



Publikationer fordelt på fagområde/forskningsområde

Håndkirurgi/RSA/mikrodialyse

1. Cemented and cementless dual mobility cups show similar fixation, low polyethylene wear, and low serum cobalt-chromium in elderly patients: a randomized radiostereometry study with 6 years' follow-up. Jørgensen PB, Tabori-Jensen S, Mechlenburg I, Homilius M, Hansen TB, Stilling M. *Acta Orthop.* 2022 Dec 16;93:906-913. doi: 10.2340/17453674.2022.5761.
2. Subtherapeutic perioperative levels of cefuroxime inside a cannulated pedicle screw used in spine surgery – results from a porcine microdialysis study. Magnus A. Hvistendahl, Pelle Hanberg, Maiken Stilling, Alexander Emil Kaspersen, Kristian Høy, Mats Bue. *Acta Orthopaedica*, 2022 Nov 28;93:874-879. doi: 10.2340/17453674.2022.5276.
3. Radiostereometric analysis: comparison of radiation dose and precision in digital and computed radiography *Archives of Orthopaedic and Trauma Surgery*. Peter Bo Jørgensen, Nicolai Krag-Nielsen, Lars Lindgren, Rikke Mørup, Bart Kaptein, Maiken Stilling. *Archives of Orthopaedic and Trauma Surgery*, 2022 Nov 23. Online ahead of print. doi: 10.1007/s00402-022-04674-0.
4. The relationship between muscle power, functional performance, accelerometer-based measurement of physical activity and patient-reported outcomes in patients with hip osteoarthritis: A cross-sectional study. Frederik Foldager, Peter Bo Jørgensen, Lisa Urup Tønning, Emil Toft Petersen, Stig Storgaard Jakobsen, Dovydas Vainorius, Maiken Stilling, Inger Mechlenburg. *Musculoskelet Sci Pract.* 2022 Dec;62:102678. doi.org/10.1016/j.msksp.2022.102678
5. Intermittent Short-Term Infusion vs. Continuous Infusion of Piperacillin: Steady State Concentrations in Porcine Cervical Spine Tissue Evaluated by Microdialysis. Petersen EK, Hanberg P, Knudsen M, Tøstesen SK, Jørgensen AR, Öbrink-Hansen K, Søballe K, Stilling M, Bue M. *Antibiotics (Basel)*. 2022 Jul 7;11(7):910. doi: 10.3390/antibiotics11070910.
6. Osteoporosis does not affect bone mineral density change in the proximal humerus or the functional outcome after ORIF unilateral displaced 3- or 4-part fractures at 12 months follow-up. Bue M, Bright E, Thillemann TM, Mosegaard SB, Hansen TB, Klebe T, Mechlenburg I, Stilling M. *J Shoulder Elbow Surg.* 2022 Aug 20:S1058-2746(22)00634-6. Online ahead of print. doi: 10.1016/j.jse.2022.07.008.
7. Abdominal tissue concentrations and penetration of carboplatin in a HIPEC procedure – assessment in a novel porcine model. Petersen EK, Bue M, Harlev C, Jørgensen AR, Schmedes AV, Hanberg P, Petersen LK, Stilling M. *Pleura Peritoneum.* 2022 Jun 6;7(3):117-125. doi: 10.1515/pp-2022-0110.
8. Active clinical issues at discharge predict readmission within 30 days and one year following hip fracture surgery. Frandsen CF, Stilling M, Glassou EN, Pedersen ABL, Hansen TB. *Eur Geriatr Med.* 2022 Dec;13(6):1477-1486. doi: 10.1007/s41999-022-00707-4.
9. Larger 5-year migration but similar polyethylene wear of cementless hemispherical cups with electrochemically applied hydroxyapatite (BoneMaster) coating compared with porous plasma-spray titanium: a randomized 5-year RSA study. Breddam Mosegaard S, Jørgensen PB, Storgaard Jakobsen S, Daugaard H, Søballe K, Stilling M. *Acta Orthop.* 2022 Jul 14;93:658-664. doi: 10.2340/17453674.2022.3976.
10. Medial congruent polyethylene design show different tibiofemoral kinematics and enhanced congruency compared to a standard symmetrical cruciate retaining design for total knee

- arthroplasty-an in vivo randomized controlled study of gait using dynamic radiostereometry. Petersen ET, Rytter S, Koppens D, Dalsgaard J, Hansen TB, Andersen MS, Stilling M. *Knee Surg Sports Traumatol Arthrosc.* 2022 Jul 9. Online ahead of print. doi: 10.1007/s00167-022-07036-w.
11. Distal radioulnar joint kinematics before surgery and 12 months following open foveal reinsertion of the triangular fibrocartilage complex: comparison with the contralateral non-injured joint. Thillemann JK, De Raedt S, Petersen ET, Puhakka KB, Hansen TB, Stilling M. *Acta Orthop.* 2022 Jun 21;93:574-582. doi: 10.2340/17453674.2022.3141.
 12. Concentrations of co-administered vancomycin and meropenem in the internal dead space of a cannulated screw and in cancellous bone adjacent to the screw - Evaluated by microdialysis in a porcine model. Vittrup S, Stilling M, Hanberg P, Tøstesen SK, Knudsen MB, Kipp JO, Bue M. *Injury.* 2022 Aug;53(8):2734-2740. doi: 10.1016/j.injury.2022.06.008.
 13. Cefuroxime concentrations in the anterior and posterior column of the lumbar spine - an experimental porcine study. Hvistendahl MA, Bue M, Hanberg P, Kaspersen AE, Schmedes AV, Stilling M, Høy K. *Spine J.* 2022 Sep;22(9):1434-1441. doi: 10.1016/j.spinee.2022.05.010.
 14. Electrochemically applied hydroxyapatite on the cementless porous surface of Bi-Metric stems reduces early migration and has a lasting effect: an efficacy trial of a randomized five-year follow-up radiostereometric study. Knudsen MB, Thillemann JK, Jørgensen PB, Jakobsen SS, Daugaard H, Søballe K, Stilling M. *Bone Joint J.* 2022 Jun;104-B(6):647-656. doi: 10.1302/0301-620X.104B6.BJJ-2021-1545.R1.
 15. The majority of community-dwelling hip fracture patients return to independent living with minor increase in care needs: a prospective cohort study. Frandsen CF, Stilling M, Glassou EN, Hansen TB. *Arch Orthop Trauma Surg.* 2022 May 20. Online ahead of print. doi: 10.1007/s00402-022-04472-8.
 16. Evaluation of automated radiostereometric image registration in total knee arthroplasty utilizing a synthetic-based and a CT-based volumetric model. Petersen ET, Vind TD, Jürgens-Lahnstein JH, Christensen R, de Raedt S, Brüel A, Rytter S, Andersen MS, Stilling M. *J Orthop Res.* 2023 Feb;41(2):436-446. doi: 10.1002/jor.25359.
 17. Steady-state concentrations of flucloxacillin in porcine vertebral cancellous bone and intervertebral disc following oral and intravenous administration assessed by microdialysis. Bendtsen MAF, Hanberg P, Slater J, Hansen J, Öbrink-Hansen K, Stilling M, Bue M. *Eur Spine J.* 2022 Jun;31(6):1508-1514. doi: 10.1007/s00586-022-07208-9.
 18. Polyethylene liner motion in dual-mobility hip prostheses: static and dynamic radiostereometry in 16 patients 1 year after operation. Jørgensen PB, Kaptein BL, Søballe K, Jakobsen SS, Stilling M. *Acta Orthop.* 2022 Mar 21;93:375-381. doi: 2340/17453674.2022.2253.
 19. Population Pharmacokinetics of Flucloxacillin In Bone and Soft Tissue- Standard Dosing is Not Sufficient to Achieve Therapeutic Concentrations. Öbrink-Hansen K, Pham AD, Bue M, Hanberg P, Bendtsen M, Slater J, Friberg LE, Thorsted A, Stilling M. *Pharm Res.* 2022 Jul;39(7):1633-1643. doi: 10.1007/s11095-022-03197-y.
 20. Early offset-increasing migration predicts later revision for humeral head resurfacing implants. A randomized controlled radiostereometry trial with 10-year clinical follow-up. Tøttrup M., Thillemann J.K., Thillemann T.M., Mechlenburg I., Klebe T., Søballe K., Stilling M. *J Orthop Res.* 2022 Nov;40(11):2688-2697. doi: 10.1002/jor.25298.
 21. High Cefuroxime Concentrations and Long Elimination in an Orthopaedic Surgical Deadspace – A microdialysis porcine study Tøstesen, S.K., Stilling, M., Hanberg, P., Thillemann, T.M., Falstie-Jensen, T., Tøttrup, M., Knudsen, M., Petersen, E.T., Bue, M. *Antibiotics (Basel).* 2022 Feb 7;11(2):208. doi: 10.3390/antibiotics11020208.
 22. Tibial bone and soft-tissue concentrations following combination therapy with vancomycin and meropenem - evaluated by microdialysis in a porcine model: should patients with open fractures have higher doses of antibiotics? Vittrup SØ, Hanberg P, Knudsen MB, Tøstesen SK, Kipp JO, Hansen J, Jørgensen NP, Stilling M, Bue M. *Bone Joint Res.* 2022 Feb;11(2):112-120. doi:

