

Prof. Dr. med. Klaus Wasser

## Publikationsverzeichnis

**Wasser K**, Delorme S, van Kaick G: Radiologische Diagnostik kleinsten Gefäße – Die nicht-invasive Untersuchung der Mikrozirkulation von neoplastischen Erkrankungen. *Onkologe* 2001, 7: 1134-44.

**Wasser K**, Klein SK, Fink C, Junkermann H, Sinn HP, Zuna I, Knopp MV, Delorme S: Evaluation of neoadjuvant chemotherapeutic response of breast cancer using dynamic MRI with high temporal resolution. *Eur Radiol* 2003, 13(1): 80-87.

**Wasser K**, Sinn HP, Fink C, Klein SK, Junkermann H, Ludemann HP, Zuna I, Delorme S: Accuracy of tumor size measurement in breast cancer using MRI is influenced by histological regression induced by neoadjuvant chemotherapy. *Eur Radiol* 2003, 13(6): 1213-1223.

**Wasser K**, Moehler T, Neben K, Nosas S, Heiss J, Goldschmidt H, Hillengass J, Duber C, Kauczor HU, Delorme S: Dynamische MRT des Knochenmarks zum Monitoring des Multiplen Myeloms unter Thalidomid-Monotherapie oder Kombination mit CED-Chemotherapie. *Rofo* 2004, 176(9): 1285-1295.

**Wasser K**, Giebel F, Fischbach R, Tesch H, Landwehr P: Transarterielle Chemoembolisation von Lebermetastasen kolorektaler Karzinome mit abbaubaren Stärkepartikeln (Spherex): Eigene Beobachtungen und Literaturübersicht. *Radiologe* 2005, 45(7): 633-643.

**Wasser K**, Moehler T, Nosas-Garcia S, Rehm C, Bartl R, Goldschmidt H, Duber C, Kauczor HU, Delorme S: Korrelation zwischen MRT und Histopathologie des Knochenmarks bei Patienten mit Multiplem Myelom. *Rofo* 2005, 177(8): 1116-1122.

Hillengass J, **Wasser K** (equal contribution author), Delorme S, Kiessling F, Zechmann C, Benner A, Kauczor HU, Ho AD, Goldschmidt H, Moehler TM: Lumbar bone marrow microcirculation measurements from dynamic contrast-enhanced magnetic resonance

imaging is a predictor of event-free survival in progressive multiple myeloma. Clin Cancer Res 2007, 13(2 Pt 1): 475-481.

**Wasser K**, Klein SK, Junkermann H, Sinn HP, Darai S, Neff W, Kauczor HU, Delorme S: Neoadjuvante Chemotherapie des Mammakarzinoms: Welche posttherapeutischen (präoperativen) Informationen liefert die quantitative dynamische MRT. Radiologe 2007, 47(5): 421-429.

**Wasser K**, Schoeber C, Kraus-Tiefenbacher U, Bauer L, Brade J, Teubner J, Wenz F, Neff W: Early mammographic and sonographic findings after intraoperative radiotherapy (IORT) as a boost in patients with breast cancer. Eur Radiol 2007, 17(7): 1865-1874.

Ruch M, Brade J, Schoeber C, Kraus-Tiefenbacher U, Schnitzer A, Engel D, Wenz F, Sutterlin M, Schoenberg SO, **Wasser K**: Long-term follow-up-findings in mammography and ultrasound after intraoperative radiotherapy (IORT) for breast cancer. Breast 2009, 18(5): 327-334.

**Wasser K**, Schnitzer A, Brade J, Schoenberg SO: Nichtinvasive bildgebende Verfahren zum präoperativen axillären Lymphknotenstaging beim Mammakarzinom. Der Radiologe 2010, 50(11): 1022-1029.

