

Publikationen des Institutes für Diagnostische und Interventionelle Radiologie

2025

[Hydrodissection of the area nuda hepatis as a periinterventional protective procedure for infracardiac liver tumors.](#)

Gerencsér N, Petritsch B, Fürstner M.

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[Development of Liver-Heart Score for Early Detection of Myocardial Contractile Dysfunction in Cirrhosis by Strain Imaging.](#)

Razpotnik M, Bota S, Wimmer P, Hofer P, Hackl M, **Fürstner M**, Alber H, Mohr R, Wree A, Walia N, Engelmann C, Demir M, Tacke F, Peck-Radosavljevic M.

Liver Int. 2025 Apr;45(4):e70062. doi: 10.1111/liv.70062.

[Pre- and Postoperative Imaging of Cochlear Implantation in Cadaveric Specimens Using Low-Dose Photon-Counting Detector CT.](#)

Spahn B, Müller-Graff FT, Rak K, Engert J, Voelker J, Hackenberg S, Hagen R, Neun T, **Petritsch B**, Bley TA, Grunz JP, Huflage H.

AJNR Am J Neuroradiol. 2025 Feb 3;46(2):362-371. doi: 10.3174/ajnr.A8533.

[Joint image reconstruction and segmentation of real-time cardiovascular magnetic resonance imaging in free-breathing using a model based on disentangled representation learning.](#)

Wech T, Schad O, Sauer S, Kleineisel J, Petri N, Nordbeck P, Bley TA, Baeßler B, **Petritsch B**, Heidenreich JF.

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2024

[Photon-Counting Detector CT for Femoral Stent Imaging in an Extracorporeally Perfused Human Cadaveric Model.](#)

Hartung V, Gruschwitz P, Huflage H, Augustin AM, Kleefeldt F, Peter D, Lichthardt S, Ergün S, Bley TA, Grunz JP, **Petritsch B**.

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[The Best of Both Worlds: Ultra-high-pitch Pulmonary Angiography with Free-Breathing Technique by Means of Photon-Counting Detector CT for Diagnosis of Acute Pulmonary Embolism.](#)

Pannenbecker P, Heidenreich JF, Huflage H, Gruschwitz P, Patzer TS, Weng AM, Grunz JP, Kunz AS, Bley TA, **Petritsch B**.

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[Virtual non-iodine photon-counting CT-angiography for aortic valve calcification scoring.](#)

Feldle P, Scheuber M, Grunz JP, Heidenreich JF, Pannenbecker P, Nora C, Huflage H, Bley TA, **Petritsch B**.

Sci Rep. 2024 Feb 27;14(1):4724. doi: 10.1038/s41598-024-54918-9.

[Image Quality and Radiation Dose of CTPA With Iodine Maps: A Prospective Randomized Study of High-Pitch Mode Photon-Counting Detector CT Versus Energy-Integrating Detector CT.](#)

Pannenbecker P, Heidenreich JF, Grunz JP, Huflage H, Gruschwitz P, Patzer TS, Feldle P, Bley TA, **Petritsch B**.

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[MMP-9 release into collateral blood vessels before endovascular thrombectomy to assess the risk of major intracerebral haemorrhages and poor outcome for acute ischaemic stroke: a proof-of-concept study.](#)

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[Percutaneous Cryoablation in the Liver: A Meta-Analysis and Review of Safety with a Focus on Incidence of Cryoshock and Major Complications.](#)

Kolck J, Schulze D, Brönnimann M, **Fürstner M**, Fehrenbach U, Collettini F, Gebauer B, Auer TA.

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[Ganglionic Local Opioid Analgesia at the Superior Cervical Ganglion: MRI-Verified Solution Spread.](#)

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[The Photon-Counting CT Enters the Field of Cochlear Implantation: Comparison to Angiography DynaCT and Conventional Multislice CT.](#)

Rak K, Spahn B, Müller-Graff FT, Engert J, Voelker J, Hackenberg S, Hagen R, **Petritsch B**, Grunz JP, Bley T, Neun T, Huflage H.

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[Imaging for local recurrence of breast cancer.](#)

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[Suprapubic and Transurethral Bladder Access for Voiding Cystourethrography in Pediatric Male Patients.](#)

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[Photon-Counting Detector CT Angiography Versus Digital Subtraction Angiography in Patients with Peripheral Arterial Disease.](#)

Augustin AM, Hartung V, Grunz JP, Hennes JL, Huflage H, Bley TA, **Petritsch B**, Gruschwitz P.
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[Twiddler's syndrome as a rare cause of pacemaker dysfunction.](#)

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