23. Effectiveness of a bandage to prevent re-dislocation after total hip arthroplasty in patients with a previous hip dislocation. A randomized controlled trial with 12-week follow-up. Mechlenburg I, Knak J, Mosegaard SB, Axelsen M, Krarup Jensen N, Hansen TB, Stilling M. *Clin Rehabil.* 2022 Jun;36(6):767-775. doi: 10.1177/02692155221081462.
24. Migration pattern of cemented Exeter short stem in Dorr type A femurs. A prospective radiostereometry study with 2-year follow-up. Vind TD, Jørgensen PB, Vainorius D, Jakobsen SS, Søballe K, Stilling M. *Arch Orthop Trauma Surg.* 2022 Feb 3. Online ahead of print. doi: 10.1007/s00402-021-04307-y.
25. Component migration, bone mineral density changes, and bone turnover markers in cementless and cemented total knee arthroplasty: a prospective randomized RSA study in 53 patients with 2-year follow-up. Linde KN, Rytter S, Søballe K, Madsen F, Langdahl B, Stilling M. *Knee Surg Sports Traumatol Arthrosc.* 2022 Sep;30(9):3100-3113. doi: 10.1007/s00167-022-06860-4.
26. Moxifloxacin Concentrations in the Knee Joint, Tibial Bone, and Soft Tissue When Combined with Rifampicin: A Randomized Porcine Microdialysis Study. Slater J, Stilling M, Hanberg P, Fichtner Bendtsen MA, Jørgensen AR, Søballe K, Jørgensen NP, Bue M. *J Bone Joint Surg Am.* 2022 Jan 5;104(1):49-54. doi: 10.2106/JBJS.21.00549.
27. Hip joint motion does not change one year after arthroscopic osteochondroplasty in patients with femoroacetabular impingement evaluated with dynamic radiostereometry. Hansen L, de Raedt S, Jørgensen PB, Mygind-Klavsen B, Rømer L, Kaptein B, Søballe K, Stilling M. *J Exp Orthop.* 2022 Jan 5;9(1):4. doi: 10.1186/s40634-021-00427-x.
28. Normal Values of Distal Radioulnar Joint Kinematics during a Dynamic Press Test. Thillemann JK, De Raedt S, Petersen ET, Puhakka KB, Hansen TB, Stilling M. *J Wrist Surg.* 2021 Dec 27;11(5):406-415. eCollection 2022 Oct. doi: 10.1055/s-0041-1740486
29. Weight-based cefuroxime dosing provides comparable orthopedic target tissue concentrations between weight groups - a microdialysis porcine study. Tøstesén SK, Hanberg P, Bue M, Thillemann TM, Falstie-Jensen T, Tøttrup M, Knudsen MB, Schmedes AV, Stilling M. *APMIS.* 2022 Feb;130(2):111-118. doi: 10.1111/apm.13198.
30. Malnutrition, poor function and comorbidities predict mortality up to one year after hip fracture: a cohort study of 2800 patients. Frandsen CF, Glassou EN, Stilling M, Hansen TB. *Eur Geriatr Med.* 2022 Apr;13(2):433-443. doi: 10.1007/s41999-021-00598-x.
31. Patients with knee osteoarthritis can be divided into subgroups based on tibiofemoral joint kinematics of gait - an exploratory and dynamic radiostereometric study. Petersen ET, Rytter S, Koppens D, Dalsgaard J, Hansen TB, Larsen NE, Andersen MS, Stilling M. *Osteoarthritis Cartilage.* 2022 Feb;30(2):249-259. doi: 10.1016/j.joca.2021.10.011.
32. Development, construction, and validation of a thinner uniplanar calibration cage for radiostereometry. Jürgens-Lahnstein JH, Petersen ET, Laursen M, Hauskov Iversen C, Kaptein BL, Lindgren L, Stilling M. *J Orthop Res.* 2022 Jul;40(7):1645-1653. doi: 10.1002/jor.25193.

Ortopædisk onkologi

1. Georgiesh T, Aggerholm-Pedersen N, Schöffski P, Zhang Y, Napolitano A, Bovée JVMG, Hjelle Å, Tang G, Spalek M, Nannini M, Swanson D, Baad-Hansen T, Sciort R, Hesla AC, Huang P, Dorleijn D, Haugland HK, Lacambra M, Skoczylas J, Pantaleo MA, Haas RL, Meza-Zepeda LA, Haller F, Czarnecka AM, Loong H, Jebsen NL, van de Sande M, Jones RL, Haglund F, Timmermans I, Safwat A, Bjerkehagen B, Boye K. Validation of a novel risk score to predict early and late recurrence in solitary fibrous tumour. *Br J Cancer.* 2022 Nov;127(10):1793-1798. doi: 10.1038/s41416-022-01959-4. Epub 2022 Aug 27. PMID: 36030294; PMCID: PMC9643389.

2. Andersen NH, Hauge EM, Baad-Hansen T, Groth KA, Berglund A, Gravholt CH, Stochholm K. Musculoskeletal diseases in Marfan syndrome: a nationwide registry study. *Orphanet J Rare Dis.* 2022 Mar 5;17(1):118. doi: 10.1186/s13023-022-02272-2. PMID: 35248143; PMCID: PMC8898450.
3. Holm CE, Grazal CF, Raedkjaer M, Baad-Hansen T, Nandra R, Grimer R, Forsberg JA, Petersen MM, Skovlund Soerensen M. Development and comparison of 1-year survival models in patients with primary bone sarcomas: External validation of a Bayesian belief network model and creation and external validation of a new gradient boosting machine model. *SAGE Open Med.* 2022 Feb 8;10:20503121221076387. Doi: 1177/20503121221076387. PMID: 35154743; PMCID: PMC8832594.
4. Anneberg M, Svane HML, Fryzek J, Nicholson G, White JB, Edris B, Smith LM, Hooda N, Petersen MM, Baad-Hansen T, Keller JØ, Jørgensen PH, Pedersen AB. The epidemiology of desmoid tumors in Denmark. *Cancer Epidemiol.* 2022 Apr;77:102114. doi: 10.1016/j.canep.2022.102114. Epub 2022 Feb 1. PMID: 35121405.

Traumatologi/infektionskirurgi

1. Septic arthritis and osteomyelitis of the pubic symphysis - a retrospective study of 26 patients. Hansen RL, Bue M, Borgognoni AB, Petersen KK. *J Bone Jt Infect.* 2022 Feb 25;7(1):35-42. doi: 10.5194/jbji-7-35-2022. PMID: 35251903; PMCID: PMC8892565.
2. Accelerated bone growth, but impaired implant fixation in allograft bone mixed with nano-hydroxyapatite - an experimental study in 12 canines. Petersen LL, Baas J, Sørensen M, Bechtold JE, Søballe K, Barckman J. *J Exp Orthop.* 2022 Apr 23;9(1):35. doi: 10.1186/s40634-022-00465-z.
3. Dislocation rate, revisions and other complications of primary cemented hemiarthroplasty for displaced femoral neck fractures: a single-center cohort study of 743 unselected hips with a mean 2.7-year follow-up. Bue M, Jakobsen SS, Barckman J, Tábori-Jensen S. *Arch Orthop Trauma Surg.* 2022 Dec;142(12):3797-3802. doi: 10.1007/s00402-021-04252-w. Epub 2021 Nov 15.
4. Cemented and cementless dual mobility cups show similar fixation, low polyethylene wear, and low serum cobalt-chromium in elderly patients: a randomized radiostereometry study with 6 years' follow-up. Jørgensen PB, Tabori-Jensen S, Mechlenburg I, Homilius M, Hansen TB, Stilling M. *Acta Orthop.* 2022 Dec 16;93:906-913. doi: 10.2340/17453674.2022.5761.
5. The Interobserver Reliability of Grading of Distal Radius Volar Plate Prominence *J Hand Surg Am* 2022 Nov;47(11):1095-1100. Tom J Crijns, Patrick Merkel, Joost T P Kortlever, K John Wagner 3rd, David Ring, Gregg Vagner, Teun Teunis; Science of Variation Group (Ole Brink)
6. Amplicon-Based Next-Generation Sequencing as a Diagnostic Tool for the Detection of Phylotypes of *Cutibacterium acnes* in Orthopedic Implant-Associated Infections. *Front Microbiol.* 2022 Apr 7;13:866893. Ponraj DS, Lange J, Falstie-Jensen T, Jørgensen NP, Ravn C, Poehlein A, Brüggemann H.
7. The positive predictive value of ankle fracture diagnosis in the Danish National Patient Registry. Gundtoft PH, Danielsson FB, Houliind M, Mortensen SO, Corap Y, Bonde N, Brix M, Barckman J, Terndrup M, Viberg B. *Dan Med J.* 2022 Nov 1;69(12):A01220032.
8. Fracture-related infections Gundtoft PH, Bue MH, Hansen RL, Gottlieb H, Ravn C, Petersen KK *Ugeskr Laeger.* 2022 Oct 10;184(41):V01220061.
9. Reoperation for sliding hip screws vs cannulated cancellous screws in femoral neck fractures: A study from the Danish Fracture Database Collaborators. Viberg B, Barat S, Rotwitt L, Gundtoft PH, *Injury.* 2022 Nov;53(11):3805-3809.
10. Preoperative templating in orthopaedic fracture surgery: The past, present and future. Mensel C, Gundtoft PH, Brink O. *Injury.* 2022 Nov;53 Suppl 3:S42-S46. doi: 10.1016/j.injury.2022.09.005. Epub 2022 Sep 10.

