

CURRICULUM VITAE

NAME : Jin Wook Chung

PRESENT TITLE & AFFILIATION

Professor and Chairman
Department of Radiology
Seoul National University College of Medicine

CITIZENSHIP

Republic of Korea

OFFICE ADDRESS & TELEPHONE

Department of Diagnostic Radiology,
Seoul National University Hospital,
101 Daehak-ro, Jongno-gu,
Seoul 03080, Korea

LICENSES - ACTIVE

National Medical License, Korea - February 1985 (License Number: 28137)

EDUCATION

UNDERGRADUATE : College of Liberal Arts and Science
Seoul National University
(March 1979 - February 1981)

GRADUATE : College of Medicine - M. D.
Seoul National University
(March 1981 - February 1985)

Graduate School - M.S.
Seoul National University
(March 1987 - February 1989)

Graduate School - Ph.D.
Seoul National University
(March 1992 - February 1994)

POSTGRADUATE : Rotating Internship
Seoul National University Hospital, Seoul
(March 1985 - February 1986)

Radiology Residency
Seoul National University Hospital, Seoul
(March 1986 - February 1989)

SPECIALTY BOARDS : Korean Board of Radiology (February 1989)

MILITARY SERVICE : Republic of Korea Air Force, Captain,
Flight Surgeon (March 1989 - April 1992)

ACADEMIC & PROFESSIONAL APPOINTMENTS

Instructor of Radiology
Seoul National University College of Medicine
(March 1994 - February 1996)

Assistant Professor of Radiology
Seoul National University College of Medicine
(March 1996 - February 2001)

Associate Professor of Radiology
Seoul National University College of Medicine
(February 2001 - March 2006)

Professor of Radiology
Seoul National University College of Medicine
(April 2006 - Present)

HOSPITAL APPOINTMENTS

Clinical Fellow in Cardiovascular & Interventional Radiology
Section, Seoul National University Hospital
(May 1992 - February 1994)

Faculty in Cardiovascular & Interventional Radiology Section,
Seoul National University Hospital
(March. 1994 - Present)

Faculty in Charge of Animal Research, Department of
Radiology, Seoul National University Hospital
(January 1995 - Present)

Visiting Scholar
Division of Cardiovascular Interventional Radiology,
Stanford University Medical Center
(July 1996 – June 1997)

Chief of Cardiovascular & Interventional Radiology Section,
Seoul National University Hospital
(September 2012 - Oct 2017)

Chairman, Department of Radiology
 Seoul National University Hospital
 (Nov 2017 - Present)

SOCIETY MEMBERSHIP

Korean Society of Radiology	(1989 -)
Korean Society of Medical Ultrasound	(1992 -)
Korean Society of Interventional Radiology	(1992-)
Radiological Society of North America	(1994 -)
Society of Interventional Radiology	(1996 -)
Korean Vascular Surgery Society	(1997 -)
Korean Liver Cancer Association	(1998-)
Cardiovascular and Interventional Radiology Society in Europe	(2010-)

HONORS/AWARDS

Certificate of merit award (1993) for a scientific exhibit at 79th Scientific Assembly and Annual Meeting of Radiological Society of North America

Certificate of merit award (1994) for a scientific exhibit at 80th Scientific Assembly and Annual Meeting of Radiological Society of North America (*Extrahepatic collaterals supplying hepatic tumors: angiographic demonstration and suggestive CT features*)

Certificate of merit award (1995) for a scientific exhibit at 81th Scientific Assembly and Annual Meeting of Radiological Society of North America

Cum Laude award (1995) for a scientific exhibit from Korean Radiological Society (*Portosystemic collateral pathways: correlation of CT and DSA. Lee KW, Chung JW, Park JH*)

Certificate of merit award (1998) for a scientific exhibit at 84th Scientific Assembly and Annual Meeting of Radiological Society of North America. (*Non-hepatic arteries originating from the hepatic arteries. (Lim HG, Song SY, Chung JW, Park JH)*)

Certificate of merit and Design of Excellence award (1999) for a scientific exhibit at 84th Scientific Assembly and Annual Meeting of Radiological Society of North America. (*Celiac trunk and hepatic artery variations revisited in the era of spiral CT: spectrum of variations, new nomenclature system, and comprehensive developmental model. Chung JW, Song SY, Lim HG, Kim HB, Lee W, Park JH*)

- Award for international publication (2001) from Korean Radiological Society
- Award for a best scientific oral presentation (2002) at Annual Meeting of Korean Society of Phlebology. (*CT venography to evaluate superficial veins in lower extremities. Chung JW, Park JH, Ha JW, Kim SJ*)
- Featured abstract (2003) for a scientific oral presentation at 28th Annual Scientific Meeting of Society of Interventional Radiology. (*Deep vein thrombosis of lower extremity: evaluation of underlying anatomic problems using spiral CT venography. Chung JW, Yoon CJ, Jung SI, Park JH*).
- Cum Laude award (2004) for a scientific exhibit at 89th Scientific Assembly and Annual Meeting of Radiological Society of North America. (*Hepatocellular carcinoma treated with transcatheter arterial chemoembolization: spectrum of collateral vessels and their suggestive findings. Kim HC, Chung JW, Park JH, Jae HJ, Lee W.*)
- International scientific presentation award (2005) from Korean Society of Interventional Radiology
- Distinguished Reviewer Award (2005. 1) from Journal of Vascular and Interventional Radiology
- Distinguished Reviewer Award (2006. 1) from Journal of Vascular and Interventional Radiology
- Distinguished Reviewer Award (2007. 1) from Journal of Vascular and Interventional Radiology
- Distinguished Reviewer Award (2008. 1) from Journal of Vascular and Interventional Radiology
- Seoul National University Hospital Academic Awards (2008) from Seoul National University Hospital and Seoul National University College of Medicine
- Radiology Editor's Recognition Award for reviewing with Special Distinction (2008. 12) from Radiological Society of North America
- Distinguished Reviewer Award (2009. 1) from Journal of Vascular and Interventional Radiology
- Radiology Editor's Recognition Award for reviewing with Distinction (2009. 12) from Radiological Society of North America
- Radiology Editor's Recognition Award for reviewing with Special Distinction (2010. 12) from Radiological Society of North America
- Radiology Editor's Recognition Award for reviewing with Special Distinction (2011. 12) from Radiological Society of North America

Radiology Editor's Recognition Award for reviewing with
Distinction (2012. 12) from Radiological Society of North
America
JVIR Distinguished Reviewer Award (2014. 12) from J Vasc Interv
Radiol

EDITORIAL BOARD ASSIGNMENTS

Korean Journal of Radiology (2007 -)
Associate Editor, Radiology (2013-)

EDUCATIONAL AND SOCIETY ACTIVITIES

International Intensive Course for Interventional Radiology,
Program coordinator (2002 -2009)
9th APCCVIR. Scientific committee chair (2010.6 ~)
International Intensive Course for Chemoembolization
Program director (2014.8 ~)
Vice president, Korean Society of Interventional Radiology
(2017.1.1 ~ 2018.12.31)
Vice president, Korean Liver Cancer Association (2018.7.1 ~
2019.6.30)
President, Korean Society of Interventional Radiology (2019.1.1 ~
2020.12.31)

PUBLICATIONS (English Literature Journal)

1. Im J-G, **Chung JW**, Han SK, Han MC, Kim JW. CT manifestations of tracheobronchial involvement in relapsing polychondritis. *J Comput Assist Tomogr* 1988; 12(5):792-793.
2. **Chung JW**, Chang KH, Han MH, Kim BH, Song CS. Computed tomography of cavernous sinus diseases. *Neuroradiology* 1988; 30:319-328.
3. Park JH, Kim YM, **Chung JW**, Park YB, Han JK, Han MC. MR imaging of hypertrophic cardiomyopathy. *Radiology* 1992; 185:441-446.
4. **Chung JW**, Park JH, Han JK, Kim HC, Han MC. Hypointense boundary layer between slow flow and mural thrombus on spin-echo MR. *J Comput Assist Tomogr* 1992; 16(6):944-950.
5. **Chung JW**, Im J-G, Park JH, Han JK, Choi CG, Han MC. Left paracardiac mass caused by dilated pericardiophrenic vein: report of four cases. *AJR Am J Roentgenol* 1993; 160:25-28.
6. Park JH, Han JK, **Chung JW**, Han MC, Kim ST. Postoperative recurrence of hepatocellular carcinoma: results of transcatheter arterial chemoembolization. *Cardiovasc Intervent Radiol* 1993; 16:21-24.
7. Park JH, Han JK, **Chung JW**, Choi BI, Han MC, Kim YI. Superselective transcatheter arterial embolization with ethanol and iodized oil for hepatocellular carcinoma. *J Vasc Interv Radiol* 1993;4:333-339.
8. **Chung JW**, Park JH, Im J-G, Han JK, Han MC. Pulmonary oil embolism following transcatheter oily chemoembolization of hepatocellular carcinoma. *Radiology* 1993;187:689-693.
9. Im J-G, **Chung JW**, Han MC. Milk of pleural collections: CT findings. *J Comput Assist Tomogr* 1993; 17:613-616.
10. **Chung JW**, Park JH, Kim HC, Han MC. Entry tears of thoracic aortic dissection: MR appearance on gated SE imaging. *J Comput Assist Tomogr* 1993; 18:250-255.
11. **Chung JW**, Park JH, Han JK, Han MC. Perforation of gastroduodenal artery induced by steerable guidewires in two cases: treatment with

- hemorrhage by embolization. *Cardiovasc Intervent Radiol* 1994; 17:41-43.
12. Park JH, **Chung JW**, Han JK, Han MC. Interventional management of benign obstruction of the hepatic inferior vena cava. *J Vasc Interv Radiol* 1994; 5:403-409.
 13. Im J-G, Kim WH, Han MC, Han YM, **Chung JW**, Ahn JM, Do YS. Sclerosing hemangiomas of the lung and interlobar fissures: CT findings. *J Comput Assist Tomogr* 1994;18:34-38.
 14. Choi BI, Shin YM, **Chung JW**, Kim SH, Park JH, Han MC. MR findings of hepatic cavernous hemangioma after intraarterial infusion of iodized oil. *Abdom Imaging* 1994;19:507-511.
 15. Park JH, Kim SH, Han JK, **Chung JW**, Han MC. Transcatheter arterial embolization of unresectable renal cell carcinoma with a mixture of ethanol and iodized oil. *Cardiovasc Intervent Radiol* 1994; 17:323-327.
 16. Kim JH, **Chung JW**, Han JK, Park JH, Choi BI, Han MC. Transcatheter arterial embolization of the internal mammary artery in hepatocellular carcinoma. *J Vasc Interv Radiol* 1995; 6:71-77.
 17. Yoon DY, Park JH, **Chung JW**, Han JK, Han MC. Iatrogenic dissection of the celiac artery and its branches during transcatheter arterial embolization for hepatocellular carcinoma: outcome in 40 patients. *Cardiovasc Intervent Radiol* 1995; 18:16-19.
 18. Park JH, **Chung JW**, Im J-G, Kim SK, Park YB, Han MC. Takayasu arteritis: evaluation of mural changes in the aorta and pulmonary artery with CT angiography. *Radiology* 1995; 196:89-93.
 19. **Chung JW**, Park JH, Han JK, Choi BI, Han MC. Hepatocellular carcinoma and portal vein invasion: results of treatment with transcatheter oily chemoembolization. *AJR Am J Roentgenol* 1995; 165:315-321.
 20. Lee HK, Kim IO, Kim WS, **Chung JW**, Yeon KM. Stenosis of the inferior vena cava caused by a traumatic diaphragmatic hernia: case report. *Pediatr Radiol* 1995;25:S175-177.
 21. **Chung JW**, Park JH, Han JK, Choi BI, Han MC, Lee H-S, Kim CY. Transcatheter oily chemoembolization of hepatic tumors: complications and their predisposing factors. *Radiology* 1996; 198:33-40

