

Curriculum vitae

General information

Name: Binkert, Christoph Andreas
Title: Prof. Dr. med.
Date of birth : September 2nd 1968
Citizenship: Zurich, Switzerland
Marital status: married to Orsolya Binkert-Szellö
Children: Philipp *1997
Oliver *2001
Lucas *2003

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Education (overview)

1981- 1987 Gymnasium Hohe Promenade, Zurich
1987- 1993 Medical School University of Zurich
1993 *Doctor of Medicine University of Zurich*
“Klinische Bedeutung der Hämaturie nach Nierentransplantation“
1999 Radiology Board of Switzerland
2000- 2002 Fellowship Interventional Radiology; OHSU Portland, OR
2005- 2007 Massachusetts Registered Physician (full license)
2005/2006 Master of Business and Administration (MBA), Focus Healthcare
American Intercontinental University (AIU)
2011- European Board of Interventional Radiology (EBIR)

Postgraduate education and academic positions

1994- 1996	Resident Radiology, Kantonsspital Winterthur (Prof. Zollikofer)
1997	Resident Neuroradiology, University Hospital of Zurich (Prof. Valavanis)
1998	Resident Vascular Medicine, University Hospital of Zurich (Prof. Koppensteiner)
1999	Resident Radiology, University Hospital Balgrist (Prof. Hodler)
1999- 2000	Assistant Prof. Radiology, University Hospital Balgrist (Prof. Hodler)
2000- 2001	Fellowship Interventional Radiology, Oregon Health and Science University, Portland, OR (USA) (Prof. Keller)
2002	Instructor of Radiology, Oregon Health and Science University, Portland, OR (USA) (Prof. Keller)
2002- 2003	Instructor of Radiology, Harvard Medical School Brigham and Women's Hospital, Boston (USA) (Prof. Seltzer)
2003- 2006	Assistant Professor of Radiology, Harvard Medical School Brigham and Women's Hospital, Boston (USA) (Prof. Seltzer)
2006- 2007	Associate Professor of Radiology Harvard Medical School Brigham and Women's Hospital, Boston (USA) (Prof. Seltzer)
2006- 2007	Associate Director of Interventional Radiology, Brigham and Women's Hospital
2007-	Director and Chairman of Radiology, Kantonsspital Winterthur
2009- 2010	Privatdozent (= Associate Prof. University of Zurich)
2010-	Titularprofessor (= Professor of Radiology, University of Zurich)

Sponsored trials as Primary Investigator (PI)

2003	Fallopian Tube Occlusion with Use of a Small Intestine Submucosa Device: Evaluation in a Rabbit Model (supported by Cook: 15'000 USD)
2005	Prospective single center study of Bard Recovery Filter in trauma patients at high risk for thromboembolism (supported by Bard Peripheral Vascular: 54'000 USD)
2005	Inductive heating of ironoxide micro-particles with MRI; (supported by "New concept grant", CIMIT: 10'000 USD)
2006	Non-randomized, multicenter, prospective study of Günther Tulip IVC filter out to 12 weeks (supported by Cook: 5'000 USD)
2006	Recovery Filter Study (EVEREST) (supported by Bard Peripheral Vascular: 64'000 USD)
2007	KAVIAR Study - Kyphoplasty And Vertebroplasty In the Augmentation and Restoration of Vertebral Body Compression Fractures (supported by Kyphon: 5'000 USD, startup fee)
2007	CAFE Study - Cancer Patient Fracture Evaluation (supported by Kyphon: 5'000 USD, startup fee)
2007	Angiographic CT: New applications (supported by Siemens: 8'000 USD)
2010	A Single-Center, Randomized, Controlled Study of the VBS System in the Treatment of Osteoporotic Vertebral Body Fracture. (supported by Synthes: 60'000 CHF)

2011 Prospective, randomized comparison of access to the superficial femoral artery (SFA) using a micropuncture needle vs a 19G open needle. (supported by Cook: 4'500 CHF)

