim, SY Cho, SS Kim: Dobutamine Echocardiography in the Prediction of Left Ventricular Remodeling after Acute Myocardial Infarction. J of the Korean Society of Echocardiography 5(2):85-93, 1997

43. SJ Rim, BY Chung, **JW Ha**, JY Kim, EK Hwang, NS Chung, BC Chang: Reduction of Left Ventricular Hypertrophy after Aortic Valve Replacement for Isolated Aortic Valve Stenosis. J of the Korean Society of Echocardiography 5(2):122-131, 1997

44. NH Lee, NS Chung, **JW Ha**: Evaluation of Left Ventricular Diastolic Function by Color M-mode Doppler Echocardiography Using Baseline Shifted First Aliasing Limit Technique. J of the Korean Society of Echocardiography 5(2):132-141, 1997

45. KH Chang, **JW Ha**, NS Chung, SY Cho: Progression of Hypertrophic Cardiomyopathy to dilated cardiomyopathy: A case reports and review of the literatures. Yonsei Medical Journal 39(1):61-66, 1998
46. **JW Ha**, NS Chung, JH Yoon, YS Jang, BO Kim, SY Cho, BK Cho: Pulsed wave and color doppler echocardiography and cardiac catheterization findings in bilateral pulmonary vein stenosis. J Am Society of Echocardiography 393-396, 1998
47. **JW Ha**, JD Lee, YS Jang, NS Chung, J Kwan, SJ Rim, YJ Lee, WH Shim, SY Cho, SS Kim: Assessment of cardiac sympathetic neuronal integrity using Iodine-123 Metaiodobenzylguanidine myocardial scintigraphy and its clinical efficacy as a new noninvasive screening test for the diagnosis of coronary artery spasm. Korea Circulation J 28(2):183-193, 1998
48. **JW Ha**, NS Chung YS Jang, YR Yoon, SM Kang, YS Byun, SH Lee, SJ Rim, WH Shim, SY Cho, SS Kim, SH Cho: Assessment of Left Atrial Function Using Instantaneous Pressure-Volume Relations in Mirtal Stenosis before and after Percutaneous Mitral Balloon Valvuloplasty. Korea Circulation J 28(4):532-544, 1998
49. NS Chung, **JW Ha**, JH Yoon, BO Kim, YS Jang, SY Cho, BK Cho: Pulsed Wave and Color Doppler Echocardiography and Cardiac Catheterization Findings in Bilateral Pulmonary Vein Stenosis. Korea Circulation J 28(4):647-652, 1998
50. SM Kang, WH Chung, TY Kim, SK Ahn, **JW Ha**, SJ Rim, MH Lee, GY Park, YS Jang: The Inhibitory Effect of Triflusal(Disgren) on the Platelet Aggregation in Healthy Volunteers ; Impedance Method with the Whole Blood. Korean Circ J 28:707-714, 1998
51. **Jong-Won Ha**, Namsik Chung, Byung-Chul Chang, Yangsoo Jang, Won-Heum Shim, Seung-Yun Cho, Sung-Soon Kim: Acute Mitral Regurgitation Due to Leaflet Tear After Balloon Valvotomy. Circulation 1998 98: 2095-2097
52. **Jong-Won Ha**, Jong-Doo Lee, Yangsoo Jang, Namsik Chung, June Kwan, Se-Joong Rim, Young-Joon Lee, Won-Heum Shim, Seung-Yun Cho, Sung-Soon Kim.: Iodine-123-Metaiodobenzylguanidine Myocardial Scintigraphy As a Noninvasive Screen For the Diagnosis of Coronary Artery Spasm. J Nucl Cardiol 1998;5:591-597.
53. **Jong-Won Ha**, Namsik Chung, Junghan Yoon, Yangsoo Jang, Byung-Ok Kim, Seung-Yun Cho, Bum-Koo Cho: Pulsed wave and Color Doppler echocardiography and Cardiac Catheterization Findings in Bilateral Pulmonary Vein Stenosis. J Am Soc Echocardiogr 11:393-396, 1998
54. **Jong-Won Ha**, Namsik Chung, Seung-Yun Cho, Meyun-Shick Kang, Sang-Ho Cho: Papillary Muscle Rupture During Acute Myocardial Infarction. Clin Cardiol 1998;21:511-2.
55. KH Chang, **JW Ha**, NS Chung, SY Cho: Progression of hypertrophic cardiomyopathy to dilated cardiomyopathy; a case reports and review of the literature. Yonsei Med J 39:61-66, 1998.
56. **Jong-Won Ha**, Namsik Chung, Won-Heum Shim, Young-Woo Kim, Dong-Il Lee, Bo-Young Chung, Se-Joong Rim, Byung-Chul Chang, Do-Yun Lee: Transesophageal echocardiographic identification of the left upper pulmonary venous obstruction due to compression by a spontaneous pseudoaneurysm of the descending thoracic aorta. J Am Soc Echocardiogr 1998;11:992-996.
57. TIMIKO study group. Comparison of double bolus urokinase versus front-loaded alteplase regimen for acute myocardial infarction. Am J Cardiol 1998;82:811-813.
58. **Jong-Won Ha**, Namsik Chung, Byung-Chul Chang: Mitral stenosis with left atrial thrombi. Clin Cardiol 1999;22:491.
59. **Jong-Won Ha**, Seung-Yun Cho, Jong-Doo Lee, Meyun-Shick Kang: Left ventricular aneurysm after myocardial



infarction. Clin Cardiol 21:917, 1998.