11. Epidemiology and trends in management of acute proximal humeral fractures in adults: an observational study of 137,436 cases from the Danish National Patient Register, 1996-2018. Brorson S, Viberg B, Gundtoft P, Jalal B, Ohrt-Nissen S. *Acta Orthop*. 2022 Sep 20;93:750-755.
12. Risk factors for nonunion following surgically managed, traumatic, diaphyseal fractures: a systematic review and meta-analysis. Jensen SS, Jensen NM, Gundtoft PH, Kold S, Zura R, Viberg B. *EFORT Open Rev*. 2022 Jul 5;7(7):516-525.
13. Secondary surgeries 20 years after surgical and non-surgical treatment of ACL rupture: A population-based cohort study. Melbye P, Gundtoft P, Lien-Iversen T, Barklin Morgan D, Pörneki JC, Viberg B. *Knee*. 2022 Mar;35:1-7.
14. Sliding hip screw vs intramedullary nail for AO/OTA31A1-A3: a systematic review and meta-analysis. Wessels JO, Bjarnesen MP, Erichsen JL, Palm H, Gundtoft PH, Viberg B. *Injury*. 2022 Mar;53(3):1149-1159. doi: 0.1016/j.injury.2021.12.034. Epub 2022 Jan 6.
15. Risk of Reoperation in Simple Ankle Fracture Surgery When Comparing Locking Plate With Nonlocking Plate. Jacobsen GH, Gude MH, Viberg B, Gundtoft PH. *J Foot Ankle Surg*. 2022 May-Jun;61(3):567-571.
16. Nekrotiserende fasciitis. Anette Marianne Fedder, Anne-Mette Hvas, Mikala Wang, Klaus Kjaer Petersen, Lotte Ebdrup, Peter Christensen & Rikke Bek Helmig. *Ugeskr Læger* 2022;184: V11210825.

Rekonstruktionskirurgi

1. Leblanc C, Rölfing J*, Langlais T, Sales de Gauzy J, Accadbled F* (2022): No osteolysis at the telescopic junction of 128 FITBONE lengthening nails. *Orthop Traumatol Surg Res*. 2022; *Epub ahead of print*. doi.org/10.1016/j.otsr.2022.103501
2. Thorninger R*, Wæver D, Tjørnild D, Lind M, Rölfing J* (2022): VOLCON: a randomized controlled trial investigating complications and functional outcome of volar plating vs casting of unstable distal radius fractures in patients older than 65 years. *J Orthop Traumatol*. 2022; 23:54. doi.org/10.1186/s10195-022-00673-4
3. Fridberg M, Bue M, Rölfing J, Kold S* (2022): Host factors and risk of pin site infection in external fixation: a review examining age, body mass index, smoking, comorbidities including diabetes. *J Limb Lengthen Reconstr*. 2022; 8(3): S3-15. *not pubmed listed*. doi.org/10.4103/jllr.jllr_32_21
4. Husted A, Rölfing J, Ingeman M, Paltved C, Ludwig M, Konge L, Nayahangan L, Jensen R* (2022): Identifying technical skills and clinical procedures for simulation-based training in emergency medicine: A nationwide needs assessment. *Am J Emerg Med*. 2022; 62: 140-143. doi.org/10.1016/j.ajem.2022.09.014
5. Vogt B*, Fresen J, Gosheger G, Chhina H, Brune C, Toporowski G, Frommer A, Laufer A, Cooper A, Roedl R, Rölfing J (2022): LIMB-Q Kids - German translation and cultural adaptation. *Children (Basel)*. 2022; 9(9): 1405. doi.org/10.3390/children9091405
6. Laufer A*, Toporowski G, Gosheger G, von der Heiden A, Rölfing J, Frommer A, Rachbauer A, Antfang C, Roedl R, Vogt B (2022): Preliminary results of two novel devices for epiphysiodesis in reduction of excessive predicted final height in tall stature. *J Orthop Traumatol*. 2022; 23(1): 46. doi.org/10.1186/s10195-022-00666-3
7. Brune C, Toporowski G, Rölfing J, Gosheger G, Fresen J, Frommer A, Laufer A, Roedl R, Vogt B* (2022): German translation and cross-cultural adaption of the Limb Deformity - Scoliosis Research Society (LD-SRS) questionnaire. *Healthcare (Basel)*. 2022; 10(7):1299. doi.org/10.3390/healthcare10071299
8. Toporowski G*, Thiesen R, Gosheger G, Roedl R, Frommer A, Laufer A, Rölfing J, Vogt B (2022): Callus distraction for brachymetatarsia – A comparison between an internal device and the external fixator. *Foot Ankle Surg*. 2022; 28(8): 1220-1228. doi.org/10.1016/j.fas.2022.04.001

9. Laufer A*, Rölfing J, Gosheger G, Toporowski G, Frommer A, Roedl R, Vogt B (2022): What are the risks and functional outcomes associated with bilateral humeral lengthening using a monolateral external fixator in patients with achondroplasia? *Clin Orthop Relat Res.* 2022; 480(9):1779-1789. doi.org/10.1097/CORR.0000000000002209
10. Zuckerman L*, Scolaro JA, Gardner M, Kern T, Lanz P, Quinnan S, Watson JT, Rölfing J (2022): Technical considerations for the management of segmental osseous defects with an internal bone transport nail. *Expert Rev Med Devices.* 2022; 19(3), 203-211. doi.org/10.1080/17434440.2022.2054336
11. Rasmussen MK, Larsen P, Rölfing J, Kirkegaard BL, Thorninger T, Elsoe R* (2022): Epidemiology and incidence of paediatric orthopaedic trauma workload during the COVID-19 pandemic - a multicenter cohort study of 3171 patients. *World J Orthop.* 2022; 13(1):70-77. doi.org/10.5312/wjo.v13.i1.70

Rygkirurgi

1. Cefuroxime concentrations in the anterior and posterior column of the lumbar spine - an experimental porcine study. Magnus A Hvistendahl, Mats Bue, Pelle Hanberg, Alexander Emil Kaspersen, Anne Vibeke Schmedes, Maiken Stilling, Kristian Høy, 2022. *The spine journal: official journal of the North American Spine Society* DOI.
2. The inflammatory response and blood-spinal cord barrier integrity in traumatic spinal cord injury: a prospective pilot study. Thea Overgaard Wichmann, Helge Kasch, Stig Dyrskog, Kristian Høy, Bjarne Kuno Møller, Jan Krog, Claus Vinter Bodker Hviid, Hans Jurgen Hoffmann, Mikkel Mylius Rasmussen, 2022. *Acta neurochirurgica* DOI
3. Cerebrospinal fluid and peripheral blood proteomics in Traumatic Spinal Cord Injury: A prospective pilot study. Thea Overgaard Wichmann, Helge Kasch, Stig Dyrskog, Kristian Høy, Bjarne Kuno Møller, Jan Krog, Hans Jürgen Hoffmann, Claus Vinter Bødker Hviid, Mikkel Mylius Rasmussen, 2022, bind 2, 2022, s. 100906. *Brain & spine* DOI
4. Subtherapeutic levels of cefuroxime inside a cannulated pedicle screw used in spine surgery: results from a porcine microdialysis study. Magnus A Hvistendahl, Pelle Hanberg, Maiken Stilling, Alexander Emil Kaspersen, Kristian Høy, Mats Bue, 2022, bind 93, 2022, s. 874-879. *Acta orthopaedica* DOI: <https://doi.org/10.2340/17453674.2022.5276>

Børneortopædi

1. Fracture Rates in Children with Cerebral Palsy: A Danish, Nationwide Register-Based Study. Granild-Jensen JB, Pedersen AB, Kristiansen EB, Langdahl B, Møller-Madsen B, Søndergaard C, Farholt S, Vestergaard ET, Rackauskaite G. *Clin Epidemiol.* 2022 Nov 22;14:1405-1414. doi: 10.2147/CLEP.S381343. eCollection 2022. PMID: 36444291
2. Treatment of clubfoot in children]. Nielsen MF, Møller-Madsen B, Engell V. *Ugeskr Laeger.* 2022 Oct 3;184(40):V04220238
3. Pubo-Femoral Distances Measured Reliably by Midwives in Hip Dysplasia Ultrasound. Husum HC, Bach Hellfritzsch M, Maimburg RD, Henriksen M, Lapitskaya N, Møller-Madsen B, Rahbek O. *Children (Basel).* 2022 Sep 2;9(9):1345. doi: 10.3390/children9091345. PMID: 36138654
4. Controlled rotation of long bones by guided growth: A proof of concept study of a novel plate in cadavers. Abood AA, Hellfritzsch MB, Møller-Madsen B, Brüel A, Westersø TS, Vedel-Smith NK, Rahbek O, Rölfing JD. *J Orthop Res.* 2022 May;40(5):1075-1082. doi: 10.1002/jor.25148. Epub 2021 Aug 9. PMID: 34324215
5. Reliability and minimal detectable change of the Challenge, an advanced motor skills test for children with cerebral palsy, Danish version. Nordbye-Nielsen K, Maribo T, Wright FV, Rahbek O, Møller-Madsen B. *Disabil Rehabil.* 2022 Aug;44(16):4485-4492. doi: 10.1080/09638288.2021.1906332. Epub 2021 May 6. PMID: 33955308