Teaching

1990- 1991 Tutor, Anatomy Course, University of Zurich
 1996- 2000 Tutor, Sonography Course, Kantonsspital Winterthur
 2004- 2007 Radiology core clerkship, Harvard Medical School:
 2004 Co-Director, Practical Training Courses for Bard Recovery Filter, Memphis, TN und Phoenix, AZ (USA)
 2004 Director, Practical Training Courses for Bard Recovery Filter before market release in Italy, Milano (Italy)
 2004- 2006 Director, Seminars for Endovenous laser treatment of varicose veins, Brigham and Women's Hospital
 2005- 2007 Director, Clinical Rotation in Interventional Radiology Harvard Medical School
 2007- Lecturer in practical teaching in Radiology (4th year students) Kantonsspital Winterthur/ University of Zurich
 2008 Director for training course in Varicose veins. European School of Interventional Radiology (ESIR)
 2008- 2010 Director and organizer: Center of excellence for DC Bead therapy (Biocompatibles), Kantonsspital Winterthur
 2009- 2010 Director: Seminars for Express Kyphoplasty (Medtronic): Introduction of Express kit in Europe, Kantonsspital Winterthur
 2010- Special Radiology Course for 4th year students (Mantelkurs)
 2011 Co-Director for training course in peripheral vascular disease. European School of Interventional Radiology (ESIR)
 2011, 2012 Director for training course in vertebral augmentation. European School of Interventional Radiology (ESIR)
 2012 Director for training course in venous disease. European School of Interventional Radiology (ESIR)
 2014 Faculty for training course in peripheral vascular disease. European School of Interventional Radiology (ESIR)
 2014- 2018 Member of scientific committee of ICCIR

Reviewer

2001- 2003 Abstracts, Annual Scientific Meeting of the American Heart Association
 2003- Cardiovascular and Interventional Radiology (CVIR)
 2003- Journal of Vascular and Interventional Radiology (JVIR)
 2004- American Journal of Roentgenology (AJR)
 2008- Skeletal Radiology
 2008- Abstracts, Annual Scientific Meeting of the Radiological Society of North America (RSNA)
 2008- 2017 Consultant to the Editor: Cardiovascular and Interventional Radiology

Patent

Binkert, et al.: Graphic user interface for a stent-graft planning process.
US 2007/7,237,196.

Binkert: new IVC filter concept. Filed application: PCT/EP2008/061819.
now Cook: US 2011/0213404 A1

Memberships

1994- 1997-	Foederatio helveticorum medicorum (FMH) Radiological Society of North America (RSNA)
1997- 2002- 2009- 2010- 2013- 2015 2015- 2017 2017- 2019	Cardiovascular and Interventional Radiological Society of Europe <i>Fellow of CIRSE</i> <i>Member of the Scientific Programme Committee CIRSE</i> <i>Member of CIRSE Foundation Advisory Council</i> <i>Deputy Programme Chairman of CIRSE</i> <i>Programme Chairman of CIRSE</i> <i>Treasurer of CIRSE</i>
1999-	Swiss Society of Interventional Radiology (SGR- SSR)
2000- 2006	Society of Interventional Radiology (SIR) <i>Fellow of SIR</i>
2002- 2005/2006	New England Society of Interventional Radiology, <i>President of NESIR</i>
2008- 2011- 2013 2014	European Society of Radiology (ESR) <i>Member of Programme Subcommittee Interventional Radiology</i> <i>Subcommittee Chairman Interventional Radiology</i>

Publications

Original research (peer reviewed)

