

## Publikationen 2020

**"I was seen by a radiologist, but unfortunately I can't remember the name and I still have questions. What should I do?" Radiologists should give thoughts to improve service professionalism and patient esteem.**

Gutzeit A, Fischmann A, Forstner R, Goette R, Herzog B, Kurtz C, Hebler C, Ladinger A, Froehlich JM, Blautzik J, Kolokythas O, Matoori S, Kos S, Reischauer C, Schefer H, Dubsy P, Gampenrieder SP, Hergan K, Gaissmaier W, Koh DM, Meissnitzer M. "I was seen by a radiologist, but unfortunately I can't remember the name and I still have questions. What should I do?" Radiologists should give thoughts to improve service professionalism and patient esteem. *Cancer Imaging*. 2020 Feb 13;20(1):18. doi: 10.1186/s40644-020-0292-7. PMID: 32054513; PMCID: PMC7020583.

**[Modern diagnosis and therapy of benign thyroid diseases]**

Fischli S, Strobel K, Sol Pérez Lago MD, Arnold W, Wicke C. *Moderne Abklärung und Therapie benigner Schilddrüsenerkrankungen [Modern diagnosis and therapy of benign thyroid diseases]. Ther Umsch*. 2020 Nov;77(9):409-417. German. doi: 10.1024/0040-5930/a001212. PMID: 33146099.

**A Degrading Potassium Tablet Mimicking Active Gastric Bleeding in a Computer Tomographic Investigation.**

Commandeur JP, Metwaly A, Büchler L, Speiser J, Brander L, Reintam Blaser A. *A Degrading Potassium Tablet Mimicking Active Gastric Bleeding in a Computer Tomographic Investigation. Case Rep Radiol*. 2020 Mar 18;2020:9791519. doi: 10.1155/2020/9791519. PMID: 32257495; PMCID: PMC7104116.

**Anomalous insertion of the medial meniscus into a triple bundle anterior cruciate ligament: A rare combination of two anatomical variants.**

Getzmann JM, Bohnert L, Roos JE, Agten CA. *Anomalous insertion of the medial meniscus into a triple bundle anterior cruciate ligament: A rare combination of two anatomical variants. Eur J Radiol Open*. 2020 Feb 17;7:100220. doi: 10.1016/j.ejro.2020.100220. PMID: 32099871; PMCID: PMC7030987.

**Cerebral macro- and microcirculatory blood flow dynamics in successfully treated chronic hypertensive patients with and without white matter lesions**

Müller, M., Österreich, M., Lakatos, L. et al. *Cerebral macro- and microcirculatory blood flow dynamics in successfully treated chronic hypertensive patients with and without white matter lesions. Sci Rep* **10**, 9213 (2020). <https://doi.org/10.1038/s41598-020-66317-x>

**Coil embolization of a thoracic aorta hematoma with branch artery pseudoaneurysm - case report.**

Szabo L, Reyes Del Castillo T, Benz D, Roos J, Seelos R, Lopez-Benitez R. *Coil embolization of a thoracic aorta hematoma with branch artery pseudoaneurysm - case report. CVIR Endovasc. 2020 Aug 16;3(1):40. doi: 10.1186/s42155-020-00128-z. PMID: 32803509; PMCID: PMC7429636.*

**COVID-19 and the role of imaging: early experiences in Central Switzerland**

Fechner C, Strobel K, Treumann T, Sonderegger B, Azzola A, Fornaro J, Schrading S, Roos JE. *COVID-19 and the role of imaging: early experiences in Central Switzerland. Swiss Med Wkly. 2020 Jun 22;150:w20304. doi: 10.4414/smw.2020.20304. PMID: 32580213.*

**Eccentric and Isometric Exercises in Achilles Tendinopathy Evaluated by the VISA-A Score and Shear Wave Elastography.**

Gatz M, Betsch M, Dirrichs T, Schrading S, Tingart M, Michalik R, Quack V. *Eccentric and Isometric Exercises in Achilles Tendinopathy Evaluated by the VISA-A Score and Shear Wave Elastography. Sports Health. 2020 Jul/Aug;12(4):373-381. doi: 10.1177/1941738119893996. Epub 2020 Jan 31. PMID: 32003647.*

**Epiphyseal lymphoid infiltrates of the knee in adolescents.**

Urbanschitz L, Agten CA, Bühler MM, Wetzel MS, Müller DA. *Epiphyseal lymphoid infiltrates of the knee in adolescents. Skeletal Radiol. 2020 Sep 11. doi: 10.1007/s00256-020-03595-6. Epub ahead of print. PMID: 32918112.*