6. Fracture Rates in Children with Cerebral Palsy: A Danish, Nationwide Register-Based Study. Granild-Jensen JB, Pedersen AB, Kristiansen EB, Langdahl B, Møller-Madsen B, Søndergaard C, Farholt S, Vestergaard ET, Rackauskaite G. *Clin Epidemiol*. 2022 Nov 22;14:1405-1414. doi: 10.2147/CLEP.S381343. eCollection 2022. PMID: 36444291

Ortopædkirurgisk rehabilitering

1. Dijkstra HP, Mc Auliffe S, Ardern CL, Kemp JL, Mosler AB, Price A, Blazey P, Richards D, Farooq A, Serner A, McNally E, Mascarenhas V, Willy RW, Oke JL, Khan KM, Glyn-Jones S, Clarke M, Greenhalgh T, Agricola R, Andersen TE, Ayeni O, Beasley I, Bizzini M, Cardinale M, Chiokwindo T, de Villiers R, Engebretsen L, Entwisle T, Ergen E, Fernquest S, Geertsema C, Gimpel M, Haddad F, Hanff D, Heerey J, Holmich P, Impellizzeri FM, Jacobsen JS, van Rensburg CJ, Kassarian CJ, Khanduja V, Kliethermes S, Lewis C, Maak T, Mayes S, Mechlenburg I, Mkumbuzi N, Nelis S, Palmer A, Papadopoulou T, Philippon M, Pierpoint L, Plass L, Pollock N, Reiman M, Roberts N, Rommers N, Sawaya N, Snoxell T, Souza J, Strickland L, Taseska T, Thorborg T, Thornton J, Tol J, Trease L, van Klij P, Volcke P, Weir A, Wilson F, Yamauchi Y. Oxford consensus on primary cam morphology and femoroacetabular impingement syndrome: part 2-research priorities on conditions affecting the young person's hip. *Br J Sports Med*. 2022 Dec 6:bjsports-2022-106092.
2. Dijkstra HP, Mc Auliffe S, Ardern CL, Kemp JL, Mosler AB, Price A, Blazey P, Richards D, Farooq A, Serner A, McNally E, Mascarenhas V, Willy RW, Oke JL, Khan KM, Glyn-Jones S, Clarke M, Greenhalgh T, Agricola R, Andersen TE, Ayeni O, Beasley I, Bizzini M, Cardinale M, Chiokwindo T, de Villiers R, Engebretsen L, Entwisle T, Ergen E, Fernquest S, Geertsema C, Gimpel M, Haddad F, Hanff D, Heerey J, Holmich P, Impellizzeri FM, Jacobsen JS, van Rensburg CJ, Kassarian CJ, Khanduja V, Kliethermes S, Lewis C, Maak T, Mayes S, Mechlenburg I, Mkumbuzi N, Nelis S, Palmer A, Papadopoulou T, Philippon M, Pierpoint L, Plass L, Pollock N, Reiman M, Roberts N, Rommers N, Sawaya N, Snoxell T, Souza J, Strickland L, Taseska T, Thorborg T, Thornton J, Tol J, Trease L, van Klij P, Volcke P, Weir A, Wilson F, Yamauchi Y. Oxford consensus on primary cam morphology and femoroacetabular impingement syndrome: part 1-definitions, terminology, taxonomy and imaging outcomes. *Br J Sports Med*. 2022 Dec 6:bjsports-2022-106085.
3. Jørgensen PB, Tabori-Jensen S, Mechlenburg I, Homilius M, Hansen TB, Stilling M. Cemented and cementless dual mobility cups show similar fixation, low polyethylene wear, and low serum cobalt-chromium in elderly patients: a randomized radiostereometry study with 6 years' follow-up. *Acta Orthop*. 2022 Dec 16;93:906-913.
4. Dembic M, van Brakel Andersen L, Larsen MJ, Mechlenburg I, Søballe K, Hertz JM. Whole exome sequencing of 28 families of Danish descent reveals novel candidate genes and pathways in developmental dysplasia of the hip. *Mol Genet Genomics*. 2022 Dec 1. doi: 10.1007/s00438-022-01980-5.
5. Jacobsen JS, Thorborg K, Nielsen RØ, Jakobsen SS, Foldager C, Sørensen D, Oestergaard LG, van Tulder MW, Mechlenburg I. Comparing exercise and patient education with usual care in the treatment of hip dysplasia: a protocol for a randomised controlled trial with 6-month follow-up (MovetheHip trial). *BMJ Open*. 2022 Sep 20;12(9):e064242. doi: 10.1136/bmjopen-2022-064242.
6. Kjeldsen T, Dalgas U, Skou ST, van Tulder M, Bibby BM, Mechlenburg I. Progressive resistance training compared to neuromuscular exercise in patients with hip osteoarthritis and the additive effect of exercise booster sessions: protocol for a multicentre cluster randomised controlled trial (The Hip Booster Trial). *BMJ Open*. 2022 Sep 15;12(9):e061053. doi: 10.1136/bmjopen-2022-061053.
7. Bue M, Bright E, Thillemann TM, Mosegaard SB, Hansen TB, Klebe T, Mechlenburg I, Stilling M. Osteoporosis does not affect bone mineral density change in the proximal humerus or the functional outcome after ORIF of unilateral displaced 3- or 4-part fractures at 12 months follow-up. *J Shoulder Elbow Surg*. 2022 Aug 20:S1058-2746(22)00634-6. doi: 10.1016/j.jse.2022.07.008.
8. Bech-Jørgensen S, Larsen JB, Barroso J, Jakobsen SS, Mechlenburg I. Trajectory for 66 patients treated with periacetabular osteotomy (PAO) and subsequent total hip arthroplasty: a follow-up study including 1378 hips from the Aarhus PAO database. *Arch Orthop Trauma Surg*. 2022 Aug 20. doi: 10.1007/s00402-022-04590-3.

9. Larsen JB, Østergaard HK, Thillemann TM, Falstie-Jensen T, Reimer LCU, Noe S, Jensen SL, Mechlenburg I. Are progressive shoulder exercises feasible in patients with glenohumeral osteoarthritis or rotator cuff tear arthropathy? *Pilot Feasibility Stud.* 2022 Aug 3;8(1):168. doi: 10.1186/s40814-022-01127-8.
10. Jørgensen SL, Kierkegaard S, Bohn MB, Aagaard P, Mechlenburg I. Effects of Resistance Training Prior to Total Hip or Knee Replacement on Post-operative Recovery in Functional Performance: A Systematic Review and Meta-Analysis. *Front Sports Act Living.* 2022 Jul 14;4:924307. doi: 10.3389/fspor.2022.924307.
11. Jacobsen JS, Thorborg K, Sørensen D, Jakobsen SS, Nielsen RO, Oestergaard LG, Søballe K, Mechlenburg I. Feasibility and acceptability of a six-month exercise and patient education intervention for patients with hip dysplasia: A mixed methods study. *Musculoskelet Sci Pract.* 2022 Jun 24;61:102615. doi: 10.1016/j.msksp.2022.102615. Online ahead of print.
12. Urup Tønning L, Schmid M, Barroso J, Hovind B, Hessain D, Balling M, Jakobsen SS, Mechlenburg I. Is the Femoral-Epiphyseal Acetabular Roof (FEAR) index associated with hip pain in patients with hip dysplasia? *Acta Radiol.* 2022 May 11:2841851221093840. doi: 10.1177/02841851221093840. Online ahead of print.
13. Høgsholt M, Jørgensen SL, Rolving N, Mechlenburg I, Tønning LU, Bohn MB. Exercise With Low-Loads and Concurrent Partial Blood Flow Restriction Combined With Patient Education in Females Suffering From Gluteal Tendinopathy: A Feasibility Study. *Front Sports Act Living.* 2022 Apr 14;4:881054. doi: 10.3389/fspor.2022.881054.
14. Stisen MB, Klenø AN, Jacobsen JS, O'Connell MDL, Ayis S, Sackley C, Pedersen AB, Mechlenburg I. Do changes in outcomes following primary and revision hip replacement differ and relate to markers of socioeconomic status? A 1-year population-based cohort study. *Acta Orthop.* 2022 Apr 6;93:397-404.
15. Kierkegaard S, Mechlenburg I, Dalgas U, Lund B. Five-Year Follow-up After Hip Arthroscopic Surgery in the Horsens-Aarhus Femoroacetabular Impingement (HAFAI) Cohort. *Orthop J Sports Med.* 2022 Mar 8;10(3):23259671221075653. doi: 10.1177/23259671221075653.
16. Petersson N, Langgård Jørgensen S, Kjeldsen T, Mechlenburg I, Aagaard P. Blood flow restricted walking in elderly individuals with knee osteoarthritis: a feasibility study. *J Rehabil Med.* 2022 Jun 20;54:jrm00282.
17. Klenø AN, Stisen MB, Edwards NM, Mechlenburg I, Pedersen AB. Socioeconomic status and use of analgesic drugs before and after primary hip arthroplasty: a population-based cohort study of 103,209 patients during 1996-2018. *Acta Orthop.* 2022 Jan 3;93:171-178.
18. Jensen JH, Sørensen L, Mosegaard SB, Mechlenburg I. Risk Stratification for Postoperative Pulmonary Complications following Major Cardiothoracic and Abdominal Surgery - development of the PPC Risk Prediction Score for Physiotherapists Clinical Decision-making. *Physiother Theory Pract.* 2022 Mar 1:1-12. doi: 10.1080/09593985.2022.2037795. Online ahead of print.
19. Tøttrup M, Thillemann JK, Thillemann TM, Mechlenburg I, Klebe T, Søballe K, Stilling M. Early offset-increasing migration predicts later revision for humeral head resurfacing implants. A randomized controlled radiostereometry trial with 10-year clinical follow-up. *J Orthop Res.* 2022 Feb 27. doi: 10.1002/jor.25298. Online ahead of print.
20. Mechlenburg I, Knak J, Mosegaard SB, Axelsen M, Krarup Jensen N, Hansen TB, Stilling M. Effectiveness of a bandage to prevent re-dislocation after total hip arthroplasty in patients with a previous hip dislocation. A randomized controlled trial with 12-week follow-up. *Clin Rehabil.* 2022 Jun;36(6):767-775.
21. Beck Larsen J, Thillemann TM, Launonen AP, Østergaard HK, Falstie-Jensen T, Reito A, Lund Jensen S, Mechlenburg I. Study protocol: Prosthesis versus Active (ProAct) exercise program in patients with glenohumeral osteoarthritis - a multicenter, randomized controlled trial. *Acta Orthop.* 2022 Feb 8;93:303-316.