1. Binkert CA, Jost R, Steiner A, Zollikofer CL. Benign and malignant stenoses of the stomach and duodenum: treatment with self-expanding metallic endoprostheses. *Radiology*. 1996;199:335-338.
2. Binkert CA, Ledermann HP, Jost R, Saurenman P, Decurtins M, Zollikofer CL. Acute colonic obstruction: clinical aspects and cost-effectiveness of preoperative and palliative treatment with self-expanding metallic stents - a preliminary report. *Radiology*. 1998;206:199-204.
3. Binkert CA, Schoch E, Stuckmann G, Largiadèr J, Wigger P, Schoepke W, Zollikofer CL. Treatment of pelvic venous spur (May-Thurner syndrome) with self-expanding metallic endoprostheses. *Cardiovasc Intervent Radiol*. 1998;21(1):22-26.
4. Kollias SS, Binkert CA, Ruesch S, Valavanis A. Contrast-enhanced MR angiography of the supra-aortic vessels in 24 seconds: a feasibility study. *Neuroradiology*. 1999;41(6):391-400.
5. Binkert CA, Hoffmann U, Leung DA, Matter HG, Schmidt M, Debatin JF. Characterization of renal artery stenoses based on magnetic resonance renal flow and volume measurements. *Kidney Int*. 1999;56(5):1846-1854.
6. Binkert CA, Kollias SS, Valavanis A. Spinal cord vascular disease: characterization with fast three-dimensional contrast-enhanced MR angiography. *Am J Neuroradiol*. 1999;20(10):1785-1793.
7. Weishaupt D, Ruhm SG, Binkert CA, Schmidt M, Patak MA, Steybe F, McGill S, Debatin JF. Equilibrium-phase MR angiography of the aortoiliac and renal arteries using a blood pool contrast agent. *Am J Roentgenol*. 2000;175(1):189-195.
8. Pfirrmann CW, Binkert CA, Zanetti M, Boos N, Hodler J. Functional MR imaging of the craniocervical junction. Correlation with ligaments and occipito-atlantoaxial joint morphology: a study in 50 asymptomatic subjects. *Schweiz Med Wochenschr*. 2000;130(18):645-651.
9. Binkert CA, Zanetti M, Hodler J. Patient's assessment of discomfort during MR arthrography of the shoulder. *Radiology*. 2001;221(3):775-778.
10. Binkert CA, Debatin JF, Schneider E, Hodler J, Ruehm SG, Schmidt M, Hoffmann U. Can MR measurement of renal artery flow and renal volume predict the outcome of percutaneous transluminal renal angioplasty? *Cardiovasc Intervent Radiol*. 2001;24(4):233-239 (*winning of the Editor's Medal 2002*).
11. Buhler M, Binkert C, Exner GU. Osteoid osteoma: technique of computed tomography-controlled percutaneous resection using standard equipment available in most orthopaedic operating rooms. *Arch Orthop Trauma Surg*. 2001;121(8):458-461.
12. Binkert CA, Andrews RT, Kaufman JA. Utility of nonselective abdominal aortography in demonstrating ovarian artery collaterals in patients undergoing uterine artery embolization for fibroids. *J Vasc Interv Radiol*. 2001;12:841-845.
13. Ledermann HP, Binkert C, Fröhlich E, Börner N, Zollikofer C, Stuckmann G. Diagnosis of symptomatic intestinal metastases using transabdominal sonography and sonographically guided puncture. *Am J Roentgenol*. 2001;176:155-158.
14. Pfirrmann CW, Binkert CA, Zanetti M, Boos N, Hodler J. MR morphology of the alar ligaments and the occipito-atlantoaxial joints: study in 50 asymptomatic subjects. *Radiology*. 2001;218(1):133-137.

