

## Publikationsliste, danske radiografer 2021

1. **Schmidt JK, Debess JE, Møller L.** Magnetic Resonance Therapy in the treatment of osteoarthritis: A scoping review. *Radiography*. 2021;27(3):968-75.
2. **De Raeymaekers L, Martens Illemann N,** Als TJ, **Skjødt MG, Steen Tvergaard M,** Andreasen Struijk LNS. Preliminary examination of the potential of robot-assisted sonography-An ergonomic tool for obstetric sonographers. *Appl Ergon*. 2021;96(103479).
3. EFRS MRSO working group. **Blankholm AD,** Bougais C, Malamateniou et al. *Magnetic Resonance Safety Officer (MRSO) Role Descriptor: An European Qualifications Framework (EQF) benchmarking document*. Nov. 2021. EFRS European Federation of Radiographer Societies, 2021. 14 p. <https://api.efrs.eu/api/assets/posts/256>
4. Williams CJA, Hansen K, Williams N, Jakobsen SR, **Pedersen CCE,** Bertelsen MF, Wang T. The influence of assisted ventilation and recumbency on cardiorespiratory physiology in the anesthetized freshwater turtle *Trachemys scripta scripta*. *Comparative Biochemistry and Physiology* 2021, 260,111036.
5. Kjeldsen LL, **Blankholm AD,** Jurik AG, Salvig JD and Meimburg R. *Pelvic capacity in pregnant women, identified using magnetic resonance imaging*. *Acta Obstetrica et Gynecologica Scandinavica*, 2021; 100, (8):1454-1462.
6. Henriksen P., **Brage K.,** Junge T., Juul-Kristensen B., Bojsen-Møller J. & Thorlund J. B. Concurrent validity and intra-rater reliability of two ultrasound-based methods for assessing patella tendon stiffness. *Ultrasound*. 2021;30(1): 18-27.
7. Ormstrup TE, Rafaelsen SR & **Pedersen MRV.** Cancers detected by thoracoabdominal computed tomography in patients with nonspecific symptoms. *Dan Med J* 2021; 68(11):A03210195.
8. Erik Frostberg, **Pedersen MRV,** Manhoobi Y, Rahr HB, Rafaelsen SR. Three different computered tomography obesity indices, two stadard methods, and one novel measurement, and their association with outcomes after colorectal cancer surgery. *Acta Radiologica*, 2021, 62(2), 182-189.
9. Grimm P, Loft MK, Dam C, **Pedersen MRV,** Timm S, Rafaelsen SR. Intra and interobserver variability in magnetic resonance imaging measurements in rectal cancer patients. *Cancers*, 2021, 13, 5120.
10. Harrison G, Martin Dos Santos R, Kraus B & **Pedersen MRV.** Radiographers in ultrasound: Motivation and role expansion. A survey of European federation of Radiographer Societies (EFRS). *Radiography*, 2021, 27(4):1185-1191.
11. Harrision G, Krau B, Martin Dos Santos R, Noij-Rijkes S & **Pedersen MRV.** The role of radiograpers in ultrasound: A survey of national societies within the European Federation of Radiographer Societies (EFRS). *Radiography*, 27, 761-767.
12. Loft MK, **Pedersen MRV,** Rahr HB, Rafaelsen SR. Can ultrasound elastography discriminate between rectal adenoma and cancer? A systematic review. *Cancers*, 2021, 13, 4158.