**Faecopneumothorax Caused by Perforated Diaphragmatic Hernia**

Necke K, Heeren N, Mongelli F, FitzGerald M, Fornaro J, Minervini F, Metzger J, Gass JM. *Faecopneumothorax Caused by Perforated Diaphragmatic Hernia. Case Rep Surg. 2020 Aug 10;2020:8860336. doi: 10.1155/2020/8860336. PMID: 32850171; PMCID: PMC7439197.*

**Findings in susceptibility weighted imaging in pediatric patients with migraine with aura**

Frauke Kellner-Weldon, Vera Franziska Lehmann, Philippe Sebastian Breiding, Lorenz Grunder, Raphaela Muri, Manuela Pastore-Wapp, Sandra Bigi, Roland Wiest, Marwan El-Koussy, Nedelina Slavova, *Findings in susceptibility weighted imaging in pediatric patients with migraine with aura, European Journal of Paediatric Neurology, Volume 28, 2020, Pages 221-227, ISSN 1090-3798, <https://doi.org/10.1016/j.ejpn.2020.05.008>.*

**First Phantom-Based Quantitative Assessment of Scandium-44 Using a Commercial PET Device**

Lima Thiago V. M., Gnesin Silvano, Nitzsche Egbert, Ortega Pablo G., Müller Cristina, van der Meulen Nicholas P. *First Phantom-Based Quantitative Assessment of Scandium-44 Using a Commercial PET Device. Frontiers in Physics* 8 2020 <https://www.frontiersin.org/article/10.3389/fphy.2020.00241> 10.3389/fphy.2020.00241  
ISSN=2296-424X

**Imaging features and differential diagnoses of non-neoplastic diffuse mediastinal diseases.**

Tabotta F, Ferretti GR, Prosch H, Boussouar S, Brun AL, Roos JE, Ebner L, Letovanec I, Brauner M, Beigelman-Aubry C. *Imaging features and differential diagnoses of non-neoplastic diffuse mediastinal diseases. Insights Imaging.* 2020 Oct 15;11(1):111. doi: 10.1186/s13244-020-00909-z. PMID: 33057984; PMCID: PMC7561640.

**Imaging Neurovascular Uncoupling in Acute Migraine with Aura with Susceptibility Weighted Imaging**

Kellner-Weldon, F., Jossen, M., Breiding, P.S. et al. *Imaging Neurovascular Uncoupling in Acute Migraine with Aura with Susceptibility Weighted Imaging. Clin Neuroradiol* (2020). <https://doi.org/10.1007/s00062-020-00962-7>

**Impact of metal implants on xSPECT/CT Bone reconstruction: the “shining metal artefact”**

Lima, T.V., Bhure, U., Pérez Lago, M.d.S. et al. *Impact of metal implants on xSPECT/CT Bone reconstruction: the “shining metal artefact”. European J Hybrid Imaging* 4, 18 (2020). <https://doi.org/10.1186/s41824-020-00087-7>

**Induced affective states do not modulate effort avoidance.**

González-García C, García-Carrión B, López-Benítez R, Sobrado A, Acosta A, Ruz M. *Induced affective states do not modulate effort avoidance. Psychol Res.* 2020 Feb 8. doi: 10.1007/s00426-020-01300-9. Epub ahead of print. PMID: 32036442.

**Influence of background lung characteristics on nodule detection with computed tomography.**

Li B, Smith TB, Choudhury KR, Harrawood B, Ebner L, Roos JE, Rubin GD. *Influence of background lung characteristics on nodule detection with computed tomography. J Med Imaging (Bellingham).* 2020 Mar;7(2):022409. doi: 10.1117/1.JMI.7.2.022409. Epub 2020 Jan 25. PMID: 32016136; PMCID: PMC6982463.

**Long-Term Outcomes of Pectoralis Major Transfer for the Treatment of Irreparable Subscapularis Tears: Results After a Mean Follow-up of 20 Years**

Ernstbrunner L, Wieser K, Catanzaro S, Agten CA, Fornaciari P, Bauer DE, Gerber C. *Long-Term Outcomes of Pectoralis Major Transfer for the Treatment of Irreparable Subscapularis Tears: Results After a Mean Follow-up of 20 Years. J Bone Joint Surg Am. 2019 Dec 4;101(23):2091-2100. doi: 10.2106/JBJS.19.00172. PMID: 31800422.*

**Magnetic resonance imaging (MRI) versus single photon emission computed tomography (SPECT/CT) in painful total hip arthroplasty: a comparative multi-institutional analysis.**

Bäcker HC, Steurer-Dober I, Beck M, Agten CA, Decking J, Herzog RF, Geller JA, Bhure U, Roos JE, Strobel K. *Magnetic resonance imaging (MRI) versus single photon emission computed tomography (SPECT/CT) in painful total hip arthroplasty: a comparative multi-institutional analysis. Br J Radiol. 2020 Jan;93(1105):20190738. doi: 10.1259/bjr.20190738. Epub 2019 Oct 31. PMID: 31642691; PMCID: PMC6948088.*