15. Binkert CA, Zanetti M, Gerber C, Hodler J. MR arthrography of the glenohumeral joint: two concentrations of gadoteridol versus Ringer solution as intraarticular contrast material. *Radiology*. 2001;220(1):219-224.
16. Schmid MR, Hodler J, Vienne P, Binkert CA, Zanetti M. Bone marrow abnormalities of foot and ankle: STIR versus T1-weighted contrast-enhanced fat-suppressed spin-echo MR imaging. *Radiology*. 2002;224(2):463-469.
17. Binkert CA, Andrews RT, Pavcnik D, Uchida B, Loriaux MM, Toyota N, Rosch J. Lack of suitability of the rabbit model for particulate uterine artery embolization. *J Vasc Interv Radiol*. 2002;13(6):609-612.
18. Binkert CA, Nanz D, Bootz F, Nehrbass D, Pospischil A, Boos N, Pfammatter T, Treiber K, Hodler J. Laser-induced thermotherapy of the vertebral body: preliminary assessment of safety and real-time magnetic resonance monitoring in an animal model. *Invest Radiol*. 2002;37(10):557-561.
19. Andrews RT, Binkert CA. Digital subtraction fluoroscopy to enhance visualization during uterine fibroid embolization. *Cardiovasc Intervent Radiol*. 2003;26(3):296-297.
20. Binkert CA, Verdun FR, Zanetti M, Pfirrmann CW, Hodler J. CT arthrography of the glenohumeral joint: CT fluoroscopy versus conventional CT and fluoroscopy – comparison of image-guidance techniques. *Radiology*. 2003;229(1):153-158.
21. Andrews RT, Binkert CA. Relative rates of blood flow reduction during transcatheter arterial embolization with tris-acryl gelatin microspheres or polyvinyl alcohol: quantitative comparison in a swine model. *J Vasc Interv Radiol*. 2003;14(10):1311-1316.
22. Guntern DV, Pfirrmann CW, Schmid MR, Zanetti M, Binkert CA, Schneeberger AG, Hodler J. Articular cartilage lesions of the glenohumeral joint: diagnostic effectiveness of MR arthrography and prevalence in patients with subacromial impingement syndrome. *Radiology*. 2003;226(1):165-170.
23. Brountzos EN, Binkert CA, Panagiotou IE, Petersen BD, Timmermans H, Lakin PC. Clinical Outcome After Intrahepatic Venous Stent Placement for Malignant Inferior Vena Cava Syndrome. *Cardiovasc Intervent Radiol*. 2004;27(2):129-136.
24. Binkert CA, Pavcnik D, Andrews AT, Loriaux BU, Brountzos EN, Rosch J. Fallopiian Tube Occlusion with Use of a Small Intestine Submucosa Device: Evaluation in a Rabbit Model. *J Vasc Interv Radiol*. 2004;15(6):609-613.
25. Petersen B, Binkert C. Intravascular Ultrasound-guided Direct Intrahepatic Portacaval Shunt: Midterm Follow-up. *J Vasc Interv Radiol*. 2004;15(9):927-938.
26. Binkert CA, Baker PD, Petersen BD, Szumowski Jerzy, Kaufman J. Peripheral Vascular Disease: Blinded Study of Dedicated Calf MR Angiography versus Standard Bolus-Chase MR Angiography and Film Hard-Copy Angiography. *Radiology*. 2004;232(3):860-866.
27. Brountzos E.N., Petersen B., Binkert C., Panagiotou I, Kaufman J.A. Primary Stenting of Subclavian and Innominate Artery Occlusive Disease: A Single Center's Experience. *Cardiovasc Intervent Radiol*. 2004;27:616-623.
28. Binkert CA, Yucel EK, Davison BD, Sugarbaker DJ, Baum RA. Percutaneous treatment of high-output chylothorax with embolization or needle disruption technique. *J Vasc Interv Radiol*. 2005;16(9):1257-1262.
29. Binkert CA, Sasadeusz K, Stavropoulos SW . Retrieval of BARD Recovery Vena Cava Filter after Dwell Times Longer than 180 Days. *J Vasc Interv Radiol*. 2006;17(2):299-302.