**Wasser K**, Ruch M, Brade J, Schoeber C, Kraus-Tiefenbacher U, Schnitzer A, Engel D, Wenz F, Sutterlin M, Schoenberg SO et al: Do structural changes in the tumour bed after intraoperative radiotherapy (IORT) of breast cancer complicate the evaluation of mammograms in a long-term follow-up? Eur J Radiol 2012, 81(3): 255-259

**Wasser K**, Schnitzer A, Engel D, Krammer J, Wenz F, Kraus-Tiefenbacher U, Suetterlin M, Schoenberg SO, Weisser G: First description of MR mammographic findings in the tumor bed after intraoperative radiotherapy (IORT) of breast cancer. Clin Imaging 2012, 36(3): 176-184.

Krammer J, Engel D, Nissen J, Schnitzer A, Suetterlin M, Schoenberg SO, **Wasser K**: Characteristics of axillary lymph nodes apparent on dynamic contrast-enhanced breast MRI in healthy women. Clin Imaging 2012, 36(4): 249-254.

Meyer M, Henzler T, Fink C, Vliegenthart R, Barraza JM, Jr., Nance JW, Jr., Apfalterer P, Schoenberg SO, **Wasser K**: Impact of Coronary Calcium Score on the Prevalence of Coronary Artery Stenosis on Dual Source CT Coronary Angiography in Caucasian Patients with an Intermediate Risk. *Acad Radiol* 2012, 19 (11): 1316-23

Kaiser CG, Krammer J, Schönberg SO, Kaiser WA, **Wasser K**. Focal transitional mastitis in MR-mammography: preliminary findings. *Eur J Radiol*. 2012, 81 Suppl 1:72-3.

Fink C, Henzler T, Shirinova A, Apfalterer P, **Wasser K**. Thoracic magnetic resonance imaging: pulmonary thromboembolism. *J Thorac Imaging* 2013, 28(3): 171-7

**Wasser K**: Bildgebende Diagnostik von Brusttumoren. *TumorDiagn u Ther* 2013, 34(3): 132-135

Engel D, Schnitzer A, Brade J, Blank E, Wenz F, Suetterlin M, Schoenberg SO, **Wasser K**: Are mammographic changes in the tumor bed more pronounced after intraoperative radiotherapy for breast cancer? Subgroup analysis from a randomized trial (TARGIT-A). *Breast* 2013, 19(1): 92-5

Büsing K.A., Schoenberg S.O, Brade J, **Wasser K**: Impact of blood glucose, diabetes, insulin, and obesity on standardized uptake values in tumors and healthy organs on 18F-FDG PET/CT. *Nucl Med Biol* 2013, 40(2): 206-13

Krammer J, Engel D, Schnitzer A, Kaiser CG, Dinter DJ, Brade J, Schoenberg SO, **Wasser K**. Is the assessment of the central skeleton sufficient for osseous staging in breast cancer patients? A retrospective approach using bone scans. *Skeletal Radiol.* 2013, 42(6): 787-91.

Scheurlen K, Schnitzer A, Krammer J, Kaiser C, Schönberg SO, **Wasser K**. Stellenwert der Galaktographie zur Abklärung der pathologischen Sekretion in der komplementären Brustdiagnostik. Teil 1: Eine Online-Umfrage an den deutschen Brustzentren. *Der Radiologe* 2014, 54(1): 63-67

Scheurlen K, Schnitzer A, Krammer J, Kaiser C, Schönberg SO, **Wasser K**. Stellenwert der Galaktographie zur Abklärung der pathologischen Sekretion in der komplementären Brustdiagnostik. Teil 2: Eine systematische Literaturanalyse. *Der Radiologe* 2014, 54(2): 160-66

Krammer J, Schnitzer A, Kaiser CG, Buesing KA, Sperk E, Brade J, Wasgindt S, Suetterlin M, Schoenberg SO, Sutton EJ, **Wasser K.** (18) F-FDG PET/CT for initial staging in breast cancer patients - Is there a relevant impact on treatment planning compared to conventional staging modalities. Eur Radiol. 2015 25(8): 2460-9.