22. Kim SH, Cho SH, Kim HD, **Chung JW**, Park JH, Han MC. Nutcracker syndrome: diagnosis with Doppler US. *Radiology* 1996; 198:93-97.
23. Choi BI, Shin YM, Han JK, **Chung JW**, Park JH, Han MC. Focal hepatic nodules after transcatheter oily chemoembolization: detection with spiral CT versus conventional CT. *Abdom Imaging* 1996; 21:33-36.
24. Sim JS, Choi BI, Han JK, Chung MJ, **Chung JW**, Park JH, Han MC. Helical CT anatomy of pancreatic arteries. *Abdom Imaging* 1996; 21:517-521.
25. Han JK, Choi BI, **Chung JW**, Park JH, Han MC. Cholecystocholedochostomy with use of a self-expandable metallic stent: treatment method for nonfunctioning cholecystojejunostomy. *J Vasc Interv Radiol* 1996; 7:757-760.
26. Choi BI, Kim TK, Han JK, **Chung JW**, Park JH, Han MC. Power versus conventional color Doppler sonography: comparison in the depiction of vasculature in liver tumors. *Radiology* 1996; 200:55-58.
27. Park JH, **Chung JW**, Choo IW, Kim SJ, Lee JY, Han MC. Fenestrated stent-grafts for preserving visceral arterial branches in the treatment of abdominal aortic aneurysms: preliminary experience. *J Vasc Interv Radiol* 1996; 7:819-823.
28. Moon WK, Choi BI, Han JK, Kim SH, **Chung JW**, Park JH, Han MC. Iodized-oil retention withing hepatic hemangioma: characteristics on iodized-oil CT. *Abdom Imaging* 1996; 21:420-426.
29. **Chung JW**, Park JH, Im J-G, Chung MJ, Han MC, Ahn H. Spiral CT angiography of the thoracic aorta. *Radiographics* 1996; 16:811-824.
30. Kim TK, Han JK, **Chung JW**, Choi BI, Park JH, Han MC. Intraperitoneal drop metastases from hepatocellular carcinoma: CT and angiographic findings. *J Comput Assist Tomogr* 1996; 20:638-642.
31. Park HS, Im J-G, **Chung JW**, Yeon KM. Anomalous left pulmonary artery with complete cartilaginous ring. *J Comput Assist Tomogr* 1997; 21:478-480.

32. Chung MJ, Choi BI, Han JK, **Chung JW**, Han MC, Bae SH. Functioning islet cell tumor of the pancreas: localization with dynamic spiral CT. *Acta Radiologica* 1997; 38:135-138.
33. Park JH, **Chung JW**, Cho YK, Kim SH, Ahn H, Oh BH. Percutaneous fenestration of aortic dissection: salvage of an ischemic solitary left kidney. *Cardiovasc Intervent Radiol* 1997; 20:146-148.
34. Park JH, **Chung JW**, Lee KW, Park YB, Han MC. CT angiography of Takayasu arteritis: comparison with conventional angiography. *J Vasc Interv Radiol* 1997; 8:393-400.
35. Lee H-S, Kim JS, Choi IJ, **Chung JW**, Park JH, Kim CY. The safety and efficacy of transcatheter arterial chemoembolization in the treatment of patients with hepatocellular carcinoma and main portal vein obstruction: a prospective controlled study. *Cancer* 1997; 79:2087-2094.
36. Lee JY, **Chung JW**, Kim SH, Cho SW, Park JH. Proximal ureter obstruction caused by a lower polar renal artery: demonstration with spiral CT angiography. *J Comput Assist Tomogr* 1997; 21:641-642.
37. Han BK, Im J-G, **Chung JW**, Chung MJ, Yeon KM. Pericaval fat collection that mimics thrombosis of the inferior vena cava: demonstration with use of multi-directional reformation CT. *Radiology* 1997; 203:105-108.
38. Yi SW, Kim YH, Kwon IC, **Chung JW**, Park JH, Choi YW, Jeong SY. Stable lipiodolized emulsions for hepatoma targeting and treatment by transcatheter arterial chemoembolization. *Journal of Controlled Release* 1998; 50:135-143.
39. Seo JB, **Chung JW**, Park JH, Kim SH, Kim TK, Han JK, Choi BI, Han MC. Benign obstruction of the hepatic inferior vena cava complicated by hepatocellular carcinoma. *AJR Am J Roentgenol* 1998;170:655-659
40. Lee H, Kim TS, **Chung JW**, Han JK, Kim SH, Park JH. Renal angiomyolipoma: embolotherapy with a mixture of alcohol and iodized oil. *J Vasc Interv Radiol* 1998;9:255-261
41. **Chung JW**, Park JH, Han JK, Choi BI, Kim TK, Han MC. Transcatheter oily chemoembolization of the inferior phrenic artery in hepatocellular carcinoma: the safety and potential therapeutic role. *J Vasc Interv Radiol* 1998;9:495-500

42. Kim TS, **Chung JW**, Park JH, Kim SH, Yeon KM, Han MC. Renal artery evaluation: comparison of spiral CT angiography to intra-arterial DSA. *J Vasc Interv Radiol* 1998;9:553-559
43. **Chung JW**. Transcatheter arterial chemoembolization of hepatocellular carcinoma. *Hepato-Gastroenterology* 1998; 45:1236-1241.
44. Kim TS, Park JH, Lee Y, **Chung JW**, Han MC. An experimental study on thrombogenicity of various metallic microcoils with or without thrombogenic coatings. *Invest Radiol* 1998; 33:407-410
45. Kim TK, Choi BI, Han JK, **Chung JW**, Park JH, Han MC. Nontumorous arterioportal shunt mimicking hypervascular tumor in cirrhotic liver: two-phase spiral CT findings. *Radiology* 1998; 208:597-603
46. Kim SH, **Chung JW**, Im J-G, Choi YW, Choe YH, Han MC. Subaortic left innominate vein: radiologic findings and consideration of embryogenesis. *J Thoracic Imaging* 1999; 14:142-146
47. Goo JM, Im J-G, Ahn JM, Moon WK, **Chung JW**, Park JH, Seo JB, Han MC. Right paratracheal air cysts in the thoracic inlet: clinical and radiologic significance. *AJR Am J Roentgenol* 1999; 173:65-70
48. Choi BI, **Chung JW**, Itai Y, Matsui O, Han JK, Han MC. Hepatic abnormalities related to blood flow: evaluation with dual-phase helical CT. *Abdom Imaging* 1999; 24:340-356
49. Lee KW, Park JH, **Chung JW**, Kim WS, Lee W, Yeon KM. Short-term effects of a new intravascular nitinol stent in canine arteries. *Invest Radiol* 1999; 34:367-373
50. Kim TK, **Chung JW**, Han JK, Kim AY, Park JH, Choi BI. Hepatic changes in benign obstruction of the hepatic inferior vena cava: CT findings. *AJR Am J Roentgenol* 1999; 173:1235-1242
51. Lee SC, **Chung JW**, Kim K-H, Kim W-K. Successful transumbilical embolization of congenitally ruptured hepatoblastoma. *J Pediatr Surg* 1999; 34:1851-1852
52. Kim IO, Cheon JE, Kim WS, **Chung JW**, Yeon KM, Yoo SJ, Seo JK. Congenital intrahepatic portosystemic venous shunt: treatment with coil embolization. *Pediatr Radiol* 2000; 30:336-338

53. Ha HK, Lee SH, Rha SE, Kim JH, Byun JY, Lim HK, **Chung JW**, Kim JG, Kim PN, Lee MG, Auh YH. Radiologic features of vasculitis involving the gastrointestinal tract. *Radiographics* 2000; 20:779-94
54. Lee KH, Park JH, **Chung JW**, Han JK, Shin SJ, Kang HS. Vascular complications in lumbar spinal surgery: percutaneous endovascular treatment. *Cardiovasc Intervent Radiol* 2000; 23:65-69
55. **Chung JW**, Elkins C, Sakai T, Kato N, Vestring T, Semba CP, Slonim SM, Dake MD. True-lumen collapse in aortic dissection: part II. Evaluation of treatment methods in phantoms with pulsatile flow. *Radiology* 2000; 214:99-106
56. **Chung JW**, Elkins C, Sakai T, Kato N, Vestring T, Semba CP, Slonim SM, Dake MD. True-lumen collapse in aortic dissection: part I. Evaluation of causative factors in phantoms with pulsatile flow. *Radiology* 2000; 214:87-98
57. Seo JB, Im J-G, **Chung JW**, Song JW, Goo JM, Park JH, Yeon KM. Pulmonary vasculitis: the spectrum of radiological findings. *Br J Radiol* 2000; 73:1224-1231
58. Sohn DW, **Chung JW**, Oh BH, Lee MM, Park YB, Choi YS, Lee YW. Should ascending aortic intramural hematoma be treated surgically? *Am J Cardiol* 2001; 87:1024-1027
59. Song SY, **Chung JW**, Han JK, Lim HG, Koh YW, Park JH, Lee HS, Kim CY. Liver abscess after transcatheter oily chemoembolization for hepatic tumors: incidence, predisposing factors, and clinical outcome. *J Vasc Intervent Radiol* 2001; 12:313-320
60. Park SH, **Chung JW**, Lee JW, Han MH, Park JH. Carotid artery involvement in Takayasu's arteritis. *J Ultrasound Med* 2001; 20:371-378
61. Do KH, Goo JM, Im JG, Kim KW, **Chung JW**, Park JH. Systemic arterial supply to the lungs in adults: spiral CT findings. *Radiographics* 2001; 21:387-402
62. Park CM, **Chung JW**, Kim HB, Shin SJ, Park JH. Celiac axis stenosis: incidence and etiologies in asymptomatic individuals. *Korean J Radiol* 2001; 2:8-13

63. Kwak BK, Shim HJ, Park ES, Kim SA, Choi D, Lim HK, Park CK, **Chung JW**, Park JH. Correlation between vascular endothelial growth factor level and degree of enhancement by multiphase contrast-enhanced computed tomography. *Invest Radiol* 2001; 36: 487-492
64. Park JH, **Chung JW**, Joh JH, Song SY, Shin SJ, Chung KS, Lee DY, Won JY, Kim SJ. Aortic and arterial aneurysms in Behcet's disease: management with stent-grafts: initial experience. *Radiology* 2001; 220:745-750
65. Hong JH, Bahk YW, Suh JS, Kwak BK, Shim HJ, Kim JS, Kim HS, Moon YH, Kim SJ, **Chung JW**, Park JH. An experimental model of ischemia in rabbit hindlimb. *J Korean Med Sci* 2001 Oct;16(5):630-5
66. Yoo JH, Lee CT, Shim YS, **Chung JW**, Ahn H, Kim KW. Aortobronchial fistula presenting as recurrent hemoptysis and successfully treated with an endovascular stent graft. *Respiration* 2001; 68:537-539
67. Yoon CJ, **Chung JW**, Park JH, Hong SH, Song SY, Lim HG, Lee YS. A newly designed nitinol stent: early clinical experience in the treatment of iliac artery stenoses and occlusions. *Korean J Radiol* 2001; 2:145-150
68. Lee Y-S, Jeong JM, Kim YJ, **Chung JW**, Park JH, Suh Y-G, Lee DS, Chung J-K, Lee MC. Synthesis of ¹⁸⁸Re-labelled long chain alkyl diaminedithiol for therapy of liver cancer. *Nuclear Medicine Communications*, 2002; 23:237-242
69. Seong CK, Kim YJ, **Chung JW**, Kim SH, Han JK, Kim HB, Park JH. Tubular foreign body or stent: safe retrieval or repositioning using coaxial snare technique. *Korean J Radiol* 2002; 3:30-37
70. Kim SH, Jeong JY, Kim YI, Choi YH, **Chung JW**, Hyung Park J. SCVIR 2002 Film Panel case 3: aortic occlusion secondary to intimal sarcoma. *J Vasc Interv Radiol*. 2002 May;13(5):537-41.
71. Yoon CJ, **Chung JW**, Kim HB, Lee JW, Park JH. A new nitinol monofilament stent: early experience with use for transjugularintrahepatic portosystemic shunts. *Cardiovasc Intervent Radiol*. 2002 May-Jun;25(3):200-4.