30. Erturk SM, Mortelet KJ, Binkert CA, Glickman JN, Oliva MR, Ros PR, Silverman SG. CT features of hepatic venoocclusive disease and hepatic graft-versus-host disease in patients after hematopoietic stem cell transplantation. *AJR Am J Roentgenol.* 2006;186(6):1497-501.
31. Cynamon J, Stein EG, Dym RJ, Jagust MB, Binkert CA, Baum RA. A new method for aggressive management of deep vein thrombosis: retrospective study of the power pulse technique. *J Vasc Interv Radiol.* 2006;17(6):1043-9.
32. Binkert CA, Alencar H, Singh J, Baum RA. Translumbar Type II Endoleak Repair Using Angiographic CT. *J Vasc Interv Radiol.* 2006;17(8):1349-53.
33. Romero J, Staehelin T, Binkert C, Pfirrmann C, Hodler J, Kessler O. The clinical consequences of flexion gap asymmetry in total knee arthroplasty. *The Journal of Arthroplasty.* 2007;22(2):235-240.
34. Binkert CA, Chew M, Gates JD. Venographic findings at the time of IVC filter retrieval. *AJR Am J Roentgenol.* 2007 Apr;188(4):1039-43.
35. Rubenstein L, Chun AK, Chew M, Binkert CA. Loop-snare technique for difficult inferior vena cava filter retrievals. *J Vasc Interv Radiol.* 2007 Oct;18(10):1315-18.
36. Singh J, Carrino JA, Alencar H, Binkert CA. Comparison of angiographic CT and spiral CT to assess cement distribution after vertebral augmentation. *J Vasc Interv Radiol.* 2007 Dec;18(12):1547-51.
37. Bansal A, Binkert CA, Robinson MK, Shulman LN, Pellerin L, Davison B. Impact of quality management monitoring and intervention on central venous catheter dysfunction in the outpatient chemotherapy infusion setting. *J Vasc Interv Radiol.* 2008 Aug;19(8):1171-1175.
38. Gutzeit A, Binkert CA, Schoch E, Sautter T, Jost R, Zollikofer CL. Malignant gastroduodenal obstruction: treatment with self-expanding uncovered wallstent. *Cardiovasc Intervent Radiol.* 2009 Jan;32(1):97-105.
39. Binkert CA, Drooz AT, Caridi JG, et al. Technical success and safety of retrieval of the G2 filter in a prospective, multicenter study. *J Vasc Interv Radiol.* 2009 Nov;20(11):1449-53.
40. Gutzeit A, Doert A, Froehlich JM, Eckhardt BP, Meili A, Scherr P, Schmid DT, von Weymarn CA, Willemse E, Binkert CA. Comparison of Diffusion-Weighted Whole Body MRI and Skeletal Scintigraphy for the Detection of Bone Metastases in Patients with Prostate or Breast Carcinoma. *Skeletal Radiol.* 2010 Apr;39(4):333-43
41. Gutzeit A, Eckhardt B, Beranek J, Wentz KU, Willemse E, Jenelten R, Binkert CA, Froehlich JM. Clinical experience in timed arterial compression contrast-enhanced magnetic resonance angiography of the hand. *Can Assoc Radiol J.* 2010 Oct;61(4):206-16.
42. Gutzeit A, Zollikofer CL, Dettling-Pizzolato M, Graf N, Largiadèr J, Binkert CA. Endovascular Stent Treatment for Symptomatic Benign Iliofemoral Venous Occlusive Disease: Long-Term Results 1987-2009. *Cardiovasc Intervent Radiol.* 2011 Jun;34(3):542-549
43. Gutzeit A, Patak MA, von Weymarn C, Graf N, Doert A, Willemse E, Binkert CA, Froehlich JM. Feasibility of small bowel flow rate measurement with MRI. *J Magn Reson Imaging.* 2010 Aug;32(2):345-51.
44. Gutzeit A, Schoch E, Sautter T, Jenelten R, Graf N, Binkert CA. Antegrade access to the superficial femoral artery with ultrasound guidance: feasibility and safety. *J Vasc Interv Radiol.* 2010 Oct;21(10):1495-500.