13. Loft MK, Rafaelsen SR, **Pedersen MRV**. Spontaneous dissolution of a cyst located within the septum pellucidum in a patient with sarcoidosis: a case report. *Acta Radiologica Open*, 2021 10(1):2058460120985519.
14. Otto, PO, Loft MK, Grimm P, Rafaelsen SR & **Pedersen MRV**. Ultrasound and contrast enhanced CT imaging of a colon mesentery leiomyosarcoma. *European Journal of Radiology Open*. 2021, 8;100376.
15. **Pedersen MRV**, Osther PJ, Rafaelsen SR. Shorter anogenital distance is observed in patients with testicular microlithiasis using magnetic resonance imaging. *Insights into imaging*, 2021, 12(1):46.
16. **Pedersen MRV**. The sonographer dilemma: Ultrasound follow-up in patients with small gallbladder polyps. *Radiography Open*, 2021, vol 7(1), 79-82.
17. **Pedersen MRV**, Rafaelsen SR, Linebjerg J, Hansen TF, Rahr HB. The impact of patient characteristics and tumor accuracy of preoperative staging of colon cancer in Denmark. A national cohort study. *Cancers*, 2021, 13, 4384. <https://doi.org/10.3390/cancers13174384>
18. Abdi AJ, **Mussmann BR**, Mackenzie A, Gerke O, Jørgensen GM, Bechsgaard TE, **Jensen J**, Olsen LB, Andersen PE: Visual Evaluation of Image Quality of a Low Dose 2D/3D Slot Scanner Imaging System Compared to Two Conventional Digital Radiography X-Ray Imaging Systems. *Diagnostics* 2021, 11(10)
19. Abdi AJ, **Mussmann BR**, Mackenzie A, Gerke O, Klaerke B, Andersen PE: Quantitative image quality metrics of low-dose 2D/3D slot scanner compared to two conventional Digital Radiography X-ray imaging systems. *Diagnostics* 2021, 11(9)
20. **Mussmann B**, Hardy M, **Jensen J**: There's nothing plain about projection radiography! A discussion paper. 2021, *Radiography* 2021;27(4) 1227-1230
21. **Mussmann B**, Hardy M, Jung H, Ding M, Osther PJ, Fransen ML, Greisen PW, Graumann O: Renal stone detection using a low kilo-voltage paediatric CT protocol – A porcine phantom study. *J Med Rad Sci* 2021.
22. Saukko E, Henner A, Fridell K, Anderson B, **Mussmann B**, Debess J, Bolejko A, Sanderud A: Radiographers' involvement in research activities and opinions on radiography research: a Nordic survey. *Radiography* 2021; 27(3)
23. **Mussmann B**, Hardy M, Jung H, Ding M, Osther PJ, Graumann O: Can dual energy CT with fast kV switching determine renal stone composition accurately? *Acad Radiol* 2021;28(3)
24. **Mussmann B**, **Mørup SD**, **Skov-Madsen P**, Foley S, Brenøe AS, Eldahl F, Jørgensen GM, **Precht H**: The effect of Organ-based tube current modulation on CT-chest scans. *Radiography* 2021;27(1):1-7

25. **Mussmann B**, Hardy M, McFadden S, **Rajalingam R**, **Peters D**, Abdi A: Local diagnostic reference levels for skeletal surveys in suspected physical child abuse. *Radiography* 2021;27(2): 425-29
26. **Olloni SS**, **Villadsen N**, **Mussmann B**: Pediatric MRI without anesthesia: The effect of application-supported communication to prepare the child. *J Radiol Nursing* 2021;40(1): 56-60
27. **Bisgaard M**, McEvoy FJ, Nielsen DH, Allberg C, Müller AV, Timm S, **Meyer SN**, **Johansen LM**, **Pedersen S**, **Precht H**. Collimation and exposure parameter influence image quality and potential radiation dose to the eye lens of personnel in computed radiography of the canine pelvis. *Frontiers Veterinary Sciences* 2021. 14;8:684064. DOI: 10.3389/fvets.2021.684064.
28. Sheta HM, **Precht H**, Busk CAGR, Egstrup K, Nieman K, Lambrechtsen J. Dual-energy CT plaque characteristics of post-mortem thin-cap fibroatheroma in comparison to infarct-related culprit lesions. *Heart and Vessels* 2021.37(3):400-410. DOI: 10.1007/s00380-021-01942-8.
29. **Mørup SV**, Stowe J, **Precht H**, Foley S. Design of a 3D printed coronary artery model for CT optimization Radiography. *Radiography* 2021; 20; S1078-8174(21)00122-X. DOI: 10.1016/j.radi.2021.09.001.
30. **Bisgaard M**, **Andersen PAB**, **Jensen AT**, **Sørensen CB**, **Larsen TS**, **Jensen JM**, **Precht H**. Exploring Radiographers' Experience with Mobile X-ray of Patients in their Homes. *Radiography* 2021. 28(1):102-106. DOI: 10.1016/j.radi.2021.08.008.
31. Heinsen LJ, Pararajasingam G, Andersen TR, Auscher S, Sheta HM, **Precht H**, Lambrechtsen J, Egstrup K. High-risk coronary artery plaque in asymptomatic patients with type 2 diabetes: clinical risk factors and coronary artery calcium score. *Cardiovasc Diabetol* (2021) 20:164. <https://DOI.org/10.1186/s12933-021-01350-2>.
32. **Jensen J**, Tromborg HB, Rasmussen BSB, Gerke O, Torfing T, **Precht H**, Graumann O. Dorsal Tilt of the Distal Radius Fracture Changes with Forearm Rotation when Measured on Radiographs. *Journal of Hand Surgery Global Online* 2021. 3;4: 182-189.
33. **Kusk MW**, **Gram EH**, **Nielsen J**, **Jensen J**, **Precht H**. Anode heel effect: Does it impact image quality in Digital Radiography? A systematic literature review. *Radiography* 2021. 27(3):976-981. DOI: 10.1016/j.radi.2021.02.014.
34. **Precht H**, **Outzen CB**, **Kusk MW**, **Bisgaard M**, Waaler D. Comparison of conventional hand examination on six optimized DR systems. *Radiation Protection Dosimetry* 2021. 31;194(1):27-35. DOI: 10.1093/rpd/ncab067.
35. **Outzen C**, **Maron D**, **Nissen J**, **Munk J**, **Grau LM**, **Juhl D**, **Precht H**. The influence of a novel edge enhancement software on image quality of DR hand images of patients with rheumatoid arthritis. *Radiography* 2021. 27(3):877-882. DOI: 10.1016/j.radi.2021.02.006.
36. **Jensen J**, Tromborg HB, Rasmussen BSB, Gerke O, Torfing T, **Precht H**, Grauman O. The effect of forearm rotation on radiographic measurements of the wrist: an experimental study using radiostereometric analyses on cadavers. *European Radiology, Experimental* 2021. 2;5(1):15. DOI:

10.1186/s41747-021-00209-1.

37. Hansen, J. A., Naghavi-Behzad, M., Gerke, O., **Baun, C.**, Falch, K., Duvnjak, S., Alavi, A., Høilund-Carlsen, P. F. & Hildebrandt, M. G.: Diagnosis of bone metastases in breast cancer: Lesion-based sensitivity of dual-time-point FDG-PET/CT compared to low-dose CT and bone scintigraphy. *PLOS ONE* 2021, 16, 11, 12 p., e0260066.
38. Pilecki, B., de Carvalho, P. V. S. D., Kirketerp-Møller, K. L., Schlosser, A., Kejling, K., Dubik, M., Madsen, N. P., Stubbe, J., Hansen, P. B. L., Andersen, T. L., Moeller, J. B., Marcussen, N., Azevedo, V., Hvidsten, S., **Baun, C.**, Shi, G-P., Lindholt, J. S. & Sorensen, G. L.: MFAP4 Deficiency Attenuates Angiotensin II-Induced Abdominal Aortic Aneurysm Formation Through Regulation of Macrophage Infiltration and Activity. *Frontiers in Cardiovascular Medicine*. 2021, 8, 15 p., 764337.
39. Kjeld T, **Møller J, Fogh K**, Hansen EG, Arendrup HC, Isbrand AB, Zerahn B, Højberg J, Ostenfeld E, Thomsen H, Gormsen LC, Carlsson M. Cardiac hypoxic resistance and decreasing lactate during maximum apnea in elite breath hold divers. *Sci Rep*. 2021 Jan 28;11(1):2545.
40. **Møller JM**, Andreasen CM, Buus TW, Pedersen SJ, Østergaard M, Thomsen HS, Anne G Jurik AG. Diffusion-weighted MR imaging in chronic non-bacterial osteitis: Proof-of-concept of the apparent diffusion coefficient as an outcome measure. *Acta Radiol Open*. 2021; 10(9):20584601211044478
41. Moller-Bisgaard S, Georgiadis S, Horslev-Petersen K, Ejbjerg B, Hetland ML, Ornbjerg LM Glinatsi D, **Moller J**, Boesen M, Stengaard-Pedersen K, Madsen OR, Jensen B, Villadsen JA, Hauge EM, Bennett P, Hendricks O, Asmussen K, Kowalski M, Lindegaard H, Bliddal H, Krogh NS, Ellingsen T, Nielsen AH, Balding L, Jurik AG, Thomsen HS, Ostergaard M. Predictors of joint damage progression and stringent remission in patients with established rheumatoid arthritis in clinical remission. *Rheumatology (Oxford)* 2021;60 (1) 380-391
42. Moller-Bisgaard S, Horslev-Petersen K, Ejbjerg B, Hetland ML, Christensen R, Ornbjerg LM, Glinatsi D, **Moller JM**, Boesen M, Stengaard-Pedersen K, Madsen OR, Jensen B, Villadsen JA, Hauge EM, Bennett P, Hendricks O, Asmussen K, Kowalski M, Lindegaard H, Bliddal H, Krogh NS, Ellingsen T, Nielsen AH, Larsen L, Jurik AG, Thomsen HS, Ostergaard M. Effect of initiating biologics compared to intensifying conventional DMARDs on clinical and MRI outcomes in established rheumatoid arthritis patients in clinical remission: Secondary analyses of the IMAGINE-RA trial. *Scand J Rheumatol*. 2021 Sep 2:1-11.
43. Terslev L, Brahe CH, Hetland ML, Georgiadis S, Ellegaard K, Juul L, Huynh T, Dohn UM, Fana V, Moller T, Krabbe S, Ornbjerg LM, Glinatsi D, Rogind H, Hansen A, Norregaard J, Jacobsen S, Jensen DV, Manilo N, Asmussen K, Boesen M, Rastiemadabadi Z, Morsel-Carlsen L, **Moller JM**, Krogh NS, Ostergaard M. Doppler ultrasound predicts successful discontinuation of biological DMARDs in rheumatoid arthritis patients in clinical remission. *Rheumatology (Oxford)*. 2021;60(12):5549-5559.
44. Wetterslev M, Georgiadis S, Juul Sorensen I, Juhl Pedersen S, Christiansen SN, Hetland ML, Brahe CH, Bakkegaard M, Duer A, Boesen M, Gosvig KK, **Moller JM**, Krogh NS, Jensen B, Madsen OR, Christensen J, Hansen A, Norregaard J, Rogind H, Ostergaard M. Tapering of TNF inhibitors in axial spondyloarthritis in routine care-2-year clinical and MRI outcomes and predictors of successful tapering. *Rheumatology (Oxford)*. 2021 Oct 12. doi: 10.1093/rheumatology/keab755.
45. Wetterslev M, Ostergaard M, Sorensen IJ, Weber U, Loft AG, Kollerup G, Juul L, Thamsborg G, Madsen OR, **Moller JM**, Pedersen SJ. Development and Validation of 3 Preliminary MRI Sacroiliac