72. Song SY, **Chung JW**, Kwon JW, Joh JH, Shin SJ, Kim HB, Park JH. Collateral pathways in patients with celiac axis stenosis: angiographic-spiralCT correlation. *Radiographics*. 2002 Jul-Aug;22(4):881-93.
73. Kwon JW, **Chung JW**, Song SY, Lim HG, Myung JS, Choi YH, Park JH. Transcatheter arterial chemoembolization for hepatocellular carcinomas inpatients with celiac axis occlusion. *J Vasc Interv Radiol*. 2002 Jul;13(7):689-94.
74. Lee W, **Chung JW**, Kim HB, Kim SH, Lee JW, Han JK, Choi BI, Park JH. Acute hepatic vein occlusion: spiral CT findings in an experimental study. *Abdom Imaging*. 2002 Sep-Oct;27(5):527-35.
75. Choi BY, **Chung JW**, Park JH, Kim KH, Kim YI, Koh YH, Kwon JW, Lee KH, Choi HJ, Kim TW, Kim YJ, Chung H, Kwon IC, Jeong SY. Gene Delivery to the Rat Liver Using Cationic Lipid Emulsion/DNA Complex: Comparison between Intra-arterial, Intraportal and Intravenous Administration. *Korean J Radiol*. 2002 Jul-Sep;3(3):194-8.
76. Lee Y-S, Jeong JM, Kim YJ, **Chung JW**, Park JH, Suh Y-G, Lee DS, Chung J-K, Lee MC. Synthesis of ¹⁸⁸Re-labelled long chain alkyl diaminedithiol for therapy of liver cancer. *Nuclear Medicine Communications*, 2002; 23:237-242.
77. Lee HS, Kim KM, Yoon JH, Lee TR, Suh KS, Lee KU, **Chung JW**, Park JH, Kim CY. Therapeutic efficacy of transcatheter arterial chemoembolization as compared with hepatic resection in hepatocellular carcinoma patients with compensated liver function in a hepatitis B virus-endemic area: a prospective cohort study. *J Clin Oncol*. 2002 Nov 15;20(22):4459-65.
78. Kim HC, Kim AY, Han JK, **Chung JW**, Lee JY, Park JH, Choi BI. Hepatic arterial and portal venous phase helical CT in patients treated with transcatheter arterial chemoembolization for hepatocellular carcinoma: added value of unenhanced images. *Radiology*. 2002 Dec;225(3):773-80.
79. So YH, **Chung JW**, Park JH. Balloon fenestration of iatrogenic celiac artery dissection. *J Vasc Interv Radiol*. 2003 Apr;14(4):493-6.
80. Kim SH, Han JK, Lee KH, **Chung JW**, Yang HK, Choi BI. Computed tomography gastrography with volume-rendering technique: correlation

with double-contrast barium study and conventional gastroscopy. J Comput Assist Tomogr. 2003 Mar-Apr;27(2):140-9.

81. **Chung JW**, Jeong HJ, Joh JH, Park JS, Jun JK, Kim SH. Percutaneous transcatheter angiographic embolization in the management of obstetric hemorrhage. J Reprod Med. 2003 Apr;48(4):268-76.
82. Choi YH, Yoon CJ, Park JH, **Chung JW**, Kwon JW, Choi GM. Balloon-occluded retrograde transvenous obliteration for gastric variceal bleeding: its feasibility compared with transjugular intrahepatic portosystemic shunt. Korean J Radiol. 2003 Apr-Jun;4(2):109-16.
83. Choi SH, **Chung JW**, Lee HS. Hepatocellular carcinoma supplied by portal flow after repeated transcatheter arterial chemoembolization. AJR Am J Roentgenol. 2003 Sep;181(3):889-90.
84. Yoon CJ, **Chung JW**, Park JH, Yoon YH, Lee JW, Jeong SY, Chung H. Transcatheter Arterial Chemoembolization with Paclitaxel-Lipiodol Solution in Rabbit VX2 Liver Tumor. Radiology. 2003 Oct;229(1):126-31.
85. Kim HC, **Chung JW**, Park JH, Yin YH, Park SH, Yoon CJ, Choi YH. Role of CT Venography in the Diagnosis and Treatment of Benign Thoracic Central Venous Obstruction. Korean J Radiol. 2003 Jul-Sep;4(3):146-52.
86. Paeng JC, Jeong JM, Yoon CJ, Lee YS, Suh YG, **Chung JW**, Park JH, Chung JK, Son M, Lee MC. Lipiodol solution of 188Re-HDD as a new therapeutic agent for transhepatic arterial embolization in liver cancer: preclinical study in a rabbit liver cancer model. J Nucl Med. 2003 Dec;44(12):2033-8.
87. Kim HC, **Chung JW**, Yoon CJ, Lee W, Jae HJ, Kim YI, Park JH. Collateral pathways in thoracic central venous obstruction: three-dimensional display using direct spiral computed venography. J Comput Assist Tomogr 2004 Jan 48;(1):224-228.
88. **Chung JW**, Yoon CJ, Jung SI, Kim HC, Lee W, Kim YI, Jae HJ, Park JH. Acute iliofemoral deep vein thrombosis: evaluation of underlying anatomic abnormalities by spiral computed tomographic venography. J Vasc Interv Radiol 2004 Mar;15(3):249-56.

89. Lee W, Kim HS, Kim SJ, Kim HH, **Chung JW**, Kang HS, Hong SH, Choi JY. CT arthrography and virtual arthroscopy in the diagnosis of the anterior cruciate ligament and meniscal abnormalities of the knee joint. *Korean J Radiol.* 2004 Jan-Mar;5(1):47-54.
90. Kim HC, **Chung JW**, Park SH, Kim HB, Jae HJ, Lee W, Park JH. Systemic-to-pulmonary venous shunt in superior vena cava obstruction: depiction on computed tomography venography. *Acta Radiol* 2004 May;45(3):269-274.
91. Yoon CJ, **Chung JW**, Park JH, Kim YI, Lee KH, Jeong JM, Paeng JC. Transcatheter arterial embolization with 188Rhenium-HDD labeled iodized oil in rabbit VX2 liver tumor. *J Vasc Interv Radiol* 2004 Oct;15(10):1121-1128.
92. Gwak GY, Yoon JH, Kim KM, Lee HS, **Chung JW**, Gores GJ. Hypoxia stimulates proliferation of human hepatoma cells through the induction of hexokinase II expression. *J Hepatol* 2004 Mar;42(3):358-364.
93. **Chung JW**, Choi D. Radiological intervention of hepatocellular carcinoma. *Korean J Gastroenterol* 2005;45:258-270
94. Yoon CJ, **Chung JW**, Park JH. Transjugular intrahepatic portosystemic shunt for acute variceal bleeding in patients with viral liver cirrhosis: predictors of early mortality. *AJR Am J Roentgenol* 2005 Oct; 185(4):885-9.
95. Kim HC, **Chung JW**, Lee W, Jae HJ, Park JH. Recognizing extrahepatic collateral vessels that supply hepatocellular carcinoma to avoid complications of transcatheter arterial chemoembolization. *Radiographics* 2005 Oct; 25 Suppl I:S25-39.
96. Jung AY, Lee W, **Chung JW**, Song SY, Kim SJ, Ha J, Jae HJ, Park JH. Role of computed tomographic angiography in the detection and comprehensive evaluation of persistent sciatic artery. *J Vasc Surg* 2005 Oct; 42(4):678-83.
97. Lee HY, Lee W, **Chung JW**, Park JH, Yeon KM. Interrupted aortic arch with aberrant subclavian artery: a rare form of arch anomaly demonstrated with multidetector CT and 3D reconstruction. *Pediatr Radiol* 2005 Jan 11; 1-2.

98. Kim HC, **Chung JW**, Jae HJ, Lee W, So YH, Park JH. Hepatocellular carcinoma: transcatheter arterial chemoembolization of the gonadal artery. *J Vasc Interv Radiol*. 2006 Apr;17(4):703-9.
99. Myung SJ, Yoon JH, Kim KM, Gwak GY, Kim YJ, Yu JW, **Chung JW**, Lee HS. Diffuse infiltrative hepatocellular carcinomas in a hepatitis B-endemic area: diagnostic and therapeutic impediments. *Hepatogastroenterology*. 2006 Mar-Apr;53(68):266-70.
100. Song SY, **Chung JW**, Lim HG, Park JH. Nonhepatic Arteries Originating from the Hepatic Arteries: Angiographic Analysis in 250 Patients. *J Vasc Interv Radiol*. 2006 Mar;17(3):461-469.
101. Myung SJ, Yoon JH, Gwak GY, Shin CM, Ahn DW, Yu SJ, Yu JW, Cho SJ, **Chung JW**, Lee HS. [A case of infiltrative hepatocellular carcinoma with main portal vein tumorthrombosis successfully treated by transarterial chemoembolization.] *Korean J Hepatol*. 2006 Mar;12(1):107-11.
102. Weon YC, Kang SG, **Chung JW**, Kim YI, Park JH, Lee do Y. Technical feasibility and biocompatibility of a newly designed separating stent-graft in the normal canine aorta. *AJR Am J Roentgenol*. 2006 Apr;186(4):1148-54.
103. Lee HY, Lee W, Cho YK, **Chung JW**, Park JH. Superficial venous aneurysm: reports of 3 cases and literature review. *J Ultrasound Med*. 2006 Jun;25(6):771-6
104. Sung CK, **Chung JW**, Kim SH, Park JH. Urine attenuation ratio: a new CT indicator of renal artery stenosis. *AJR Am J Roentgenol*. 2006 Aug;187(2):532-40.
105. Kim YI, **Chung JW**, Park JH, Han JK, Hong JW, Chung H. Intraarterial gene delivery in rabbit hepatic tumors: transfection with nonviral vector by using iodized oil emulsion. *Radiology*. 2006 Sep;240(3):771-7.
106. Sung CK, **Chung JW**, Kim SH, Park JH. Urine attenuation ratio: a new CT indicator of renal artery stenosis. *AJR Am J Roentgenol*. 2006 Aug;187(2):532-40.
107. **Chung JW**, Kim HC, Yoon JH, Lee HS, Jae HJ, Lee W, Park JH. Transcatheter arterial chemoembolization of hepatocellular carcinoma:

- prevalence and causative factors of extrahepatic collateral arteries in 479 patients. *Korean J Radiol* 2006; Oct-Dec, 7(4):257-266.
108. Cho YK, **Chung JW**, Ahn YS, Park YO, Kim JK, Byun JH. Risk factors for local recurrence after segmental transarterial chemoembolization for hepatocellular carcinoma: the importance of tumor located in the segmental border zone. *Korean J Radiol* 2006 Oct-Dec;7(4):267-274.
 109. Chang JM, **Chung JW**, Jae HJ, Eh H, Son KR, Lee KC, Park JH. Local Toxicity of Hepatic Arterial Infusion of Hexokinase II Inhibitor, 3-Bromopyruvate: In Vivo Investigation in Normal Rabbit Model. *Acad Radiol*. 2007 Jan;14(1):85-92.
 110. Kim HC, **Chung JW**, Choi SH, Jae HJ, Lee W, Park JH. Internal mammary arteries supplying hepatocellular carcinoma: vascular anatomy at digital subtraction angiography in 97 patients. *Radiology* 2007 Mar;242(3):925-80.
 111. Lee KC, Moon WK, **Chung JW**, Choi SH, Cho N, Cha JH, Lee EH, Kim SM, Kim HS, Han MH, Chang KH. Assessment of lymph node metastases by contrast-enhanced MR imaging in a head and neck cancer model. *Korean J Radiol* 2007 Jan-Feb;8(1):9-14.
 112. Jae HJ, **Chung JW**, Jung AY, Lee W, Park JH. Transcatheter arterial embolization of nonvariceal upper gastrointestinal bleeding with N-butyl cyanoacrylate. *Korean J Radiol* 2007 Jan-Feb;8(1):48-56.
 113. Park EA, Lee JM, Kim SH, Lee MW, Han JK, Choi BI, Lee JY, Lee W, **Chung JW**, Park JH. Hepatic venous congestion after right-lobe living-donor liver transplantation: the added value of delayed-phase imaging on CT. *J Comput Assist Tomogr*. 2007 Mar-Apr;31(2):181-7.
 114. Park SH, Cho YK, Ahn YS, Park YO, Kim JK, **Chung JW**. Local recurrence of hepatocellular carcinoma after segmental transarterial chemoembolization: risk estimates based on multiple prognostic factors. *Korean J Radiol*. 2007 Mar-Apr;8(2):111-9.
 115. **Chung JW**, Kim HC, Choi YH, Kim SJ, Lee W, Park JH. Patterns of aortic involvement in Takayasu arteritis and its clinical implications: evaluation with spiral computed tomography angiography. *J Vasc Surg*. 2007 May;45(5):906-14.