45. Reischauer C, Froehlich JM, Koh DM, Graf N, Padevit C, John H, Binkert CA, Boesiger P, Gutzeit A. Bone metastases from prostate cancer: assessing treatment response by using diffusion-weighted imaging and functional diffusion maps--initial observations. *Radiology*. 2010 Nov;257(2):523-31
46. Gutzeit A, Meier D, Meier ML, von Weymarn C, Ettl DA, Graf N, Froehlich JM, Binkert CA, Brügger M. Insula-specific responses induced by dental pain. A proton magnetic resonance spectroscopy study. *Eur Radiol*. 2011 Apr;21(4):807-15
47. Gutzeit A, Graf N, Schoch E, Sautter T, Jenelten R, Binkert CA. Ultrasound-guided antegrade femoral access: comparison between the common femoral artery and the superficial femoral artery. *Eur Radiol*. 2011 Jun;21(6):1323-8
48. Gaur SK, Friese JL, Sadow CA, Ayyagari R, Binkert CA, Schenker MP, Kulke M, Baum R. Hepatic arterial chemoembolization using drug-eluting beads in gastrointestinal neuroendocrine tumor metastatic to the liver. *Cardiovasc Intervent Radiol*. 2011 Jun;34(3):566-72
49. Gutzeit A, Sutter R, Froehlich JM, Roos JE, Sautter T, Schoch E, Giger B, Wyss M, Graf N, von Weymarn C, Jenelten R, Binkert CA, Hergan K. ECG-Triggered Non-Contrast-Enhanced MR Angiography (TRANCE) versus Digital Subtraction Angiography (DSA) in patients with peripheral arterial occlusive disease of the lower extremities. *Eur Radiol*. 2011 Sep;21(9):1979-87
50. Gutzeit A, Binkert CA, Koh DM, Hergan K, von Weymarn C, Graf N, Patak MA, Roos JE, Horstmann M, Kos S, Hungerbühler S, Froehlich JM. Evaluation of the anti-peristaltic effect of glucagon and hyoscine on the small bowel: comparison of intravenous and intramuscular drug administration. *Eur Radiol*. 2012 Jun;22(6):1186-94
51. Mutschler J, Graf N, Spanaus KS, Rössler W, Hergan K, Binkert CA, Gutzeit A. Circulating ghrelin levels are not associated with craving and withdrawal symptoms in acute nicotine withdrawal. *Psychiatr Danub*. 2012 Jun;24(2):229-30
52. Reischauer C, Gutzeit A, Vorburger RS, Froehlich JM, Binkert CA, Boesiger P. Optimizing the functional diffusion map using monte carlo simulations. *J Magn Reson Imaging*. 2012 Oct;36(4):1002-9
53. Gutzeit A, van Schie B, Schoch E, Hergan K, Graf N, Binkert CA. Feasibility and Safety of Vascular Closure Devices in an Antegrade Approach to Either the Common Femoral Artery or the Superficial Femoral Artery. *Cardiovasc Intervent Radiol*. 2012 Oct;35(5):1036-40
54. Sutter R, Kalberer F, Binkert CA, Graf N, Pfirrmann CW, Gutzeit A. Abductor tendon tears are associated with hypertrophy of the tensor fasciae latae muscle. *Skeletal Radiol*. 2013 May;42(5):627-33
55. Gutzeit A, Meier D, Froehlich JM, Hergan K, Kos S, V Weymarn C, Lutz K, Ettl D, Binkert CA, Mutschler J, Sartoretti-Schefer S, Brügger M. Differential NMR spectroscopy reactions of anterior/posterior and right/left insular subdivisions due to acute dental pain. *Eur Radiol*. 2013 Feb;23(2):450-60
56. Merckel LG, Bartels LW, Köhler MO, van den Bongard HJ, Deckers R, Mali WP, Binkert CA, Moonen CT, Gilhuijs KG, van den Bosch MA. MR-guided high-intensity focused ultrasound ablation of breast cancer with a dedicated breast platform. *Cardiovasc Intervent Radiol*. 2013 Apr;36(2):292-301
57. Gutzeit A, Froehlich JM, Hergan K, Graf N, Binkert CA, Meier D, Brügger M, Reischauer C, Sutter R, Herdener M, Schubert T, Kos S, Grosshans M, Straka M, Mutschler J. Insula-specific H magnetic resonance spectroscopy reactions in heavy smokers under acute nicotine withdrawal and after oral nicotine substitution. *Eur Addict Res*. 2013;19(4):184-93