**Mechanical thrombectomy using the new Tigertriever in acute ischemic stroke patients - A Swiss prospective multicenter study**

Gruber P, Diepers M, von Hessling A, Weber J, Kahles T, Anon J, Berberat J, Nedeltchev K, Liebeskind DS, Remonda L. *Mechanical thrombectomy using the new Tigertriever in acute ischemic stroke patients - A Swiss prospective multicenter study. Interv Neuroradiol. 2020 Oct;26(5):598-601. doi: 10.1177/1591019920946499. Epub 2020 Jul 27. PMID: 32720822; PMCID: PMC7645173.*

**Minimum perceivable size difference: how well can radiologists visually detect a change in lung nodule size from CT images?**

Solomon J, Ebner L, Christe A, Peters A, Munz J, Löbelenz L, Klaus J, Richards T, Samei E, Roos JE. *Minimum perceivable size difference: how well can radiologists visually detect a change in lung nodule size from CT images? Eur Radiol. 2020 Sep 30. doi: 10.1007/s00330-020-07326-2. Epub ahead of print. PMID: 32997175.*

**Monitoring jaw osteomyelitis therapy with single-photon emission computed tomography/computed tomography**

Heimann I, Kuttenger J, Della Chiesa A, Bhure U, Del Sol Pérez-Lago M, Roos JE, Lima TVM, Strobel K. *Monitoring jaw osteomyelitis therapy with single-photon emission computed tomography/computed tomography. Nucl Med Commun. 2020 Sep 24. doi: 10.1097/MNM.0000000000001297. Epub ahead of print. PMID: 32991397.*

**MRI of complex regional pain syndrome in the foot**

Agten CA, Kobe A, Barnaure I, Galley J, Pfirrmann CW, Brunner F. *MRI of complex regional pain syndrome in the foot. Eur J Radiol. 2020 Aug;129:109044. doi: 10.1016/j.ejrad.2020.109044. Epub 2020 May 6. PMID: 32534352.*

**Performance of radiography and single-photon emission computed tomography/computed tomography in painful total hip arthroplasty and impact on arthroplasty survival**

Schuldt A, Lehnick D, Agten CA, Beck M, Kist M, Bhure U, Del Sol Pérez Lago M, Strobel K. *Performance of radiography and single-photon emission computed tomography/computed tomography in painful total hip arthroplasty and impact on arthroplasty survival. Nucl Med Commun. 2020 Sep;41(9):875-882. doi: 10.1097/MNM.0000000000001244. PMID: 32796475.*

**Phantom-based image quality assessment of clinical 18F-FDG protocols in digital PET/CT and comparison to conventional PMT-based PET/CT**

Gnesin S, Kieffer C, Zeimpekis K, Papazyan JP, Guignard R, Prior JO, Verdun FR, Lima TVM. *Phantom-based image quality assessment of clinical <sup>18</sup>F-FDG protocols in digital PET/CT and comparison to conventional PMT-based PET/CT. EJNMMI Phys. 2020 Jan 6;7(1):1. doi: 10.1186/s40658-019-0269-4. PMID: 31907664; PMCID: PMC6944719.*

**Phantom-based image quality assessment of clinical 18F-FDG protocols in digital PET/CT and comparison to conventional PMT-based PET/CT.**

Gnesin S, Kieffer C, Zeimpekis K, Papazyan JP, Guignard R, Prior JO, Verdun FR, Lima TVM. *Phantom-based image quality assessment of clinical <sup>18</sup>F-FDG protocols in digital PET/CT and comparison to conventional PMT-based PET/CT. EJNMMI Phys. 2020 Jan 6;7(1):1. doi: 10.1186/s40658-019-0269-4. PMID: 31907664; PMCID: PMC6944719.*

**Quantification of cerebral veins in patients with acute migraine with aura: A fully automated quantification algorithm using susceptibility-weighted imaging**

Breiding PS, Kellner-Weldon F, Grunder L, Scutelnic A, Fischer U, Meinel TR, Slavova N, Gralla J, El-Koussy M, Denier N. *Quantification of cerebral veins in patients with acute migraine with aura: A fully automated quantification algorithm using susceptibility-weighted imaging. PLoS One. 2020 Jun 3;15(6):e0233992. doi: 10.1371/journal.pone.0233992. PMID: 32492059; PMCID: PMC7269254.*

**Robot-Assisted Laparoscopic Partial Nephrectomy Vs Conventional Laparoscopic Partial Nephrectomy: Functional and Surgical Outcomes of a Prospective Single Surgeon Randomized Study.**