116. Kim HC, **Chung JW**, Choi SH, Yoon JH, Lee HS, Jae HJ, Lee W, Park JH. Hepatocellular carcinoma with internal mammary artery supply: feasibility and efficacy of transarterial chemoembolization and factors affecting patient prognosis. *J Vasc Interv Radiol*. 2007 May;18(5):611-619.
117. Park HS, **Chung JW**, Jae HJ, Kim YI, Son KR, Lee MJ, Park JH, Kang WJ, Yoon JH, Chung H, Lee K. FDG-PET for evaluating the antitumor effect of intraarterial 3-bromopyruvate administration in a rabbit VX2 liver tumor model. *Korean J Radiol*. 2007 May-Jun;8(3):216-224.
118. Baek JH, **Chung JW**, Jae HJ, Lee W, Park JH. A new technique for superselective catheterization of arteries: preshaping of a micro-guide wire into a shepherd's hook form. *Korean J Radiol*. 2007 May-Jun;8(3):225-230.
119. Kim YI, **Chung JW**, Park JH. Feasibility of transcatheter arterial chemoembolization for hepatic adenoma. *J Vasc Interv Radiol*. 2007 Jul;18(7):862-7.
120. Kim SY, Park JH, **Chung JW**, Kim HC, Lee W, So YH, Jae HJ. Follow-up CT Evaluation of the Mural Changes in Active Takayasu Arteritis. *Korean J Radiol*. 2007 Jul-Aug;8(4):286-294.
121. Lee HY, **Chung JW**, Lee JM, Yoon CJ, Lee W, Jae HJ, Yin YH, Kang SG, Park JH. A new and simple practical plane dividing hepatic segment 2 and 3 of the liver: evaluation of its validity. *Korean J Radiol*. 2007 Jul-Aug;8(4):302-10.
122. Kim YI, **Chung JW**, Park JH, Kang GH, Lee M, Suh KS, Kim KG. Multiphase contrast-enhanced CT Imaging in hepatocellular carcinoma correlation with immunohistochemical angiogenic activities. *Acad Radiol*. 2007 Sep;14(9):1084-91.
123. Park EA, Lee W, Lee MW, Choi SI, Jae HJ, **Chung JW**, Park JH. Chronic-stage deep vein thrombosis of the lower extremities: indirect CT venographic findings. *J Comput Assist Tomogr*. 2007 July/August;31(4):649-656.
124. Jin KN, Lee W, Yin YH, Choi SI, Jae HJ, **Chung JW**, Park JH. Preoperative evaluation of lower extremity arteries for free fibula transfer using MDCT angiography. *J Comput Assist Tomogr*. 2007 Sep-Oct;31(5):820-5.

125. Yang SH, Yin YH, Jang JY, Lee SE, **Chung JW**, Suh KS, Lee KU, Kim SW. Assessment of Hepatic Arterial Anatomy in Keeping with Preservation of the Vasculature While Performing Pancreatoduodenectomy: An Opinion. *World J Surg.* 2007 Dec;31(12):2384-9.
126. Cho YK, **Chung JW**, Kim JK, Ahn YS, Kim MY, Park YO, Kim WT, Byun JH. Comparison of 7 staging systems for patients with hepatocellular carcinoma undergoing transarterial chemoembolization. *Cancer.* 2008 Jan 15;112(2):352-61.
127. Chun EJ, Lee W, Choi YH, Koo BK, Choi SI, Jae HJ, Kim HC, So YH, **Chung JW**, Park JH. Effects of nitroglycerin on the diagnostic accuracy of electrocardiogram-gated coronary computed tomography angiography. *J Comput Assist Tomogr.* 2008 Jan-Feb;32(1):86-92.
128. Youn BJ, **Chung JW**, Son KR, Kim HC, Jae HJ, Lee JM, Song IC, Kim IO, Park JH. Diffusion-Weighted MR Therapeutic Evaluation After Chemoembolization of VX-2 Carcinoma Implanted in Rabbit Liver. *Acad Radiol.* 2008 May;15(5):593-600.
129. Jae HJ, **Chung JW**, Kim HC, So YH, Lim HG, Lee W, Kim BK, Park JH. Experimental study on acute ischemic small bowel changes induced by superselective embolization of superior mesenteric artery branches with N-butyl cyanoacrylate. *J Vasc Interv Radiol.* 2008 May;19(5):755-63.
130. Kim TM, Kim JS, Han SW, Hong YS, Kim I, Ha J, Kim SJ, **Chung JW**, Park JH, Lee D, Park S, Kim BK, Kim NK, Yoon SS. Clinical predictors of recurrent venous thromboembolism: A single institute experience in Korea. *Thromb Res.* 2009;123(3):436-43.
131. Gwak GY, Yoon JH, Chie EK, **Chung JW**, Lee HS. Successful treatment for hepatocellular carcinoma with main portal vein tumor thrombi by 3-dimensional conformal radiation therapy combined with transarterial chemoembolization. *Hepato-Gastroenterology.* 2008 Mar-Apr;55(82-83):673-6.
132. Jin GY, Yu HC, Lim HS, Moon JI, Lee JH, **Chung JW**, Cho BH. Anatomical variations of the origin of the segment 4 hepatic artery and their clinical implications. *Liver Transpl.* 2008 Aug;14(8):1180-4.

133. Kim JI, Lee W, Kim SJ, Seo JW, **Chung JW**, Park JH. Primary congenital abdominal aortic aneurysm: a case report with perinatal serial follow-up imaging. *Pediatr Radiol*. 2008 Nov;38(11):1249-52.
134. Chai JW, Lee W, Yin YH, Jae HJ, **Chung JW**, Kim HH, Park JH. CT Angiography for living kidney donors: accuracy, cause of misinterpretation and prevalence of variation. *Korean J Radiol*. 2008 Jul-Aug;9(4):333-9.
135. Kim HC, **Chung JW**, Jae HJ, Jeon UB, Son KR, Park JH. Hepatocellular Carcinoma: Prediction of blood supply from an internal mammary artery with multi-detector row CT. *J Vasc Interv Radiol*. 2008 Oct;19(10):1419-25. (Featured article)
136. Yoon CJ, **Chung JW**, Cho BH, Jae HJ, Kang SG, Kim HC, Choi YH, Jeon UB, Park JH. Hepatocellular carcinoma in the caudate lobe of the liver: angiographic analysis of tumor-feeding arteries according to subsegmental location. *J Vasc Interv Radiol*. 2008 Nov; 19(11):1543-1550. (Featured article)
137. Lee W, **Chung JW**, Yin YH, Jae HJ, Kim SJ, Ha J, Park JH. Three-dimensional CT venography of varicose veins of the lower extremity: image quality and comparison with doppler sonography. *AJR Am J Roentgenol*. 2008 Oct;191(4):1186-91.
138. Kim HC, **Chung JW**, An S, Son KR, Jae HJ, Park JH. Hepatocellular carcinoma: detection of blood supply from the right inferior phrenic artery by the use of multi-detector row CT. *J Vasc Interv Radiol*. 2008 Nov; 19(11):1551-557.
139. Cho YK, Lee W, Choi SI, Jae HJ, **Chung JW**, Park JH. Cardiovascular Behcet disease: the variable findings of rare complications with CT angiography and conventional angiography and its interventional management. *J Comput Assist Tomogr*. 2008 Sep-Oct;32(5):679-89.
140. Park YJ, Choi JY, Min SK, Lee T, Jung IM, Chung JK, **Chung JW**, Park JH, Kim SJ, Ha J. Restoration of patency in iliofemoral deep vein thrombosis with catheter-directed thrombolysis does not always prevent post-thrombotic damage. *Eur J Vasc Endovasc Surg*. 2008 Dec;36(6):725-730.

141. Kim YI, **Chung JW**. Selective or targeted gene/drug delivery for liver tumors: advantages and current status of local delivery. *Expert Rev Gastroenterol Hepatol* 2008 Dec;2(6):791-802
142. Lee IJ, **Chung JW**, Kim HC, Yin YH, So YH, Jeon UB, Jae HJ, Cho BH, Park JH. Extrahepatic collateral artery supply to the tumor thrombi of hepatocellular carcinoma invading inferior vena cava: the prevalence and determinant factors. *J Vasc Interv Radiol*. 2009 Jan;20(1):22-9.
143. Park HC, Kim CW, Ro H, Moon JY, Oh KH, Kim Y, Lee JS, Yin YH, Jae HJ, **Chung JW**, Ahn C, Hwang YH. Transcatheter arterial embolization therapy for a massive polycystic liver in autosomal dominant polycystic kidney disease patients. *J Korean Med Sci*. 2009 Feb;24(1):57-61.
144. Jung SC, Lee W, Chung JW, Jae HJ, Park EA, Jin KN, Shin CI, Park JH. Unusual causes of varicose veins in the lower extremities: CT venographic and Doppler US findings. *Radiographics*. 2009 Mar-Apr;29(2):525-36.
145. Lee DH, **Chung JW**, Kim HC, Jae HJ, Yoon CJ, Kang SG, Jeon UB, So YH, Yin YH, Park JH. Development of diaphragmatic weakness after transcatheter arterial chemoembolization of the right inferior phrenic artery: frequency and determinant factors. *J Vasc Interv Radiol*. 2009 Apr;20(4):484-9.
146. Park EA, Lee W, Kang JH, Yin YH, **Chung JW**, Park JH. The image quality and radiation dose of 100-kVp versus 120-kVp ECG-gated 16-slice CT coronary angiography. *Korean J Radiol*. 2009 May-Jun;10(3):235-43.
147. Baek JH, Lee W, Chang KH, **Chung JW**, Park JH. Optimization of the scan protocol for the reduction of diaphragmatic motion artifacts depicted on CT angiography: a phantom study simulating pediatric patients with free breathing. *Korean J Radiol*. 2009 May-Jun;10(3):260-8.
148. Kim HC, **Chung JW**, Park JH, An S, Son KR, Seong NJ, Jae HJ. Transcatheter arterial chemoembolization for hepatocellular carcinoma: prospective assessment of the right inferior phrenic artery with C-arm CT. *J Vasc Interv Radiol*. 2009 Jul;20(7):888-95. (Featured article)