60. Byung-Chul Chang, **Jong-Won Ha**, Jung-Taek Kim, Sang-Ho Cho. Intracardiac Tuberculoma. Ann Thorac Surg 1999;67:226-228.

61. **Jong-Won Ha**, Namsik Chung, Byung-Chul Chang, Do-Yun Lee, Seung-Yun Cho. Aortic Saddle Embolism. Clin Cardiol 1999;22:229-230.

62. SM Kang, **JW Ha**, SJ Rim, NS Chung: Index of myocardial performance using Doppler-derived parameters in the evaluation of left ventricular function in patients with essential hypertension. Yonsei Med J 1998;39:446-452. (as a corresponding author)

63. Dong-il Lee, **Jong-Won Ha**, Boyoung Chung, Youngwoo Kim, Kook-Jin Chun, Se-Joong Rim, Namsik Chung: Double-Orifice Mitral Valve. Clin Cardiol 1999;22:425. (as a corresponding author)

64. **Jong-Won Ha**, Woong-Chul Kang, Namsik Chung, Byung-Chul Chang, Se-Joong Rim, Jin-Wook Kwon, Yangsoo Jang, Won-Heum Shim, Seung-Yun Cho, Sung-Soon Kim, Sang-Ho Cho. Echocardiographic and morphologic characteristics of left atrial myxoma and their relation to systemic embolism. Am J Cardiol 1999;83:1579-1582.

65. **JW Ha**, SY Cho, WH Shim, NS Chung, YS Jang, HM Lee, KO Choe, WJ Chung, SH Choi, KJ Yoo, MS Kang: Noninvasive evaluation of the patency of coronary artery bypass grafts using three-dimensional angiography obtained with contrast-enhanced electron beam CT. AJR 1999;172:1055-1059.

66. **Jong-Won Ha**, Byung-Chul Chang, Namsik Chung, Sang-Ho Cho. Acute severe mitral regurgitation due to unusual detachment of bioprosthetic valve leaflet. Clin Cardiol. 2000 Mar;23(3):213.

67. **Jong-Won Ha**, Moon-Hyung Lee, Byung-Chul Chang, Namsik Chung, June Kwan, Sang-Ho Cho. Cardiac hemangioma. Clin Cardiol (in press)

68. **Jong-Won Ha**, Namsik Chung, Yangsoo Jang, Se-Joong Rim. Tricuspid Stenosis and Regurgitation: Doppler and Color Flow Echocardiography and Cardiac Catheterization Findings. Clin Cardiol. 2000 Jan;23(1):51-2. No abstract available.

69. **Jong-Won Ha**, Jong-Doo Lee, Namsik Chung, Yangsoo Jang, Sang-Ho Cho, Byung-Soo Kim, Se-Joong Rim, Won-Heum Shim, Seung-Yun Cho, Sung-Soon Kim. Assessment of Myocardial Metaiodobenzylguanidine Uptake and Its Relation to Left Ventricular Systolic and Diastolic Functional Parameters in Dilated Cardiomyopathy. Yonsei Med J 1999;40:199-206.

70. Namsik Chung, Yangsoo Jang, **Jong-Won Ha**, Young-Seop Byun, Nam-Ho Lee, Se-Joong Rim, Moon-Hyung Lee, Won-Heum Shim, Seung-Yun Cho, Sung-Soon Kim, Sang-Ho Cho, Young-Ro Yoon, Joo-Hyun Seok, Jae-Woo Shin. Analysis of the left ventricular contractile reserve using end-systolic pressure-volume relation in idiopathic dilated cardiomyopathy: its correlation with pathologic findings. Kor Circulation J 1999;29:751-761.

71. Chang HJ, Kang S, Rim SJ, Choi D, Goh CW, Kim JY, **Ha JW**, Jang Y, Chung N, Shim WH, Cho SY, Roh JK, Kim SK, Cho SH. A case report of primary cardiac lymphoma: diagnosis by transvenous biopsy under transesophageal echocardiographic guidance. Kor Circulation J 1999;29:828-832.

72. Kim YW, **Ha JW**, Shim WH, Kph YW. Primary coronary stenting as a successful treatment of acute myocardial infarction in a patient with acute promyelocytic leukemia. Kor Circulation J 1999;29:840-843. (as a corresponding author)

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