Kaiser CG, Herold M, Baltzer PA, Dietzel M, Krammer J, Gajda M, Camara O, Schoenberg SO, Kaiser WA, **Wasser K.** Is "prepectoral edema" a morphologic sign for malignant breast tumors? Acad Radiol. 2015, 22 (6):684-9.

Krammer J, Dutschke A, Kaiser CG, Schnitzer A, Gerhardt A, Radosa JC, Brade J, Schoenberg SO, **Wasser K.** Impact of Tumor Localization and Method of Preoperative Biopsy on Sentinel Lymph Node Mapping After Periareolar Nuclide Injection. PLoS One. 2016 Feb 11 (2): e0149018.

Value of Additional Digital Breast Tomosynthesis for Preoperative Staging of Breast Cancer in Dense Breasts. Krammer J, Stepniewski K, Kaiser CG, Brade J, Riffel P, Schoenberg SO, **Wasser K.** Anticancer Res. 2017 37(9): 5255-61.

Weber MA, Bock M, Plathow C, **Wasser K**, Fink C, Zuna I, Schmahl A, Berger I, Kauczor HU, Schoenberg SO: Asbestos-related pleural disease: value of dedicated magnetic resonance imaging techniques. Invest Radiol 2004, 39(9): 554-64.

Brix G, Kiessling F, Lucht R, Darai S, **Wasser K**, Delorme S, Griebel J: Microcirculation and microvasculature in breast tumors: pharmacokinetic analysis of dynamic MR image series. Magn Reson Med 2004, 52(2): 420-9.

Nosas-Garcia S, Moehler T, **Wasser K**, Kiessling F, Bartl R, Zuna I, Hillengass J, Goldschmidt H, Kauczor HU, Delorme S: Dynamic contrast-enhanced MRI for assessing the disease activity of multiple myeloma: a comparative study with histology and clinical markers. J Magn Reson Imaging 2005, 22(1): 154-62.

Kraus-Tiefenbacher U, Welzel G, Brade J, Hermann B, Siebenlist K, **Wasser K**, Schneider FS, Sutterlin M, Wenz F: Postoperative seroma formation after intraoperative radiotherapy using low-kilovoltage X-rays given during breast-conserving surgery. Int J Radiat Oncol Biol Phys 2010, 77(4): 1140-1145.

Kaiser CG, Reich C, **Wasser K**, Schönberg SO, Kaiser WA. Economic aspects of MR-mammography in dense breasts. Eur J Radiol. 2012, 81 Suppl 1: 69-71.

Krammer J, **Wasser K**, Schnitzer A, Schoenberg SO, Kaiser CG. Axillary Lymph Node Characterization in Breast Cancer Patients using Magnetic Resonance Mammography: A Prospective Comparative Study with FDG PET-CT and Healthy Women. Eur J Radiol. 2013, 82(12): 2194-8.

Kaiser CG, Reich C, Dietzel M, Baltzer PA, Krammer J, **Wasser K**, Schoenberg SO, Kaiser WA. DCE-MRI of the breast in a stand-alone setting outside a complementary strategy - results of the TK-study. Eur Radiol. 2015, 25 (6):1793-800.

## Buchbeiträge

**Wasser K**, Delorme S: Behandlungserfolge sichtbar machen – Die dynamische Magnetresonanztomographie kann die Wirksamkeit neuer Therapien nachweisen. In: Krebsforschung heute. Steinkopf, Darmstadt 2002: 125-129.

Joan C. Vilanova and **Klaus Wasser**. Vasovist for breast cancer recognition. In: Leiner T, Goyen M, Rohrer M, Schönberg S (Eds.). Clinical blood pool MRI. Springer-Verlag, Heidelberg 2008: 196-199

**Klaus Wasser** and Elena Sperk. Follow-up findings in the tumor bed after IORT - what the radiologist needs to know. In: Keshtgar M, Pigott K, F Wenz (Eds.). Practical Guide to Targeted intraoperative Radiotherapy: TARGIT. Springer-Verlag, Heidelberg 2014: 67-71