149. Wi JY, Kim HC, **Chung JW**, Jun JK, Jae HJ, Park JH. Importance of angiographic visualization of round ligament arteries in women evaluated for intractable vaginal bleeding after uterine artery embolization. *J Vasc Interv Radiol*. 2009 Aug;20(8):1031-5. (Featured article)
150. Park JH, Kim HC, **Chung JW**, Jae HJ, Park JH. Transcatheter arterial embolization of arterial esophageal bleeding with the use of N-butyl cyanoacrylate. *Korean J Radiol*. 2009 Jul-Aug;10(4):361-5.
151. Joo I, Kim HC, **Chung JW**, Jae HJ, Park JH. Risk factors for rebleeding after angiographically negative acute gastrointestinal bleeding. *World J Gastroenterol*. 2009 Aug 28;15(32):4023-7.
152. So YH, **Chung JW**, Yin Y, Jae HJ, Jeon UB, Cho BH, Kim HC, Park JH. The Right Inferior Phrenic Artery: Origin and Proximal Anatomy on Digital Subtraction Angiography and Thin-section Helical Computed Tomography. *J Vasc Interv Radiol*. 2009 Sep;20(9):1164-71.
153. Kim HC, **Chung JW**, An S, Seong NJ, Jae HJ, Cho BH, Park JH. Left inferior phrenic artery feeding hepatocellular carcinoma: angiographic anatomy using C-arm CT. *AJR Am J Roentgenol*. 2009 Oct;193(4):W288-94.
154. Jin KN, Lee W, Jae HJ, Yin YH, **Chung JW**, Park JH. Venous reflux from the pelvis and vulvoperineal region as a possible cause of lower extremity varicose veins: diagnosis with computed tomographic and ultrasonographic findings. *J Comput Assist Tomogr*. 2009 Sep-Oct;33(5):763-9.
155. Jae HJ, **Chung JW**, Park HS, Lee MJ, Lee KC, Kim HC, Yoon JH, Chung H, Park JH. The antitumor effect and hepatotoxicity of a hexokinase II inhibitor 3-bromopyruvate: in vivo investigation of intraarterial administration in a rabbit VX2 hepatoma model. *Korean J Radiol*. 2009 Nov-Dec;10(6):596-603.
156. Jin KN, Park EA, Shin CI, Lee W, **Chung JW**, Park JH. Retrospective versus prospective ECG-gated dual-source CT in pediatric patients with congenital heart diseases: comparison of image quality and radiation dose. *Int J Cardiovasc Imaging*. 2010 Feb;26 Suppl 1:63-73.
157. Yoon JH, Kim HC, **Chung JW**, Yoon JH, Jae HJ, Park JH. CT findings of completely regressed hepatocellular carcinoma with main portal vein

- tumor thrombosis after transcatheter arterial chemoembolization. *Korean J Radiol.* 2010 Jan-Feb;11(1):69-74.
158. Yu HC, Jin ZW, Jin GY, You H, Moon JI, **Chung JW**, Hwang S, Cho BH. Identification of the anterior sectoral trunk with particular reference to the hepatic hilar plate and its clinical importance. *Surgery.* 2011 Feb;149(2):291-6.
159. Cho YK, Kim JK, Kim WT, **Chung JW**. Hepatic resection versus radiofrequency ablation for very early stage hepatocellular carcinoma: A Markov model analysis. *Hepatology.* 2010 Apr;51(4):1284-90.
160. Park EA, Lee W, Chung SY, Yin YH, **Chung JW**, Park JH. Optimal scan timing and intravenous route for contrast-enhanced computed tomography in patients after Fontan operation. *J Comput Assist Tomogr.* 2010 Jan;34(1):75-81.
161. Park SJ, **Chung JW**, Kim HC, Jae HJ, Park JH. The Prevalence, Risk Factors, and Clinical Outcome of Balloon Rupture in Balloon-occluded Retrograde Transvenous Obliteration of Gastric Varices. *J Vasc Interv Radiol.* 2010 Apr;21(4):503-7.
162. Song SY, **Chung JW**, Yin YH, Jae HJ, Kim HC, Jeon UB, Cho BH, So YH, Park JH. Celiac axis and common hepatic artery variations in 5002 patients: systematic analysis with spiral CT and DSA. *Radiology.* 2010 Apr;255(1):278-88.
163. Kim HC, **Chung JW**, Kim WH, An S, Seong NJ, Jae HJ, Park JH. Chemoembolization of the left inferior phrenic artery in patients with hepatocellular carcinoma: 9-year single-center experience. *AJR Am J Roentgenol.* 2010 Apr;194(4):1124-30.
164. Choi SH, **Chung JW**, Kim HC, Baek JH, Park CM, Jun S, Kim MU, Lee ES, Cho HR, Jae HJ, Lee W, Park JH. The Role of Perfusion CT as a Follow-up Modality After Transcatheter Arterial Chemoembolization: An Experimental Study in a Rabbit Model. *Invest Radiol.* 2010 Jul;45(7):427-36.
165. Kim HC, **Chung JW**, Lee IJ, An S, Seong NJ, Son KR, Jae HJ, Park JH. Intercostal Artery Supplying Hepatocellular Carcinoma: Demonstration of a Tumor Feeder by C-arm CT and Multidetector Row CT. *Cardiovasc Intervent Radiol.* 2011 Feb;34(1): :87-91.

166. Lee HW, Suh KS, Kim J, Shin WY, Yi NJ, Jae HJ, **Chung JW**, Oh SW, Kang KW, Lee KU. Pulmonary artery embolotherapy in a patient with type I hepatopulmonary syndrome after liver transplantation. *Korean J Radiol.* 2010 Jul;11(4):485-9.
167. Kim HC, **Chung JW**, Jae HJ, Yoon JH, Lee JH, Kim YJ, Lee HS, Yoon CJ, Park JH. Caudate lobe hepatocellular carcinoma treated with selective chemoembolization. *Radiology.* 2010 Oct; 257(1):278-287.
168. Jeon UB, **Chung JW**, Jae HJ, Kim HC, Kim SJ, Ha J, Park JH. May-Thurner syndrome complicated by acute iliofemoral vein thrombosis: helical CT venography for evaluation of long-term stent patency and changes in the iliac vein. *AJR Am J Roentgenol.* 2010 Sep;195(3):751-7.
169. Kim KW, Cho JY, Kim SH, Yoon JH, Kim DS, **Chung JW**, Park JH. Diagnostic value of computed tomographic findings of nutcracker syndrome: correlation with renal venography and renocaval pressure gradients. *Eur J Radiol.* 2011 Dec;80(3):648-54.
170. Lee DH, Lee W, Kim KB, Cho KR, Park EA, **Chung JW**, Park JH. Availability of the right gastroepiploic artery for coronary artery bypass grafting: preoperative multidetector CT evaluation. *Int J Cardiovasc Imaging.* 2010 Dec;26(Suppl 2):303-10.
171. Kim SC, Kim HC, **Chung JW**, Jae HJ, Park JH. Percutaneous transumbilical portal vein embolization in a patient with a ruptured hepatocellular carcinoma supplied by the portal vein. *Cardiovasc Intervent Radiol.* 2011 Feb;34 Suppl 2:S214-7. (case report)
172. Kim HC, **Chung JW**, Choi SH, Im SA, Yamasaki Y, Jun S, Jae HJ, Park JH. Augmentation of chemotherapeutic infusion effect by TSU-68, an oral targeted antiangiogenic agent, in a rabbit VX2 liver tumor model. *Cardiovasc Intervent Radiol.* 2012 Feb;35(1):168-75.
173. Kim HC, **Chung JW**, An S, Seong NJ, Son KR, Jae HJ, Park JH. Transarterial chemoembolization of a colic branch of the superior mesenteric artery in patients with unresectable hepatocellular carcinoma. *J Vasc Interv Radiol.* 2011 Jan;22(1):47-54.
174. Joo I, Park EA, Kim KH, Lee W, **Chung JW**, Park JH. MDCT differentiation between bicuspid and tricuspid aortic valves in patients with aortic valvular disease: correlation with surgical findings. *Int J Cardiovasc Imaging.* 2012 Jan;28(1):171-82.

175. Choi YH, **Chung JW**, Son KR, So YH, Kim W, Yoon CJ, Yoon JH, Chung H, Kim HC, Jae HJ, Kim YI, Park JH. Novel intraarterial therapy for liver cancer using ethylbromopyruvate dissolved in an iodized oil. *Acad Radiol*. 2011 Apr;18(4):471-8.
176. Chung GE, Lee JH, Kim HY, Hwang SY, Kim JS, **Chung JW**, Yoon JH, Lee HS, Kim YJ. Transarterial chemoembolization can be safely performed in patients with hepatocellular carcinoma invading the main portal vein and may improve the overall survival. *Radiology*. 2011 Feb;258(2):627-34.
177. Choi JW, Kim HC, **Chung JW**, Kim JD, Kim GM, Lee IJ, Jae HJ, Park JH. Chemoembolization via branches from the splenic artery in patients with hepatocellular carcinoma. *Cardiovasc Intervent Radiol*. 2012 Feb;35(1):90-6.
178. Lee IJ, **Chung JW**, Hong H, Yin YH, Kim S, Park EA, Lee W. Subtraction CT angiography of the lower extremities: single volume subtraction versus multi-segmented volume subtraction. *Acad Radiol*. 2011 Jul;18(7):902-9.
179. Sarin SK, Kumar A, Angus PW, Bajjal SS, Baik SK, Bayraktar Y, Chawla YK, Choudhuri G, **Chung JW**, de Franchis R, de Silva HJ, Garg H, Garg PK, Helmy A, Hou MC, Jafri W, Jia JD, Lau GK, Li CZ, Lui HF, Maruyama H, Pandey CM, Puri AS, Rerknimitr R, Sahni P, Saraya A, Sharma BC, Sharma P, Shiha G, Sollano JD, Wu J, Xu RY, Yachha SK, Zhang C; Asian Pacific Association for the Study of the Liver (APASL) Working Party on Portal Hypertension. Diagnosis and management of acute variceal bleeding: Asian Pacific Association for Study of the Liver recommendations. *Hepatol Int*. 2011 Jun;5(2):607-24.
180. Yoo DH, Jae HJ, Kim HC, **Chung JW**, Park JH. Transcatheter arterial embolization of intramuscular active hemorrhage with N-Butyl cyanoacrylate. *Cardiovasc Intervent Radiol*. 2012 Apr;35(2):292-8.
181. Min SI, Yoon KC, Min SK, Ahn SH, Jae HJ, **Chung JW**, Ha J, Kim SJ. Current strategy for the treatment of symptomatic spontaneous isolated dissection of superior mesenteric artery. *J Vasc Surg*. 2011 Aug;54(2):461-6.
182. Moon JH, Park EA, Lee W, Yin YH, **Chung JW**, Park JH, Lee HY, Kang HJ, Kim HS. The diagnostic accuracy, image quality and radiation

- dose of 64-slice dual-source CT in daily practice: a single institution's experience. *Korean J Radiol.* 2011 May;12(3):308-18.
183. Park EA, **Chung JW**, Lee W, Yin YH, Ha J, Kim SJ, Park JH. Three-dimensional evaluation of the anatomic variations of the femoral vein and popliteal vein in relation to the accompanying artery by using CT venography. *Korean J Radiol.* 2011 May;12(3):327-40.
 184. Kim MU, Kim HC, **Chung JW**, An S, Seong NJ, Jae HJ, Park JH. Hepatocellular carcinoma: prediction of blood supply from an intercostal artery with multidetector row computed tomography. *J Vasc Interv Radiol.* 2011 Oct;22(10):1403-1408.e1.
 185. Kim SY, Kim HC, Oh MD, **Chung JW**, Kim SJ, Min SK. Successful percutaneous thrombectomy of an infected vena-caval thrombus due to a toothpick. *J Vasc Surg.* 2011 Nov;54(5):1498-500. (case report)
 186. Cho YK, **Chung JW**, Kim Y, Cho HJ, Yang SH. Radiofrequency ablation of high grade dysplastic nodules. *Hepatology.* 2011 Dec;54(6):2005-11.
 187. Kim GM, Kim HC, **Chung JW**, Lee IJ, Kim HM, Jae HJ, Park JH. Chemoembolization for hepatocellular carcinoma supplied exclusively by the hepatic falciform artery. *Cardiovasc Intervent Radiol.* 2012 Aug;35(4):845-51.
 188. Kim YI, **Chung JW**, Kim HB, Park JH, Seo JW, Kim HC, Jae HJ, Lee W. Placement of endovascular stent across the branching arteries: long-term serial evaluation of stent-tissue responses overlying the arterial orifices in an experimental study. *Cardiovasc Intervent Radiol.* 2012 Oct;35(5):1154-62.
 189. Hur S, Kim HC, **Chung JW**, Kim MU, Kim JD, Kim GM, Lee IJ, Kim YI, Jae HJ, Park JH. Hepatocellular carcinomas smaller than 4 cm supplied by the intercostal artery: can we predict which intercostal artery supplies the tumor? *Korean J Radiol.* 2011 Nov;12(6):693-9.
 190. Dake MD, Scheinert D, Tepe G, Tessarek J, Fanelli F, Bosiers M, Ruhlmann C, Kavteladze Z, Lottes AE, Ragheb AO, Zeller T; Zilver PTX Single-Arm Study Investigators. Nitinol stents with polymer-free paclitaxel coating for lesions in the superficial femoral and popliteal arteries above the knee: twelve-month safety and effectiveness results