58. Gutzeit A, Schoch E, Reischauer C, Hergan K, Jenelten R, Binkert CA. Comparison of a 21G Micropuncture Needle and a Regular 19G Access Needle for Antegrade Arterial Access into the Superficial Femoral Artery. *Cardiovasc Intervent Radiol*. 2014 Apr;37(2):343-7
59. Reischauer C, Froehlich JM, Pless M, Binkert CA, Koh DM, Gutzeit A. Early treatment response in non-small cell lung cancer patients using diffusion-weighted imaging and functional diffusion maps - a feasibility study. *PLoS One*. 2014 (7);9(10):e108052
60. Binkert CA, Hirzel FC, Gutzeit A, Zollikofer CL, Hess T. Superior Hypogastric Nerve Block to Reduce Pain After Uterine Artery Embolization: Advanced Technique and Comparison to Epidural Anesthesia. *Cardiovasc Intervent Radiol*. *Cardiovasc Intervent Radiol*. 2015 Oct;38(5):1157-61
61. Reischauer C, Koh DM, Froehlich JM, Patzwahl R, Binkert CA, Gutzeit A Pilot study on the detection of antiandrogen resistance using serial diffusion-weighted imaging of bone metastases in prostate cancer. *J Magn Reson Imaging*. 2016 Jun;43(6):1407-16
62. Løvdal AL, Calve S, Yang S, Van Alstine W, Binkert CA, Klausen K. Evaluation of a Bioabsorbable Self-Expandable Vein Stent-Base Made of Poly(L-lactide) In Vitro and In Vivo. *Cardiovasc Intervent Radiol*. 2017 Jan;40(1):112-119
63. Sartoretti T, Sartoretti E, Bucher C, Doert A, Binkert C, Hergan K, Meissnitzer M, Froehlich J, Kolokythas O, Matoori S, Orasch C, Kos S, Sartoretti-Schefer S, Gutzeit A. Bacterial contamination of ultrasound probes in different radiological institutions before and after specific hygiene training: do we have a general hygienical problem? *Eur Radiol*. 2017 Apr 3. doi: 10.1007/s00330-017-4812-1
64. Reischauer C, Hock A, Kolokythas O, Binkert CA, Gutzeit A. Fully navigated 3 T proton magnetic resonance spectroscopy of liver metastases with inner-volume saturation. *Abdom Radiol (NY)*. 2017 May 18. doi: 10.1007/s00261-017-1173-9
65. Filippiadis DK, Binkert C, Pellerin O, Hoffmann RT, Krajina A, Pereira PL. Cirse Quality Assurance Document and Standards for Classification of Complications: The Cirse Classification System. *Cardiovasc Intervent Radiol*. 2017 Jun 5. doi: 10.1007/s00270-017-1703-4
66. Sartoretti T, Sartoretti E, Rauch S, Binkert C, Wyss M, Czell D, Sartoretti-Schefer S. How Common Is Signal-Intensity Increase in Optic Nerve Segments on 3D Double Inversion Recovery Sequences in Visually Asymptomatic Patients with Multiple Sclerosis? *AJNR Am J Neuroradiol*. 2017 Sep;38(9):1748-1753
67. Brodmann M, Zeller T, Christensen J, Binkert C, Spak L, Schröder H, Righini P, Nano G, Tepe G. Real-world experience with a Paclitaxel-Coated Balloon for the treatment of atherosclerotic infrainguinal arteries: 12-month interim results of the BIOLUX P-III registry first year of enrolment. *J Vasc Bras*. 2017 Oct-Dec;16(4):276-284
68. Sartoretti T, Sartoretti E, Binkert C, Gutzeit A, Reischauer C, Czell D, Wyss M, Brüllmann E, Sartoretti-Schefer S. Diffusion-Weighted Zonal Oblique Multislice-EPI Enhances the Detection of Small Lesions with Diffusion Restriction in the Brain Stem and Hippocampus: A Clinical Report of Selected Cases. *AJNR Am J Neuroradiol*. 2018 Jul; 39(7):1255-1259
69. Agten CA, Zubler V, Zanetti M, Binkert CA, Kolokythas O, Prentl E, Buck FM, Pfirrmann CWA. Postpartum Bone Marrow Edema at the Sacroiliac Joints May Mimic Sacroiliitis of Axial Spondyloarthritis on MRI. *AJR Am J Roentgenol*. 2018 Sep 24:1-7