- Joint Composite Structural Damage Scores in a 5-year Longitudinal Axial Spondyloarthritis Study. *J Rheumatol.* 2021;48(10):1537-1546.
46. Müller FC, Gosvig KK, Østergaard M, Roed B, Rodell A, **Børgesen H**, Krauss B, Gade JS, Boesen M. Quantifying the bone marrow composition of the healthy adult wrist with dual-energy CT. *Eur J Radiol* 2021;139 doi: 10.1016/j.ejrad.2021.109725
  47. Bandak E, Boesen M, Bliddal H, Daugaard C, Hangaard S, Bartholdy C, **Damm Nybing J**, Kubassova O, Henriksen M. The effect of exercise therapy on inflammatory activity assessed by MRI in knee osteoarthritis: Secondary outcomes from a randomized controlled trial. *Knee.* 2021;28:256-265.
  48. Agergaard AS, Malmgaard-Clausen NM, Svensson RB, **Nybing JD**, Boesen M, Kjaer M, Magnusson SP, Hansen P. UTE T2\* mapping of tendinopathic patellar tendons: an MRI reproducibility study. *Acta Radiol.* 2021;62(2):215-224
  49. Malmgaard-Clausen NM, Jørgensen OH, Høffner R, Andersen PEB, Svensson RB, Hansen P, **Nybing JD**, Magnusson SP, Kjær M. No Additive Clinical or Physiological Effects of Short-term Anti-inflammatory Treatment to Physical Rehabilitation in the Early Phase of Human Achilles Tendinopathy: A Randomized Controlled Trial. *Am J Sports Med.* 2021 Jun;49(7):1711-1720.
  50. Miger KC, Fabricius-Bjerre A, Maschmann CP, Wamberg J, Winkler Wille MM, Abild-Nielsen AG, Pedersen L, Lawaetz Schultz HH, **Damm Nybing J**, Nielsen OW. Clinical Applicability of Lung Ultrasound Methods in the Emergency Department to Detect Pulmonary Congestion on Computed Tomography. *Ultraschall Med.* 2021 Jun;42(3):e21-e30.
  51. Bayer ML, Hoegberget-Kalisz M, Svensson RB, Hjortshøj MH, Olesen JL, **Nybing JD**, Boesen M, Magnusson SP, Kjaer M. Chronic Sequelae After Muscle Strain Injuries: Influence of Heavy Resistance Training on Functional and Structural Characteristics in a Randomized Controlled Trial. *Am J Sports Med.* 2021;49(10):2783-2794.
  52. Malmgaard-Clausen NM, Tran P, Svensson RB, Hansen P, **Nybing JD**, Magnusson SP, Kjaer M. Magnetic Resonance T<sub>2</sub>\* Is Increased in Patients With Early-Stage Achilles and Patellar Tendinopathy. *J Magn Reson Imaging.* 2021;54(3):832-839.
  53. Couppé C, Svensson RB, Skovlund SV, Jensen JK, Eriksen CS, Malmgaard-Clausen NM, **Nybing JD**, Kjaer M, Magnusson SP. Habitual side-specific loading leads to structural, mechanical, and compositional changes in the patellar tendon of young and senior lifelong male athletes. *J Appl Physiol (1985).* 021;131(4):1187-1199.
  54. Müller FC, **Raaschou H**, Akhtar N, Brejnebo M, Collatz L, Andersen MB. Impact of Concurrent Use of Artificial Intelligence Tools on Radiologists Reading Time: A Prospective Feasibility Study. *Acad Radiol.* 2022;29(7):1085-1090.