- from the Zilver PTX single-arm clinical study. *J Endovasc Ther.* 2011 Oct;18(5):613-23.
191. Chu HH, Kim HC, Jae HJ, Yi NJ, Lee KW, Suh KS, **Chung JW**, Park JH. Percutaneous transsplenic access to the portal vein for management of vascular complication in patients with chronic liver disease. *Cardiovasc Intervent Radiol.* 2012 Dec;35(6):1388-95.
192. Park EA, Lee W, Kim KW, Kim KG, Thomas A, **Chung JW**, Park JH. Iterative reconstruction of dual-source coronary CT angiography: assessment of image quality and radiation dose. *Int J Cardiovasc Imaging.* 2012 Oct;28(7):1775-86.
193. Han KH, Kudo M, Ye SL, Choi JY, Poon RT, Seong J, Park JW, Ichida T, **Chung JW**, Chow P, Cheng AL. Asian consensus workshop report: expert consensus guideline for the management of intermediate and advanced hepatocellular carcinoma in Asia. *Oncology.* 2011;81 Suppl 1:158-64.
194. Seong NJ, **Chung JW**, Kim HC, Park JH, Jae HJ, An SB, Cho BH. Right gastric venous drainage: angiographic analysis in 100 patients. *Korean J Radiol.* 2012 Jan;13(1):53-60.
195. So YH, Choi YH, **Chung JW**, Jae HJ, Song SY, Park JH. Selective embolization for post-endoscopic sphincterotomy bleeding: technical aspects and clinical efficacy. *Korean J Radiol.* 2012 Jan;13(1):73-81.
196. Seong NJ, Yoon CJ, Kang SG, **Chung JW**, Kim HC, Park JH. Effects of arsenic trioxide on radiofrequency ablation of VX2 liver tumor: intraarterial versus intravenous administration. *Korean J Radiol.* 2012 Mar;13(2):195-201.
197. Min SI, Min SK, Ahn S, Kim SM, Park D, Park T, **Chung JW**, Park JH, Ha J, Kim SJ, Jung IM. Comparison of costs of endovascular repair versus open surgical repair for abdominal aortic aneurysm in Korea. *J Korean Med Sci.* 2012 Apr;27(4):416-22.
198. Ahn SJ, Kim HC, **Chung JW**, An SB, Yin YH, Jae HJ, Park JH. Ultrasound and fluoroscopy-guided placement of central venous ports via internal jugular vein: retrospective analysis of 1254 port implantations at a single center. *Korean J Radiol.* 2012 May;13(3):314-23.

199. Lee IJ, Kim YI, Kim KW, Kim DH, Ryoo I, Lee MW, **Chung JW**. Radiofrequency ablation combined with transcatheter arterial embolisation in rabbit liver: investigation of the ablation zone according to the time interval between the two therapies. *Br J Radiol*. 2012 Nov;85(1019):e987-94.
200. Song YS, Lee W, Park EA, **Chung JW**, Park JH. Anatomy of the Sinoatrial Nodal Branch in Korean Population: Imaging with MDCT. *Korean J Radiol*. 2012 Sep;13(5):572-8.
201. Kim HB, Choi YH, So YH, Min SK, Kim HC, Kim YI, Park JH, **Chung JW**. Tissue responses to endovascular stent grafts for saccular abdominal aortic aneurysms in a canine model. *J Korean Med Sci*. 2012 Oct;27(10):1170-6.
202. Kim H, Park EA, Lee W, **Chung JW**, Park JH. Multiple cerebral and coronary aneurysms in a patient with left atrial myxoma. *Int J Cardiovasc Imaging*. 2012 Dec;28 Suppl 2:129-32. (case report)
203. Kim H, Park EA, Lee W, **Chung JW**, Park JH, Kim GB, Kim WH. Magnetic resonance imaging findings of isolated right ventricular hypoplasia. *Int J Cardiovasc Imaging*. 2012 Dec;28 Suppl 2:149-52.
204. Jung SC, Lee W, Park EA, Jae HJ, **Chung JW**, Park JH. Spontaneous dissection of the splanchnic arteries: CT findings, treatment, and outcome. *AJR Am J Roentgenol*. 2013 Jan;200(1):219-25.
205. Kang B, Kim HC, **Chung JW**, Hur S, Joo SM, Jae HJ, Park JH. Safety of chemotherapeutic infusion or chemoembolization for hepatocellular carcinoma supplied exclusively by the cystic artery. *Cardiovasc Intervent Radiol*. 2013 Oct;36(5):1313-9.
206. Cho HR, Choi JW, Kim HC, Song YS, Kim GM, Son KR, **Chung JW**. Sprague-Dawley rats bearing McA-RH7777 cells for study of hepatoma and transarterial chemoembolization. *Anticancer Res*. 2013 Jan;33(1):223-30.
207. Jang ES, Yoon JH, **Chung JW**, Cho EJ, Yu SJ, Lee JH, Kim YJ, Lee HS, Kim CY. Survival of infiltrative hepatocellular carcinoma patients with preserved hepatic function after treatment with transarterial chemoembolization. *J Cancer Res Clin Oncol*. 2013 Apr;139(4):635-43.

208. Kim HC, Lee JH, **Chung JW**, Kang B, Yoon JH, Kim YJ, Lee HS, Jae HJ, Park JH. Transarterial chemoembolization with additional Cisplatin infusion for hepatocellular carcinoma invading the hepatic vein. *J Vasc Interv Radiol*. 2013 Feb;24(2):274-83.
209. Joo SM, Kim HC, Min SI, Hur S, Jae HJ, **Chung JW**, Park JH. Recanalization of thrombosed arteriovenous fistulas for hemodialysis by minimal venotomy. *J Vasc Interv Radiol*. 2013 Mar;24(3):401-5.
210. Ikeda M, Arai Y, Park SJ, Takeuchi Y, Anai H, Kim JK, Inaba Y, Aramaki T, Kwon SH, Yamamoto S, Okusaka T. Prospective study of transcatheter arterial chemoembolization for unresectable hepatocellular carcinoma: an Asian cooperative study between Japan and Korea. *J Vasc Interv Radiol*. 2013 Apr;24(4):490-500.
211. Hur S, **Chung JW**, Kim HC, Oh DY, Lee SH, Bang YJ, Kim WH. Survival outcomes and prognostic factors of transcatheter arterial chemoembolization for hepatic neuroendocrine metastases. 2013 Jul;24(7):947-56.
212. Choi JW, Kim H, Kim HC, Lee Y, Kwon J, Yoo RE, Cho HR, Choi SH, **Chung JW**. Blood oxygen level-dependent MRI for evaluation of early response of liver tumors to chemoembolization: an animal study. *Anticancer Res*. 2013 May;33(5):1887-92.
213. Woo S, **Chung JW**, Hur S, Joo SM, Kim HC, Jae HJ, Park JH. Liver abscess after transarterial chemoembolization in patients with bilioenteric anastomosis: frequency and risk factors. *AJR Am J Roentgenol*. 2013 Jun;200(6):1370-7.
214. Park EA, Lee W, Na SH, **Chung JW**, Park JH. Left ventricular fat deposition on CT in patients without proven myocardial disease. *Int J Cardiovasc Imaging*. 2013 Jun 25, Volume 29, Supplement 1, pp 37-45
215. Woo S, Yoon CJ, **Chung JW**, Kang SG, Jae HJ, Kim HC, Seong NJ, Kim YJ, Woo YN. Bronchial artery embolization to control hemoptysis: comparison of n-butyl-2-cyanoacrylate and polyvinyl alcohol particles. *Radiology*. 2013 Nov;269(2):594-602.
216. Lee IJ, Ahn CH, Cha EJ, Chung IJ, **Chung JW**, Kim YI. Improved Drug Targeting to Liver Tumors After Intra-arterial Delivery Using Superparamagnetic Iron Oxide and Iodized Oil: Preclinical Study in a Rabbit Model. *Invest Radiol*. 2013 Dec;48(12):826-33.

217. Choi J, Ryu JK, Lee SH, Hwang JH, Ahn DW, Kim YT, Yoon YB, Yoon CJ, Kang SG, **Chung JW**. Palliative treatment of unresectable hepatocellular carcinoma with obstructive jaundice using biliary drainage with subsequent transarterial chemoembolization. *J Palliat Med*. 2013 Sep;16(9):1026-33.
218. Yu MH, Kim JH, Yoon JH, Kim HC, Chung JW, Han JK, Choi BI. Role of C-Arm CT for Transcatheter arterial chemoembolization of hepatocellular carcinoma: diagnostic performance and predictive value for therapeutic response compared with gadoxetic acid-enhanced MRI. *AJR Am J Roentgenol*. 2013 Sep;201(3):675-83.
219. Kim DY, Park BJ, Kim YH, Han KH, Cho SB, Cho KR, Uhm SH, Choe JG, Choi JY, Chun HJ, Lee HC, Gwon DI, Lee KH, Yoon JH, **Chung JW**, Kim CW, Heo J, Kim JK, Joo YE. Radioembolization with yttrium-90 resin microspheres in hepatocellular carcinoma: a multicenter prospective study *Am J Clin Oncol*. 2015 Oct;38(5):495-501.
220. Lee SM, Lee W, **Chung JW**, Park EA, Park JH. Effect of kVp on image quality and accuracy in coronary CT angiography according to patient body size: a phantom study. *Int J Cardiovasc Imaging*. 2013 Dec;29 Suppl 2:83-91.
221. Kang B, Kim HC, **Chung JW**, Hur S, Jae HJ, Park JH. The origin of the cystic artery supplying hepatocellular carcinoma on digital subtraction angiography in 311 patients. *Cardiovasc Intervent Radiol*. 2014 Oct;37(5):1268-82.
222. Shin CI, Kim HC, Song YS, Cho HR, Lee KB, Lee W, Jae HJ, **Chung JW**. Rat model of hindlimb ischemia induced via embolization with polyvinyl alcohol and N-butyl cyanoacrylate. *Korean J Radiol*. 2013 Nov-Dec;14(6):923-30.
223. Chu HH, Kim HC, **Chung JW**, Lee JH, Yu SJ, Hur S, Jae HJ, Park JH. Repeated intra-arterial therapy via the cystic artery for hepatocellular carcinoma. *Cardiovasc Intervent Radiol*. 2014 Oct;37(5):1283-91.
224. Hur S, Jae HJ, Lee M, Kim HC, **Chung JW**. Safety and efficacy of transcatheter arterial embolization for lower gastrointestinal bleeding: a single-center experience with 112 Patients. *J Vasc Interv Radiol*. 2014 Jan;25(1):10-9.