70. Najafi A, Sheikh GT, Binkert C. Extensive Embolization of Splanchnic Artery Aneurysms due to Segmental Arterial Mediolysis. *Rofo*. 2019 Apr 4. doi: 10.1055/a-0855-4198
71. Sartoretti E, Sartoretti T, Binkert C, Najafi A, Schwenk Á, Hinnen M, van Smoorenburg L, Eichenberger B, Sartoretti-Schefer S. Reduction of procedure times in routine clinical practice with Compressed SENSE magnetic resonance imaging technique. *PLoS One*. 2019 Apr 12;14(4):e0214887
72. Najafi A , Sheikh GT, Wigger P, Binkert CA. Outcome of Nellix-EVAS: single center midterm results. *CVIR Endovascular* 2019 (2):13
73. Najafi A, Fuchs B, Binkert CA. Mid-term results of MR-guided high-intensity focused ultrasound treatment for relapsing superficial desmoids. *International Journal of Hyperthermia* 2019; 36(1):538–542
74. Sartoretti T, Sartoretti E, Wyss M, Schwenk A, Najafi A, Binkert C, Reischauer C, Zhou J, Jiang S, Becker AS, Sartoretti-Schefer S. Amide Proton Transfer Contrast Distribution in Different Brain Regions in Young Healthy Subjects. *Frontiers in Neuroscience*. 2019(13);| Article 520

Case reports (peer reviewed)

1. Binkert CA, Benedetti R, Banyoczki G, Stuckmann G. Sonographischer nachweis eines appendicolithen im recessus hepato-renal. *Röfo, Fortschr Röntgenstr*. 1998;168(1):95-96.
2. Binkert CA, Petersen BD. Two fatal complications after parallel tracheal-esophageal stenting. *Cardiovasc Intervent Radiol*. 2002;25(2):144-147.
3. Lavelle M, Schuff KG, Keller FS, Binkert CA, O'Hara M, Fairfax CA, Beer TM. Unilateral autonomous testicular testosterone production mimicking androgen independent prostate cancer. *J Urol*. 2002;168:1098-1099.
4. Binkert CA, Bansal A, Gates JD. Inferior Vena Cava Filter Removal after 317-day Implantation. *J Vasc Interv Radiol*. 2005;16(3):395-398.
5. Davison BD, Mammen L, Ritchie J, Binkert CA. Descending Tumor Thrombus from Renal Cell Carcinoma Metastases with SVC Syndrome. *Cardiovasc Intervent Radiol*. 2006 ;29(4):687-90.
6. Fretz V, Binkert CA Compression of the Inferior Vena Cava by the Right Iliac Artery: A Rare Variant of May-Thurner Syndrome. *Cardiovasc Intervent Radiol*. 2010 Oct;33(5):1060-3
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