22. Thomasen A, Mechlenburg I, Laursen JO, Liljensøe A. Long-term results after weight loss intervention in knee arthroplasty patients with obesity. *Dan Med J.* 2022 Jan 5;69(2):A06210510.

Idrætstraumatologi

1. LaPrade RF, Geeslin AG, Chahla J, Cohen M, Engebretsen L, Faucett SC, Getgood AM, Inderhaug E, Johnson DL, Kopf S, Krych AJ, Larson CM, Lind M, Moatshe G, Murray IR, Musahl V, Negrin R, Riboh JC, Seil R, Spalding T. Posterior Lateral Meniscal Root and Oblique Radial Tears: The Biomechanical Evidence Supports Repair of These Tears, Although Long-Term Clinical Studies Are Necessary. *Arthroscopy.* 2022 Dec;38(12):3095-3101. doi: 10.1016/j.arthro.2022.09.015. PMID: 36462774.
2. Elmholt SB, Nielsen TG, Lind M. Fixed-loop vs. adjustable-loop cortical button devices for femoral fixation in ACL reconstruction - a systematic review and meta-analysis. *J Exp Orthop.* 2022 Oct 21;9(1):106. doi: 10.1186/s40634-022-00544-1. Erratum in: *J Exp Orthop.* 2022 Nov 26;9(1):112. PMID: 36269424; PMCID: PMC9587170.
3. LaPrade RF, Engebretsen L, Lind M. Comparative Outcomes After Superficial Medial Collateral Ligament Augmented Repair vs Reconstruction: Response. *Am J Sports Med.* 2022 Oct;50(12):NP53-NP54. doi: 10.1177/03635465221113587. PMID: 36177756.
4. Zsidai B, Narup E, Senorski EH, Lind M, Spalding T, Musahl V, Samuelsson K, Irrgang JJ. The Knee Injury and Osteoarthritis Outcome Score: shortcomings in evaluating knee function in persons undergoing ACL reconstruction. *Knee Surg Sports Traumatol Arthrosc.* 2022 Nov;30(11):3594-3598. doi: 10.1007/s00167-022-06990-9. Epub 2022 May 7. PMID: 35524798.
5. Nielsen TG, Sørensen OG, Lind M. A comparison of multi-ligament reconstruction and isolated anterior cruciate ligament reconstruction at one year follow-up: results from the Danish Knee Ligament Reconstruction Registry. *J Exp Orthop.* 2022 Apr 7;9(1):30. doi: 10.1186/s40634-022-00473-z. PMID: 35389086; PMCID: PMC8991287.
6. Fiil M, Nielsen TG, Lind M. A high level of knee laxity after anterior cruciate ligament reconstruction results in high revision rates. *Knee Surg Sports Traumatol Arthrosc.* 2022 Oct;30(10):3414-3421. doi: 10.1007/s00167-022-06940-5. Epub 2022 Mar 25. PMID: 35333934.
7. Dippmann C, Warming T, Lind M, Krogsgaard M. [Clinical diagnostics and treatment of multiligament injuries of the knee]. *Ugeskr Laeger.* 2022 Feb 7;184(6):V07210561. Danish. PMID: 35179118.
8. LaPrade RF, DePhillipo NN, Dornan GJ, Kennedy MI, Cram TR, Dekker TJ, Strauss MJ, Engebretsen L, Lind M. Comparative Outcomes Occur After Superficial Medial Collateral Ligament Augmented Repair vs Reconstruction: A Prospective Multicenter Randomized Controlled Equivalence Trial. *Am J Sports Med.* 2022 Mar;50(4):968-976. doi: 10.1177/03635465211069373. Epub 2022 Feb 2. PMID: 35107354.
9. Elmholt SB, Hede KC, Christensen BB, Thomsen JS, Lind M. The Effect of Bone Marrow Stimulation for Cartilage Repair on the Subchondral Bone Plate. *Cartilage.* 2022 Jan-Mar;13(1):19476035221074011. doi: 10.1177/19476035221074011. PMID: 35098739; PMCID: PMC9137303.
10. Martin RK, Wastvedt S, Pareek A, Persson A, Visnes H, Fenstad AM, Moatshe G, Wolfson J, Lind M, Engebretsen L. Machine learning algorithm to predict anterior cruciate ligament revision demonstrates external validity. *Knee Surg Sports Traumatol Arthrosc.* 2022 Feb;30(2):368-375. doi: 10.1007/s00167-021-06828-w. Epub 2022 Jan 1. PMID: 34973096; PMCID: PMC8866372.

Skulderkirurgi

1. Bue M, Bright E, Thillemann TM, Mosegaard SB, Hansen TB, Klebe T, Mechlenburg I, Stilling M. Osteoporosis does not affect bone mineral density change in the proximal humerus or the functional outcome after open reduction and internal fixation of unilateral displaced 3- or 4-part fractures at 12-month follow-up. *J Shoulder Elbow Surg.* 2023 Feb;32(2):292-301. doi: 10.1016/j.jse.2022.07.008. Epub 2022 Aug 20. PMID: 35998782.

2. Larsen JB, Østergaard HK, Thillemann TM, Falstie-Jensen T, Reimer LCU, Noe S, Jensen SL, Mechlenburg I. Are progressive shoulder exercises feasible in patients with glenohumeral osteoarthritis or rotator cuff tear arthropathy? Pilot Feasibility Stud. 2022 Aug 3;8(1):168. doi: 10.1186/s40814-022-01127-8. PMID: 35922865; PMCID: PMC9347133.
3. Brorson S, Elliott J, Thillemann T, Aluko P, Handoll H. Interventions for proximal humeral fractures: key messages from a Cochrane review. Acta Orthop. 2022 Jul 4;93:610-612. doi: 10.2340/17453674.2022.3495. PMID: 35819454; PMCID: PMC9275419.
4. Handoll HH, Elliott J, Thillemann TM, Aluko P, Brorson S. Interventions for treating proximal humeral fractures in adults. Cochrane Database Syst Rev. 2022 Jun 21;6(6):CD000434. doi: 10.1002/14651858.CD000434.pub5. PMID: 35727196; PMCID: PMC9211385.
5. Tøttrup M, Thillemann JK, Thillemann TM, Mechlenburg I, Klebe T, Søballe K, Stilling M. Early offset-increasing migration predicts later revision for humeral head resurfacing implants. A randomized controlled radiostereometry trial with 10-year clinical follow-up. J Orthop Res. 2022 Nov;40(11):2688-2697. doi: 10.1002/jor.25298. Epub 2022 Feb 27. PMID: 35220595.
6. Tøstesen SK, Stilling M, Hanberg P, Thillemann TM, Falstie-Jensen T, Tøttrup M, Knudsen M, Petersen ET, Bue M. High Cefuroxime Concentrations and Long Elimination in an Orthopaedic Surgical Dead-space-A Microdialysis Porcine Study. Antibiotics (Basel). 2022 Feb 7;11(2):208. doi: 10.3390/antibiotics11020208. PMID: 35203810; PMCID: PMC8868149.
7. Beck Larsen J, Thillemann TM, Launonen AP, Østergaard HK, Falstie-Jensen T, Reito A, Lund Jensen S, Mechlenburg I. Study protocol: Prosthesis versus Active (ProAct) exercise program in patients with glenohumeral osteoarthritis – a multicenter, randomized controlled trial. Acta Orthop. 2022 Feb 8;93:303-316. doi: 10.2340/17453674.2022.2043. PMID: 35138410; PMCID: PMC8826696.
8. Tøstesen SK, Hanberg P, Bue M, Thillemann TM, Falstie-Jensen T, Tøttrup M, Knudsen MB, Schmedes AV, Stilling M. Weight-based cefuroxime dosing provides comparable orthopedic target tissue concentrations between weight groups – a microdialysis porcine study. APMIS. 2022 Feb;130(2):111-118. doi: 10.1111/apm.13198. Epub 2021 Dec 22. PMID: 34862642.
9. Ponraj DS, Lange J, Falstie-Jensen T, Jørgensen NP, Ravn C, Poehlein A, Brüggemann H. Amplicon-Based Next-Generation Sequencing as a Diagnostic Tool for the Detection of Phylotypes of *Cutibacterium acnes* in Orthopedic Implant-Associated Infections. Front Microbiol. 2022 Apr 7;13:866893. doi: 10.3389/fmicb.2022.866893. PMID: 35464945; PMCID: PMC9022064.