225. Shin SU, Lee W, Park EA, Shin CI, **Chung JW**, Park JH. Comparison of characteristic CT findings of lymphedema, cellulitis, and generalized edema in lower leg swelling. *Int J Cardiovasc Imaging*. 2013 Dec;29 Suppl 2:135-43.
226. Yang HJ, Lee JH, Lee DH, Yu SJ, Kim YJ, Yoon JH, Kim HC, Lee JM, **Chung JW**, Yi NJ, Lee KW, Suh KS, Lee HS. Small single-nodule hepatocellular carcinoma: comparison of transarterial chemoembolization, radiofrequency ablation, and hepatic resection by using inverse probability weighting. *Radiology*. 2014 Jun;271(3):909-18.
227. Yu MH, Kim JH, Yoon JH, Kim HC, **Chung JW**, Han JK, Choi BI. Small (≤ 1 -cm) hepatocellular carcinoma: diagnostic performance and imaging features at gadoxetic acid-enhanced MR imaging. *Radiology*. 2014 Jun;271(3):748-60.
228. Cho E1, Kim HC, Lee JH, Jeong-Ju Yoo, Choi WM, Cho YY, Lee MJ, Cho Y, Lee DH, Lee YB, Yu SJ, Kim YJ, Yoon JH, **Chung JW**, Kim CY, Lee HS. Serum insulin-like growth factor-1 predicts disease progression and survival in patients with hepatocellular carcinoma who undergo transarterial chemoembolization. *PLoS One*. 2014 Mar 4;9(3):e90862..
229. Kim YK, Park EA, Park SJ, Cheon GJ, Lee W, **Chung JW**, Park JH. Non-Ischemic perfusion defects due to delayed arrival of contrast material on stress perfusion cardiac magnetic resonance imaging after coronary artery bypass graft surgery. *Korean J Radiol*. 2014 Mar;15(2):188-94.
230. Kim YI, Kim KW, Lee HK, Park J, **Chung JW**, Youn H, Kim SJ, Kim DH, Tseng JC, Lee JM. Enhanced efficacy of CKD-516 in combination with doxorubicin: pre-clinical evaluation using a hepatocellular carcinoma xenograft model. *Anticancer Res*. 2014 Apr;34(4):1715-22.
231. Choi WS, Kim HC, Hur S, Choi JW, Lee JH, Yu SJ, **Chung JW**. Role of C-Arm CT in identifying caudate arteries supplying hepatocellular carcinoma. *J Vasc Interv Radiol*. 2014 Sep;25(9):1380-8.
232. Kim HM, Kim HC, Woo S, Son KR, Cho SW, **Chung JW**. Chemoembolization for hepatocellular carcinoma supplied by a lumbar artery. *Cardiovasc Intervent Radiol*. 2015 Feb;38(1):121-8.

233. Lee IJ, **Chung JW**, Yin YH, Kim HC, Kim YI, Jae HJ, Park JH. Cone-beam CT hepatic arteriography in chemoembolization for hepatocellular carcinoma: angiographic image quality and its determining factors. *J Vasc Interv Radiol*. 2014 Sep;25(9):1369-79.
234. Woo S, Kim HC, **Chung JW**, Jung HS, Hur S, Lee M, Jae HJ. Chemoembolization of extrahepatic collateral arteries for treatment of hepatocellular carcinoma in the caudate lobe of the liver. *Cardiovasc Intervent Radiol*. 2015 Apr;38(2):389-96.
235. Choi JW, Kim HC, Jae HJ, Jung HS, Hur S, Lee M, **Chung JW**. Transcatheter embolotherapy with n-butyl cyanoacrylate for ectopic varices. *Cardiovasc Intervent Radiol*. 2015 Apr;38(2):344-51.
236. Kim SH, Kim HC, Hur S, Lee M, Jung HS, Jae HJ, **Chung JW**. Chemoembolization via the left internal mammary artery supplying hepatocellular carcinoma. *J Vasc Interv Radiol*. 2014 Sep;25(9):1389-1397.e1.
237. Kim YK, Park EA, Lee W, Kim SY, **Chung JW**. Late gadolinium enhancement magnetic resonance imaging for the assessment of myocardial infarction: comparison of image quality between single and double doses of contrast agents. *Int J Cardiovasc Imaging*. 2014 Dec;30 Suppl 2:129-35.
238. Kim YI, Choi YH, **Chung JW**, Kim HC, So YH, Kim HB, Min SK, Park JH. Tissue responses to stent grafts with endo-exo-skeleton for saccular abdominal aortic aneurysms in a canine model. *Korean J Radiol*. 2014 Sep;15(5):622-9.
239. Cho YJ, Kim HC, Kim YW, Hur S, Jae HJ, **Chung JW**. Percutaneous access via the recanalized paraumbilical vein for varix embolization in seven patients. *Korean J Radiol*. 2014 Sep;15(5):630-6.
240. Lee JH, Kim HY, Kim YJ, Yoon JH, **Chung JW**, Lee HS. BCLC system provides the best discrimination ability for survival of untreated hepatocellular carcinoma patients in an HBV-endemic area. *J Gastroenterol Hepatol*. 2015 Apr;30(4):696-705
241. Choi JW, Jae HJ, Kim HC, Min SI, Min SK, Lee W, **Chung JW**. CT venography for deep venous thrombosis: Can it predict catheter-directed

- thrombolysis prognosis in patients with iliac vein compression syndrome? *Int J Cardiovasc Imaging*. 2015 Feb;31(2):417-26.
242. Kim HC, **Chung JW**. Shepherd's hook technique for superselective catheterization of hepatic arteries. *J Vasc Interv Radiol*. 2014 Dec;25(12):1993-6.
243. Choi JW, **Chung JW**, Cho YK, Kim YJ, Yoon JH, Kim HC, Jae HJ. Transarterial chemoembolization for hepatocellular carcinomas with central bile duct invasion: safety, prognosis, and predictive factors. *Cardiovasc Intervent Radiol*. 2015 Aug;38(4):937-45.
244. Choi JW, Cho HJ, Park JH, Baek SY, **Chung JW**, Kim DD, Kim HC. Comparison of drug release and pharmacokinetics after transarterial chemoembolization using diverse lipiodol emulsions and drug-eluting beads. *PLoS One*. 2014 Dec 31;9(12):e115898.
245. Park EA, Lee W, Kim HK, **Chung JW**. Effect of papillary muscles and trabeculae on left ventricular measurement using cardiovascular magnetic resonance imaging in patients with hypertrophic cardiomyopathy. *Korean J Radiol*. 2015 Jan-Feb;16(1):4-12.
246. Lim J, Park EA, Lee W, Shim H, **Chung JW**. Image quality and radiation reduction of 320-row area detector CT coronary angiography with optimal tube voltage selection and an automatic exposure control system: comparison with body mass index-adapted protocol. *Int J Cardiovasc Imaging*. 2015 Jun;31 Suppl 1:23-30.
247. Jeon MJ, Ahn CH, Kim H, Chung IJ, Jung S, Kim YH, Youn H, **Chung JW**, Kim YI. The intratumoral administration of ferucarbotran conjugated with doxorubicin improved therapeutic effect by magnetic hyperthermia combined with pharmacotherapy in a hepatocellular carcinoma model. *J Exp Clin Cancer Res*. 2014 Jul 18;33:57.
248. Lee IJ, **Chung JW**, Yin YH, Kim HC, Kim YI, Jae HJ, Park JH. Cone-beam computed tomography (CBCT) hepatic arteriography in chemoembolization for hepatocellular carcinoma: performance depicting tumors and tumor feeders. *Cardiovasc Intervent Radiol*. 2015 Oct;38(5):1218-30.
249. Choi JW, Kim HC, Baek SY, Ryu YJ, **Chung JW**. A metastatic hepatoma model of rats using the 13762-MAT-B-III cell line: basic

- characteristics and potential as a tool for interventional oncology experiments. *Anticancer Res.* 2015 Mar;35(3):1333-8.
250. Lee YB, Lee DH, Cho Y, Yu SJ, Lee JH, Yoon JH, Lee HS, Kim HC, Yi NJ, Lee KW, Suh KS, **Chung JW**, Kim YJ. Comparison of transarterial chemoembolization and hepatic resection for large solitary hepatocellular carcinoma: a propensity score analysis. *J Vasc Interv Radiol.* 2015 May;26(5):651-9.
251. Korean Liver Cancer Study Group (KLCSG); National Cancer Center, Korea (NCC). 2014 Korean Liver Cancer Study Group-National Cancer Center Korea practice guideline for the management of hepatocellular carcinoma. *Korean J Radiol.* 2015 May-Jun;16(3):465-522.
252. Korean Liver Cancer Study Group (KLCSG); National Cancer Center, Korea (NCC). 2014 KLCSG-NCC Korea practice guideline for the management of hepatocellular carcinoma. *Gut Liver.* 2015 May 23;9(3):267-317.
253. Song YS, Paeng JC, Kim HC, **Chung JW**, Cheon GJ, Chung JK, Lee DS, Kang KW. PET/CT-based dosimetry in 90Y-microsphere selective internal radiation therapy: single cohort comparison with pretreatment planning on (99m)Tc-MAA imaging and correlation with treatment efficacy. *Medicine (Baltimore).* 2015 Jun;94(23):e945.
254. Choi KS, Kim JD, Kim HC, Min SI, Min SK, Jae HJ, **Chung JW**. Percutaneous aspiration embolectomy using guiding catheter for the superior mesenteric artery embolism. *Korean J Radiol.* 2015 Jul-Aug;16(4):736-43.
255. Choi JW, Jae HJ, Kim HC, Yi NJ, Lee KW, Suh KS, **Chung JW**. Long-term outcome of endovascular intervention in hepatic venous outflow obstruction following pediatric liver transplantation. *Liver Transpl.* 2015 Sep;21(9):1219-26.
256. Jun H, Park EA, Bahn YE, Lee W, Kim HK, **Chung JW**. Quantification of tricuspid regurgitation using two-dimensional velocity encoding cine: optimal plane and reproducibility. *Int J Cardiovasc Imaging.* 2015 Dec;31 Suppl 2:233-40.
257. Kim GM, Kim HC, Hur S, Lee M, Jae HJ, **Chung JW**. Sloughing of biliary tumour ingrowth of hepatocellular carcinoma after chemoembolization. *Eur Radiol.* 2016 Jun;26(6):1760-5

258. Kim TH, Kim HC, Hur S, **Chung JW**. Successful percutaneous thrombectomy of aortic tumor emboli extending into the origin of the superior mesenteric artery with half-deployment of a nitinol stent. *J Vasc Interv Radiol*. 2015 Oct;26(10):1442-3.
259. Kang HJ, Kim YI, Kim HC, Jae HJ, Hur S, **Chung JW**. Does establishing a safety margin reduce local recurrence in subsegmental transarterial chemoembolization for small nodular hepatocellular carcinomas? *Korean J Radiol*. 2015 Sep-Oct;16(5):1068-78.
260. Hur S, Jae HJ, Jang Y, Min SK, Min SI, Lee DY, Seo SG, Kim HC, **Chung JW**, Kim KG, Park EA, Lee W. Quantitative assessment of foot blood flow by using dynamic volume perfusion CT technique: A feasibility study. *Radiology*. 2016 Apr;279(1):195-206.
261. Choi TW, Kim HC, Lee JH, Yu SJ, Kang B, Hur S, Lee M, Jae HJ, **Chung JW**. The safety and clinical outcomes of chemoembolization in Child-Pugh class C patients with hepatocellular carcinomas. *Korean J Radiol*. 2015 Nov-Dec;16(6):1283-93.
262. Kim H, Park HC, Ryu H, Kim K, Kim HS, Oh KH, Yu SJ, **Chung JW**, Cho JY, Kim SH, Cheong HI, Lee K, Park JH, Pei Y, Hwang YH, Ahn C. Clinical correlates of mass effect in autosomal dominant polycystic kidney disease. *PLoS One*. 2015 Dec 7;10(12):e0144526.
263. Choe J, Kim KW, Kim YI, **Chung JW**, Huh J, Park J, Ham SJ, Jun MK, Kim PN. Feasibility of a low-power radiofrequency ablation protocol to delay steam popping. *J Vasc Interv Radiol*. 2016 Feb;27(2):268-74.
264. Kim J, Lee J, **Chung JW**, Shin YG. Locally adaptive 2D-3D registration using vascular structure model for liver catheterization. *Comput Biol Med*. 2016 Mar 1;70:119-30.
265. Choi JW, Kim JH, Kim HC, Choi WS, Baek SY, Lee K, **Chung JW**. Comparison of tumor vascularity and hemodynamics in three rat hepatoma models. *Abdom Radiol (NY)*. 2016 Feb;41(2):257-64.
266. Kim R, Park EA, Lee W, **Chung JW**. Feasibility of 320-row area detector CT coronary angiography using 40 mL of contrast material: assessment of image quality and diagnostic accuracy. *Eur Radiol*. 2016 Nov;26(11):3802-3810.