Würnschimmel C, Di Pierro GB, Moschini M, Grande P, Baumeister P, Roth M, Mordasini L, Mattei A. *Robot-Assisted Laparoscopic Partial Nephrectomy Vs Conventional Laparoscopic Partial Nephrectomy: Functional and Surgical Outcomes of a Prospective Single Surgeon Randomized Study. J Endourol. 2020 Aug;34(8):847-855. doi: 10.1089/end.2020.0143. Epub 2020 Jul 16. PMID: 32486864.*

**Routine follow-up imaging has limited advantage in the non-operative management of blunt splenic injury in adult patients.**

Liechti R, Fourie L, Stickel M, Schradling S, Link BC, Fischer H, Lehnick D, Babst R, Metzger J, Beeres FJP. *Routine follow-up imaging has limited advantage in the non-operative management of blunt splenic injury in adult patients. Injury. 2020 Apr;51(4):863-870. doi: 10.1016/j.injury.2020.02.089. Epub 2020 Feb 19. PMID: 32111461.*

**Shear Wave Elastography (SWE) for the Evaluation of Patients with Plantar Fasciitis..**

Gatz M, Bejder L, Quack V, Schradling S, Dirrichs T, Tingart M, Kuhl C, Betsch M. *Shear Wave Elastography (SWE) for the Evaluation of Patients with Plantar Fasciitis. Acad Radiol. 2020 Mar;27(3):363-370. doi: 10.1016/j.acra.2019.04.009. Epub 2019 May 30. PMID: 31153782.*

**Shear wave elastography for treatment monitoring of plantar fasciitis.**

Gatz M, Betsch M, Quack V, Bejder L, Schradling S, Tingart M, Dirrichs T. *Shear wave elastography for treatment monitoring of plantar fasciitis. J Sports Med Phys Fitness. 2020 Aug;60(8):1137-1147. doi: 10.23736/S0022-4707.20.10702-3. PMID: 32955840.*

**Single-photon emission computed tomography/computed tomography arthrography of wrist, ankle, and knee joints**

Bhure U, Roos JE, Perez-Lago MDS, Strobel K. *Single-photon emission computed tomography/computed tomography arthrography of wrist, ankle, and knee joints. Nucl Med Commun. 2020 Mar;41(3):182-188. doi: 10.1097/MNM.0000000000001132. PMID: 31895263.*

**Symptomatic and asymptomatic intracranial atherosclerotic stenosis: 3 years' prospective study**

Fischer U, Hsieh-Meister K, Kellner-Weldon F, Galimanis A, Yan X, Kaesmacher J, El-Koussy M, Jung S, Arnold M, Michel P, Wiest R, Mattle HP, Gralla J, Heldner MR. *Symptomatic and asymptomatic intracranial atherosclerotic stenosis: 3 years' prospective study. J Neurol. 2020 Jun;267(6):1687-1698. doi: 10.1007/s00415-020-09750-2. Epub 2020 Feb 25. PMID: 32100122.*

**Temperatur induced configuration changes in hydrogel-coated coils and their relevance in embolization procedures.**

Lopez Benitez R, Reyes Del Castillo T, Kara L, Kettenbach J, Roos J. *Temperature-induced configuration changes in hydrogel-coated coils and their relevance in embolization procedures. CVIR Endovasc. 2020 Dec 10;3(1):96. doi: 10.1186/s42155-020-00189-0. PMID: 33301060.*

**The index vein pointing to the origin of the migraine aura symptom: A case series**

Slavova N, Denier N, El-Koussy M, Wiest R, Kellner-Weldon F, Fischer U, Schankin CJ. *The index vein pointing to the origin of the migraine aura symptom: A case series. Neurology. 2020 Jun 16;94(24):e2577-e2580. doi: 10.1212/WNL.0000000000009493. Epub 2020 Apr 23. PMID: 32327494.*

**Transiente fokale neurologische Episoden als Ausdruck einer kortikalen superfiziellen Siderose**

Eschle, D., von Hessling, A. *Transiente fokale neurologische Episoden als Ausdruck einer kortikalen superfiziellen Siderose. psychopraxis. neuropraxis* **23**, 230–234 (2020). <https://doi.org/10.1007/s00739-020-00658-0>

**Value of SPECT/CT in the assessment of necrotic bone fragments in patients with delayed bone healing or non-union after traumatic fractures**

Bhure U, Agten C, Lehnick D, Perez-Lago MDS, Beeres F, Link BC, Strobel K. *Value of SPECT/CT in the assessment of necrotic bone fragments in patients with delayed bone healing or non-union after traumatic fractures. Br J Radiol.* 2020 Oct 1;93(1114):20200300. doi: 10.1259/bjr.20200300. Epub 2020 Jul 14. PMID: 32663034; PMCID: PMC7548361.