Ortopædkirurgisk sygepleje

1. Nursing representatives in clinical quality databases and the presence of nursing-sensitive indicators of fundamental nursing care. Mainz H, Odgaard L, Kristensen PK. J Adv Nurs. 2022 Aug 8. doi: 10.1111/jan.15400. Online ahead of print. PMID: 35938943
2. Patient-reported outcomes as hospital performance measures: the challenge of confounding and how to handle it. Kristensen PK, Johnsen SP. Int J Qual Health Care. 2022 Mar 31;34 (Supplement_1):ii59-ii64. doi: 10.1093/intqhc/mzac003. PMID: 35357444
3. Comorbidity and Quality of In-Hospital Care for Hip Fracture Patients. Schrøder CK, Hjelholt TJ, Møller H, Madsen M, Pedersen AB, Kristensen PK. J Am Med Dir Assoc. 2022 Apr;23(4):671-677.e4. doi: 10.1016/j.jamda.2022.01.078. Epub 2022 Mar 2. PMID: 35247357 Free article.
4. Geographic variation in hip fracture surgery rate, care quality and outcomes: a comparison between national registries in Ireland and Denmark. Walsh ME, Sorensen J, Blake C, Johnsen SP, Kristensen PK. Arch Osteoporos. 2022 Sep 26;17(1):128. doi: 10.1007/s11657-022-01169-8. PMID: 36161538
5. Prediction Ability of Charlson, Elixhauser, and Rx-Risk Comorbidity Indices for Mortality in Patients with Hip Fracture. A Danish Population-Based Cohort Study from 2014 - 2018. Vesterager JD, Madsen M, Hjelholt TJ, Kristensen PK, Pedersen AB. Clin Epidemiol. 2022 Mar 8;14:275-287. doi: 10.2147/CLEP.S346745. eCollection 2022. PMID: 35299726 Free PMC article.

6. Mainz H, Frandsen L, Lind M, Fauno P, Lomborg K. Development and Test of a Decision Aid for Shared Decision Making in Patients with Anterior Cruciate Ligament Injury. *MDM Policy Pract.* 2022 Mar 4;7(1):23814683221081434. doi: 10.1177/23814683221081434. PMID: 35281552; PMCID: PMC8905059.

Publikationer i alt 110

Alle publikationer 2022, Ortopædkirurgi, AUH

1. Cemented and cementless dual mobility cups show similar fixation, low polyethylene wear, and low serum cobalt-chromium in elderly patients: a randomized radiostereometry study with 6 years' follow-up. Jørgensen PB, Tabori-Jensen S, Mechlenburg I, Homilius M, Hansen TB, Stilling M. *Acta Orthop.* 2022 Dec 16;93:906-913. doi: 10.2340/17453674.2022.5761.
2. Subtherapeutic perioperative levels of cefuroxime inside a cannulated pedicle screw used in spine surgery – results from a porcine microdialysis study. Magnus A. Hvistendahl, Pelle Hanberg, Maiken Stilling, Alexander Emil Kaspersen, Kristian Høy, Mats Bue. *Acta Orthopaedica*, 2022 Nov 28;93:874-879. doi: 10.2340/17453674.2022.5276.
3. Radiostereometric analysis: comparison of radiation dose and precision in digital and computed radiography *Archives of Orthopaedic and Trauma Surgery.* Peter Bo Jørgensen, Nicolai Krag-Nielsen, Lars Lindgren, Rikke Mørup, Bart Kaptein, Maiken Stilling. *Archives of Orthopaedic and Trauma Surgery*, 2022 Nov 23. Online ahead of print. doi: 10.1007/s00402-022-04674-0.
4. The relationship between muscle power, functional performance, accelerometer-based measurement of physical activity and patient-reported outcomes in patients with hip osteoarthritis: A cross-sectional study. Frederik Foldager, Peter Bo Jørgensen, Lisa Urup Tønning, Emil Toft Petersen, Stig Storgaard Jakobsen, Dovydas Vainorius, Maiken Stilling, Inger Mechlenburg. *Musculoskelet Sci Pract.* 2022 Dec;62:102678. doi.org/10.1016/j.msksp.2022.102678
5. Intermittent Short-Term Infusion vs. Continuous Infusion of Piperacillin: Steady State Concentrations in Porcine Cervical Spine Tissue Evaluated by Microdialysis. Petersen EK, Hanberg P, Knudsen M, Tøstesen SK, Jørgensen AR, Öbrink-Hansen K, Søballe K, Stilling M, Bue M. *Antibiotics (Basel).* 2022 Jul 7;11(7):910. doi: 10.3390/antibiotics11070910.
6. Osteoporosis does not affect bone mineral density change in the proximal humerus or the functional outcome after ORIF unilateral displaced 3- or 4-part fractures at 12 months follow-up. Bue M, Bright E, Thillemann TM, Mosegaard SB, Hansen TB, Klebe T, Mechlenburg I, Stilling M. *J Shoulder Elbow Surg.* 2022 Aug 20:S1058-2746(22)00634-6. Online ahead of print. doi: 10.1016/j.jse.2022.07.008.
7. Abdominal tissue concentrations and penetration of carboplatin in a HIPEC procedure – assessment in a novel porcine model. Petersen EK, Bue M, Harlev C, Jørgensen AR, Schmedes AV, Hanberg P, Petersen LK, Stilling M. *Pleura Peritoneum.* 2022 Jun 6;7(3):117-125. doi: 10.1515/pp-2022-0110.
8. Active clinical issues at discharge predict readmission within 30 days and one year following hip fracture surgery. Frandsen CF, Stilling M, Glassou EN, Pedersen ABL, Hansen TB. *Eur Geriatr Med.* 2022 Dec;13(6):1477-1486. doi: 10.1007/s41999-022-00707-4.
9. Larger 5-year migration but similar polyethylene wear of cementless hemispherical cups with electrochemically applied hydroxyapatite (BoneMaster) coating compared with porous plasma-spray titanium: a randomized 5-year RSA study. Breddam Mosegaard S, Jørgensen PB, Storgaard Jakobsen S, Daugaard H, Søballe K, Stilling M. *Acta Orthop.* 2022 Jul 14;93:658-664. doi: 10.2340/17453674.2022.3976.
10. Medial congruent polyethylene design show different tibiofemoral kinematics and enhanced congruency compared to a standard symmetrical cruciate retaining design for total knee arthroplasty-an in vivo randomized controlled study of gait using dynamic radiostereometry. Petersen ET, Rytter S, Koppens D, Dalgaard J, Hansen TB, Andersen MS, Stilling M. *Knee Surg Sports*

Traumatol Arthrosc. 2022 Jul 9. Online ahead of print. doi: 10.1007/s00167-022-07036-w.