267. Jeon MJ, Gordon AC, Larson AC, **Chung JW**, Kim YI, Kim DH. Transcatheter intra-arterial infusion of doxorubicin loaded porous magnetic nano-clusters with iodinated oil for the treatment of liver cancer. *Biomaterials*. 2016 May;88:25-33.
268. Zhou CG, **Chung JW**, Hur S, Lee M, Kim HC, Jae HJ, Yin YH, Kim YI, Ahn SB, Cho BH. Sectional localization of a small hepatocellular carcinoma in the right hepatic lobe by computed tomography: comparison between the conventional and portal vein tracing methods. *Eur Radiol*. 2016 Dec;26(12):4524-4530. 2016 Mar 19.
269. Cho YY, Lee M, Kim HC, **Chung JW**, Kim YH, Gwak GY, Bae SH, Kim do Y, Heo J, Kim YJ. Radioembolization is a safe and effective treatment for hepatocellular carcinoma with portal vein thrombosis: a propensity score analysis. *PLoS One*. 2016 May 5;11(5):e0154986.
270. Hur S, Shin JH, Lee IJ, Min SK, Min SI, Ahn S, Kim J, Kim SY, Kim M, Lee M, Kim HC, Jae HJ, **Chung JW**, Kim HB. Early experience in the management of postoperative lymphatic leakage using Lipiodol lymphangiography and adjunctive glue embolization. *J Vasc Interv Radiol*. 2016 Aug;27(8):1177-1186.e1.
271. Hur S, **Chung JW**, Zhou CG, Lee JH, Cho S, Kim M, Lee M, Kim HC, Jae HJ. Arteries of the falciform ligament on C-arm CT hepatic arteriography: The hepatic falciform artery and the Sappey's superior artery. *Eur Radiol*. 2016 Aug 10.
272. Choi JW, Kim HC, Lee JH, Yu SJ, Kim YJ, Yoon JH, Jae HJ, Hur S, Lee M, **Chung JW**. Transarterial chemoembolization of hepatocellular carcinoma with segmental portal vein tumour thrombus. *Eur Radiol*. 2016 Aug 11.
273. Kim R, Lee W, Park EA, Yoo JY, **Chung JW**. Anatomic variations of lower extremity venous system in varicose vein patients: demonstration by three-dimensional CT venography. *Acta Radiol*. 2016 Aug 26. pii: 0284185116665420.
274. Chu HH, Yi NJ, Kim HC, Lee KW, Suh KS, Jae HJ, **Chung JW**. Long-term outcomes of stent placement for hepatic venous outflow obstruction in adult liver transplantation recipients. *Liver Transpl*. 2016 Nov;22(11):1554-1561. doi: 10.1002/lt.24598.

275. Lee M, **Chung JW**, Lee KH, Won JY, Chun HJ, Lee HC, Kim JH, Lee IJ, Hur S, Kim HC, Kim YJ, Kim GM, Joo SM, Oh JS. Korean multicenter registry of transcatheter arterial chemoembolization with drug-eluting embolic agents for nodular hepatocellular carcinomas: six-month outcome analysis. *J Vasc Interv Radiol*. 2017 Apr;28(4):502-512. Epub 2016 Nov 14.
276. **Chung JW**. Is scheduled second chemoembolization necessary for early stage hepatocellular carcinoma showing complete response after first chemoembolization? *Clin Mol Hepatol*. 2017 Mar;23(1):31-33. Epub 2017 Mar 16.
277. Choi JW, Kim HC, Lee JH, Yu SJ, Cho EJ, Kim MU, Hur S, Lee M, Jae HJ, **Chung JW**. Cone beam CT-guided chemoembolization of probable hepatocellular carcinomas smaller than 1 cm in patients at high risk of hepatocellular carcinoma. *J Vasc Interv Radiol*. 2017 Jun;28(6):795-803. Epub 2017 Mar 14.
278. Choi JW, Park JH, Cho HR, **Chung JW**, Kim DD, Kim HC, Cho HJ. Sorafenib and 2,3,5-triiodobenzoic acid-loaded imageable microspheres for transarterial embolization of a liver tumor. *Sci Rep*. 2017 Apr 3;7(1):554.
279. Park DY, Kim HC, **Chung JW**, Hur S, Kim M, Lee M, Jae HJ. Cone-beam computed tomography with automated bone subtraction in preoperative embolization for pelvic bone tumors. *PLoS One*. 2017 Apr 18;12(4):e0175907. PMID: 28419147
280. Choi JW, Yoo MY, Kim HC, Paeng JC, Kim YJ, **Chung JW**. Prophylactic temporary occlusion of the cystic artery using a fibered detachable coil during 90Y radioembolization. *Cardiovasc Intervent Radiol*. 2017 Oct;40(10):1624-1630. Epub 2017 May 12. PMID: 28500460
281. Bae JS, Kim JH, Yu MH, Lee DH, Kim HC, **Chung JW**, Han JK. Diagnostic accuracy of gadoxetic acid-enhanced MR for small hypervascular hepatocellular carcinoma and the concordance rate of Liver Imaging Reporting and Data System (LI-RADS). *PLoS One*. 2017 May 30;12(5):e0178495. PMID: 28558068
282. Kang TS, Kim S, Jung HD, **Chung JW**, Kim HE, Koh YH, Song J. Large-scale nanopatterning of metal surfaces by target-ion induced plasma sputtering (TIPS). *RSC Adv* 2016; 6:23702-23708.

283. Lee IJ, Park JY, Kim YI, Lee YS, Jeong JM, Kim J, Kim EE, Kang KW, Lee DS, Jeong S, Kim EJ, Kim YI, **Chung JW**. Image-based analysis of tumor localization after intra-arterial delivery of technetium-99m-labeled SPIO using SPECT/CT and MRI. *Mol Imaging*. 2017; 16: 1-9, Jan 1;16:1536012116689001. PMID: 28654377
284. Ham SJ, Choi Y, Lee SI, Kim J, Kim YI, **Chung JW**, Kim KW. Enhanced efficacy of radiofrequency ablation for hepatocellular carcinoma using a novel vascular disrupting agent, CKD-516. *Hepatol Int*. 2017 Sep;11(5):446-451. Epub 2017 Jul 18. PMID: 28721452.
285. Jin KN, **Chung JW**, Park EA, Lee W. Dual-energy computed tomography angiography: virtual calcified plaque subtraction in a vascular phantom. *Acta Radiol Open*. 2017 Jul 12;6(7):1-7. 2058460117717765. eCollection 2017 Jul. PMID: 28811929
286. Hur S, Jae HJ, Lee H, Lee M, Kim HC, **Chung JW**. Superselective embolization for arterial upper gastrointestinal bleeding using n-butyl cyanoacrylate: A single-center experience in 152 patients. *J Vasc Interv Radiol*. 2017 Dec;28(12):1673-1680. PMID: 28935474
287. Park J, Kim HC, Lee JH, Cho E, Kim M, Hur S, Jae HJ, Lee M, **Chung JW**. Chemoembolisation for hepatocellular carcinoma with bile duct invasion: is preprocedural biliary drainage mandatory? *Eur Radiol*. 2018 Apr;28(4):1540-1550. PMID: 29124380
288. Choi JW, **Chung JW**, Lee DH, Kim HC, Hur S, Lee M, Jae HJ. Portal hypertension is associated with poor outcome of transarterial chemoembolization in patients with hepatocellular carcinoma *Eur Radiol*. 2018 May;28(5):2184-2193. PMID: 29218611
289. Chu HH, Kim M, Kim HC, Lee JH, Jae HJ, **Chung JW**. Long-term outcomes of balloon-occluded retrograde transvenous obliteration for the treatment of gastric varices: A comparison of ethanolamine oleate and sodium tetradecyl sulfate. *Cardiovasc Intervent Radiol*. 2018 Apr;41(4):578-586. PMID: 29264640
290. Kim HC, Kim YJ, Paeng JC, **Chung JW**. Yttrium-90 Radioembolization of the right inferior phrenic artery in 20 patients with hepatocellular carcinoma. *J Vasc Interv Radiol*. 2018 Apr;29(4):556-563. PMID: 29373246

291. **Chung JW**. Comparison of surgical resection versus transarterial chemoembolization with additional radiation therapy in patients with hepatocellular carcinoma with portal vein invasion Clin Mol Hepatol. 2018 Feb 22. PMID: 29471609 (Editorial)
292. Lee DH, Ahn JH, **Chung JW**, Kim YJ, Cha SW, Kim MY, Baik SK. Varices on computed tomography are surrogate of clinically significant portal hypertension and can predict survival in compensated cirrhosis patients. J Gastroenterol Hepatol. 2019 Feb;34(2):450-457. PMID: 29900587
293. Lee IJ, Lee M, Kim SJ, Kim YK, Won JY, **Chung JW**. Chemoembolization with Vascular Disrupting Agent CKD-516 Dissolved in Ethiodized Oil in Combination with Doxorubicin: A VX2 Tumor Model Study. J Vasc Interv Radiol. 2018 Aug;29(8):1078-1084. PMID: 29910164
294. **Chung JW**, Kim HC. Can CT Following Chemoembolization with Radiopaque Drug-Eluting Beads Tell Us How Much Drug We Deliver? Radiology. 2018 Nov;289(2):405-406. PMID: 30106342 (Editorial)
295. Lee H, Kim SJ, Hur S, Kim HS, Min SI, Lee JH, Lee M, Kim HC, Jae HJ, Lee S, Choi HI, **Chung JW**. The Feasibility of Mesenteric Intranodal Lymphangiography: Its Clinical Application for Refractory Postoperative Chylous Ascites. J Vasc Interv Radiol. 2018 Sep;29(9):1290-1292. PMID: 30146199
296. Choi YR, **Chung JW**, Yu MH, Lee M, Kim JH. Diagnostic accuracy of contrast-enhanced dynamic CT for small hypervascular hepatocellular carcinoma and assessment of dynamic enhancement patterns: Results of two-year follow-up using cone-beam CT hepatic arteriography. PLoS One. 2018 Sep 19;13(9):e0203940. PMID: 30231076
297. Kim HC, Kim YJ, Lee JH, Suh KS, **Chung JW**. Feasibility of Boosted Radioembolization for Hepatocellular Carcinoma Larger than 5 cm J Vasc Interv Radiol. 2019 Jan;30(1):1-8. PMID: 30293734
298. Chung M, Lee J, **Chung JW**, Shin YG. Accurate liver vessel segmentation via active contour model with dense vessel candidates. Comput Methods Programs Biomed. 2018 Nov;166:61-75. PMID: 30415719

299. **Chung JW**. Endoscopic treatment or balloon-occluded retrograde transvenous obliteration is safe for patients with esophageal/gastric varices in Child-Pugh class C end-stage liver cirrhosis. *Clin Mol Hepatol*. 2018 Dec 21. [Epub ahead of print] No abstract available. PMID: 30572695
300. Kim HC, Miyayama S, **Chung JW**. Selective Chemoembolization of Caudate Lobe Hepatocellular Carcinoma: Anatomy and Procedural Techniques. *Radiographics*. 2019 Jan-Feb;39(1):289-302. PMID: 30620696