11. Distal radioulnar joint kinematics before surgery and 12 months following open foveal reinsertion of the triangular fibrocartilage complex: comparison with the contralateral non-injured joint. Thillemann JK, De Raedt S, Petersen ET, Puhakka KB, Hansen TB, Stilling M. *Acta Orthop*. 2022 Jun 21;93:574-582. doi: 10.2340/17453674.2022.3141.
12. Concentrations of co-administered vancomycin and meropenem in the internal dead space of a cannulated screw and in cancellous bone adjacent to the screw - Evaluated by microdialysis in a porcine model. Vittrup S, Stilling M, Hanberg P, Tøstesen SK, Knudsen MB, Kipp JO, Bue M. *Injury*. 2022 Aug;53(8):2734-2740. doi: 10.1016/j.injury.2022.06.008.
13. Cefuroxime concentrations in the anterior and posterior column of the lumbar spine - an experimental porcine study. Hvistendahl MA, Bue M, Hanberg P, Kaspersen AE, Schmedes AV, Stilling M, Høy K. *Spine J*. 2022 Sep;22(9):1434-1441. doi: 10.1016/j.spinee.2022.05.010.
14. Electrochemically applied hydroxyapatite on the cementless porous surface of Bi-Metric stems reduces early migration and has a lasting effect: an efficacy trial of a randomized five-year follow-up radiostereometric study. Knudsen MB, Thillemann JK, Jørgensen PB, Jakobsen SS, Daugaard H, Søballe K, Stilling M. *Bone Joint J*. 2022 Jun;104-B(6):647-656. doi: 10.1302/0301-620X.104B6.BJJ-2021-1545.R1.
15. The majority of community-dwelling hip fracture patients return to independent living with minor increase in care needs: a prospective cohort study. Frandsen CF, Stilling M, Glassou EN, Hansen TB. *Arch Orthop Trauma Surg*. 2022 May 20. Online ahead of print. doi: 10.1007/s00402-022-04472-8.
16. Evaluation of automated radiostereometric image registration in total knee arthroplasty utilizing a synthetic-based and a CT-based volumetric model. Petersen ET, Vind TD, Jürgens-Lahnstein JH, Christensen R, de Raedt S, Brüel A, Rytter S, ndersen MS, Stilling M. *J Orthop Res*. 2023 Feb;41(2):436-446. doi: 10.1002/jor.25359.
17. Steady-state concentrations of flucloxacillin in porcine vertebral cancellous bone and intervertebral disc following oral and intravenous administration assessed by microdialysis. Bendtsen MAF, Hanberg P, Slater J, Hansen J, Öbrink-Hansen K, Stilling M, Bue M. *Eur Spine J*. 2022 Jun;31(6):1508-1514. doi: 10.1007/s00586-022-07208-9.
18. Polyethylene liner motion in dual-mobility hip prostheses: static and dynamic radiostereometry in 16 patients 1 year after operation. Jørgensen PB, Kaptein BL, Søballe K, Jakobsen SS, Stilling M. *Acta Orthop*. 2022 Mar 21;93:375-381. doi: 2340/17453674.2022.2253.
19. Population Pharmacokinetics of Flucloxacillin In Bone and Soft Tissue- Standard Dosing is Not Sufficient to Achieve Therapeutic Concentrations. Öbrink-Hansen K, Pham AD, Bue M, Hanberg P, Bendtsen M, Slater J, Friberg LE, Thorsted A, Stilling M. *Pharm Res*. 2022 Jul;39(7):1633-1643. doi: 10.1007/s11095-022-03197-y.
20. Early offset-increasing migration predicts later revision for humeral head resurfacing implants. A randomized controlled radiostereometry trial with 10-year clinical follow-up. Tøttrup M., Thillemann J.K., Thillemann T.M., Mechlenburg I., Klebe T., Søballe K., Stilling M. *J Orthop Res*. 2022 Nov;40(11):2688-2697. doi: 10.1002/jor.25298.
21. High Cefuroxime Concentrations and Long Elimination in an Orthopaedic Surgical Deadspace – A microdialysis porcine study Tøstesen, S.K., Stilling, M., Hanberg, P., Thillemann, T.M., Falstie-Jensen, T., Tøttrup, M., Knudsen, M., Petersen, E.T., Bue, M. *Antibiotics (Basel)*. 2022 Feb 7;11(2):208. doi: 10.3390/antibiotics11020208.
22. Tibial bone and soft-tissue concentrations following combination therapy with vancomycin and meropenem - evaluated by microdialysis in a porcine model: should patients with open fractures have higher doses of antibiotics? Vittrup SØ, Hanberg P, Knudsen MB, Tøstesen SK, Kipp JO, Hansen J, Jørgensen NP, Stilling M, Bue M. *Bone Joint Res*. 2022 Feb;11(2):112-120. doi: 10.1302/2046-3758.112.BJR-2021-0321.R1.

23. Effectiveness of a bandage to prevent re-dislocation after total hip arthroplasty in patients with a previous hip dislocation. A randomized controlled trial with 12-week follow-up. Mechlenburg I, Knak J, Mosegaard SB, Axelsen M, Krarup Jensen N, Hansen TB, Stilling M. *Clin Rehabil.* 2022 Jun;36(6):767-775. doi: 10.1177/02692155221081462.
24. Migration pattern of cemented Exeter short stem in Dorr type A femurs. A prospective radiostereometry study with 2-year follow-up. Vind TD, Jørgensen PB, Vainorius D, Jakobsen SS, Søballe K, Stilling M. *Arch Orthop Trauma Surg.* 2022 Feb 3. Online ahead of print. doi: 10.1007/s00402-021-04307-y.
25. Component migration, bone mineral density changes, and bone turnover markers in cementless and cemented total knee arthroplasty: a prospective randomized RSA study in 53 patients with 2-year follow-up. Linde KN, Rytter S, Søballe K, Madsen F, Langdahl B, Stilling M. *Knee Surg Sports Traumatol Arthrosc.* 2022 Sep;30(9):3100-3113. doi: 10.1007/s00167-022-06860-4.
26. Moxifloxacin Concentrations in the Knee Joint, Tibial Bone, and Soft Tissue When Combined with Rifampicin: A Randomized Porcine Microdialysis Study. Slater J, Stilling M, Hanberg P, Fichtner Bendtsen MA, Jørgensen AR, Søballe K, Jørgensen NP, Bue M. *J Bone Joint Surg Am.* 2022 Jan 5;104(1):49-54. doi: 10.2106/JBJS.21.00549.
27. Hip joint motion does not change one year after arthroscopic osteochondroplasty in patients with femoroacetabular impingement evaluated with dynamic radiostereometry. Hansen L, de Raedt S, Jørgensen PB, Mygind-Klavsen B, Rømer L, Kaptein B, Søballe K, Stilling M. *J Exp Orthop.* 2022 Jan 5;9(1):4. doi: 10.1186/s40634-021-00427-x.
28. Normal Values of Distal Radioulnar Joint Kinematics during a Dynamic Press Test. Thillemann JK, De Raedt S, Petersen ET, Puhakka KB, Hansen TB, Stilling M. *J Wrist Surg.* 2021 Dec 27;11(5):406-415. eCollection 2022 Oct. doi: 10.1055/s-0041-1740486
29. Weight-based cefuroxime dosing provides comparable orthopedic target tissue concentrations between weight groups - a microdialysis porcine study. Tøstesen SK, Hanberg P, Bue M, Thillemann TM, Falstie-Jensen T, Tøttrup M, Knudsen MB, Schmedes AV, Stilling M. *APMIS.* 2022 Feb;130(2):111-118. doi: 10.1111/apm.13198.
30. Malnutrition, poor function and comorbidities predict mortality up to one year after hip fracture: a cohort study of 2800 patients. Frandsen CF, Glassou EN, Stilling M, Hansen TB. *Eur Geriatr Med.* 2022 Apr;13(2):433-443. doi: 10.1007/s41999-021-00598-x.
31. Patients with knee osteoarthritis can be divided into subgroups based on tibiofemoral joint kinematics of gait - an exploratory and dynamic radiostereometric study. Petersen ET, Rytter S, Koppens D, Dalsgaard J, Hansen TB, Larsen NE, Andersen MS, Stilling M. *Osteoarthritis Cartilage.* 2022 Feb;30(2):249-259. doi: 10.1016/j.joca.2021.10.011.
32. Development, construction, and validation of a thinner uniplanar calibration cage for radiostereometry. Jürgens-Lahnstein JH, Petersen ET, Laursen M, Hauskov Iversen C, Kaptein BL, Lindgren L, Stilling M. *J Orthop Res.* 2022 Jul;40(7):1645-1653. doi: 10.1002/jor.25193.
33. Georgiesh T, Aggerholm-Pedersen N, Schöffski P, Zhang Y, Napolitano A, Bovée JVMG, Hjelle Å, Tang G, Spalek M, Nannini M, Swanson D, Baad-Hansen T, Sciort R, Hesla AC, Huang P, Dorleijn D, Haugland HK, Lacambra M, Skoczylas J, Pantaleo MA, Haas RL, Meza-Zepeda LA, Haller F, Czarnecka AM, Loong H, Jebsen NL, van de Sande M, Jones RL, Haglund F, Timmermans I, Safwat A, Bjerkehagen B, Boye K. Validation of a novel risk score to predict early and late recurrence in solitary fibrous tumour. *Br J Cancer.* 2022 Nov;127(10):1793-1798. doi: 10.1038/s41416-022-01959-4. Epub 2022 Aug 27. PMID: 36030294; PMCID: PMC9643389.
34. Andersen NH, Hauge EM, Baad-Hansen T, Groth KA, Berglund A, Gravholt CH, Stochholm K. Musculoskeletal diseases in Marfan syndrome: a nationwide registry study. *Orphanet J Rare Dis.* 2022 Mar 5;17(1):118. doi: 10.1186/s13023-022-02272-2. PMID: 35248143; PMCID: PMC8898450.
35. Holm CE, Grazal CF, Raedkjaer M, Baad-Hansen T, Nandra R, Grimer R, Forsberg JA, Petersen MM, Skovlund Soerensen M. Development and comparison of 1-year survival models in patients with primary bone sarcomas: External validation of a Bayesian belief network model and creation

and external validation of a new gradient boosting machine model. *SAGE Open Med.* 2022 Feb 8;10:20503121221076387. Doi 1177/20503121221076387. PMID: 35154743; PMCID: PMC8832594.

36. Anneberg M, Svane HML, Fryzek J, Nicholson G, White JB, Edris B, Smith LM, Hooda N, Petersen MM, Baad-Hansen T, Keller JØ, Jørgensen PH, Pedersen AB. The epidemiology of desmoid tumors in Denmark. *Cancer Epidemiol.* 2022 Apr;77:102114. doi: 10.1016/j.canep.2022.102114. Epub 2022 Feb 1. PMID: 35121405.
37. Septic arthritis and osteomyelitis of the pubic symphysis - a retrospective study of 26 patients. Hansen RL, Bue M, Borgognoni AB, Petersen KK. *J Bone Jt Infect.* 2022 Feb 25;7(1):35-42. doi: 10.5194/jbji-7-35-2022. PMID: 35251903; PMCID: PMC8892565.
38. Accelerated bone growth, but impaired implant fixation in allograft bone mixed with nano-hydroxyapatite - an experimental study in 12 canines. Petersen LL, Baas J, Sørensen M, Bechtold JE, Søballe K, Barckman J. *J Exp Orthop.* 2022 Apr 23;9(1):35. doi: 10.1186/s40634-022-00465-z.
39. Dislocation rate, revisions and other complications of primary cemented hemiarthroplasty for displaced femoral neck fractures: a single-center cohort study of 743 unselected hips with a mean 2.7-year follow-up. Bue M, Jakobsen SS, Barckman J, Tábori-Jensen S. *Arch Orthop Trauma Surg.* 2022 Dec;142(12):3797-3802. doi: 10.1007/s00402-021-04252-w. Epub 2021 Nov 15.
40. The Interobserver Reliability of Grading of Distal Radius Volar Plate Prominence *J Hand Surg Am* 2022 Nov;47(11):1095-1100. Tom J Crijns, Patrick Merkel, Joost T P Kortlever, K John Wagner 3rd, David Ring, Gregg Vagner, Teun Teunis; Science of Variation Group (Ole Brink)
41. Amplicon-Based Next-Generation Sequencing as a Diagnostic Tool for the Detection of Phylotypes of *Cutibacterium acnes* in Orthopedic Implant-Associated Infections. *Front Microbiol.* 2022 Apr 7;13:866893. Ponraj DS, Lange J, Falstie-Jensen T, Jørgensen NP, Ravn C, Poehlein A, Brüggemann H.
42. The positive predictive value of ankle fracture diagnosis in the Danish National Patient Registry. Gundtoft PH, Danielsson FB, Houliind M, Mortensen SO, Corap Y, Bonde N, Brix M, Barckman J, Terndrup M, Viberg B. *Dan Med J.* 2022 Nov 1;69(12):A01220032.
43. Fracture-related infections. Gundtoft PH, Bue MH, Hansen RL, Gottlieb H, Ravn C, Petersen KK *Ugeskr Laeger.* 2022 Oct 10;184(41):V01220061.
44. Reoperation for sliding hip screws vs cannulated cancellous screws in femoral neck fractures: A study from the Danish Fracture Database Collaborators. Viberg B, Barat S, Rotwitt L, Gundtoft PH, Injury. 2022 Nov;53(11):3805-3809.
45. Preoperative templating in orthopaedic fracture surgery: The past, present and future. Mensel C, Gundtoft PH, Brink O. *Injury.* 2022 Nov;53 Suppl 3:S42-S46. doi: 10.1016/j.injury.2022.09.005. Epub 2022 Sep 10.
46. Epidemiology and trends in management of acute proximal humeral fractures in adults: an observational study of 137,436 cases from the Danish National Patient Register, 1996-2018. Brorson S, Viberg B, Gundtoft P, Jalal B, Ohrt-Nissen S. *Acta Orthop.* 2022 Sep 20;93:750-755.
47. Risk factors for nonunion following surgically managed, traumatic, diaphyseal fractures: a systematic review and meta-analysis. Jensen SS, Jensen NM, Gundtoft PH, Kold S, Zura R, Viberg B. *EFORT Open Rev.* 2022 Jul 5;7(7):516-525.
48. Secondary surgeries 20 years after surgical and non-surgical treatment of ACL rupture: A population-based cohort study. Melbye P, Gundtoft P, Lien-Iversen T, Barklin Morgan D, Pörneki JC, Viberg B. *Knee.* 2022 Mar;35:1-7.
49. Sliding hip screw vs intramedullary nail for AO/OTA31A1-A3: a systematic review and meta-analysis. Wessels JO, Bjarnesen MP, Erichsen JL, Palm H, Gundtoft PH, Viberg B. *Injury.* 2022 Mar;53(3):1149-1159. doi: 0.1016/j.injury.2021.12.034. Epub 2022 Jan 6.

50. Risk of Reoperation in Simple Ankle Fracture Surgery When Comparing Locking Plate With Nonlocking Plate. Jacobsen GH, Gude MH, Viberg B, Gundtoft PH. *J Foot Ankle Surg.* 2022 May-Jun;61(3):567-571.
51. Nekrotiserende fasciitis. Anette Marianne Fedder, Anne-Mette Hvas, Mikala Wang, Klaus Kjaer Petersen, Lotte Ebdrup, Peter Christensen & Rikke Bek Helmig. *Ugeskr Læger* 2022;184: V11210825
52. Leblanc C, Rölfing J*, Langlais T, Sales de Gauzy J, Accadbled F* (2022): No osteolysis at the telescopic junction of 128 FITBONE lengthening nails. *Orthop Traumatol Surg Res.* 2022; *Epub ahead of print.* doi.org/10.1016/j.otsr.2022.103501
53. Thorninger R*, Wæver D, Tjørnild D, Lind M, Rölfing J* (2022): VOLCON: a randomized controlled trial investigating complications and functional outcome of volar plating vs casting of unstable distal radius fractures in patients older than 65 years. *J Orthop Traumatol.* 2022; 23:54. doi.org/10.1186/s10195-022-00673-4
54. Fridberg M, Bue M, Rölfing J, Kold S* (2022): Host factors and risk of pin site infection in external fixation: a review examining age, body mass index, smoking, comorbidities including diabetes. *J Limb Lengthen Reconstr.* 2022; 8(3): S3-15. *not pubmed listed.* doi.org/10.4103/jllr.jllr_32_21
55. Husted A, Rölfing J, Ingeman M, Paltved C, Ludwig M, Konge L, Nayahangan L, Jensen R* (2022): Identifying technical skills and clinical procedures for simulation-based training in emergency medicine: A nationwide needs assessment. *Am J Emerg Med.* 2022; 62: 140-143. doi.org/10.1016/j.ajem.2022.09.014
56. Vogt B*, Fresen J, Gosheger G, Chhina H, Brune C, Toporowski G, Frommer A, Laufer A, Cooper A, Roedl R, Rölfing J (2022): LIMB-Q Kids - German translation and cultural adaptation. *Children (Basel).* 2022; 9(9): 1405. doi.org/10.3390/children9091405
57. Laufer A*, Toporowski G, Gosheger G, von der Heiden A, Rölfing J, Frommer A, Rachbauer A, Antfang C, Roedl R, Vogt B (2022): Preliminary results of two novel devices for epiphysiodesis in reduction of excessive predicted final height in tall stature. *J Orthop Traumatol.* 2022; 23(1): 46. doi.org/10.1186/s10195-022-00666-3
58. Brune C, Toporowski G, Rölfing J, Gosheger G, Fresen J, Frommer A, Laufer A, Roedl R, Vogt B* (2022): German translation and cross-cultural adaption of the Limb Deformity - Scoliosis Research Society (LD-SRS) questionnaire. *Healthcare (Basel).* 2022; 10(7):1299. doi.org/10.3390/healthcare10071299
59. Toporowski G*, Thiesen R, Gosheger G, Roedl R, Frommer A, Laufer A, Rölfing J, Vogt B (2022): Callus distraction for brachymetatarsia – A comparison between an internal device and the external fixator. *Foot Ankle Surg.* 2022; 28(8): 1220-1228. doi.org/10.1016/j.fas.2022.04.001
60. Laufer A*, Rölfing J, Gosheger G, Toporowski G, Frommer A, Roedl R, Vogt B (2022): What are the risks and functional outcomes associated with bilateral humeral lengthening using a monolateral external fixator in patients with achondroplasia? *Clin Orthop Relat Res.* 2022; 480(9):1779-1789. doi.org/10.1097/CORR.0000000000002209
61. Zuckerman L*, Scolaro JA, Gardner M, Kern T, Lanz P, Quinnan S, Watson JT, Rölfing J (2022): Technical considerations for the management of segmental osseous defects with an internal bone transport nail. *Expert Rev Med Devices.* 2022; 19(3), 203-211. doi.org/10.1080/17434440.2022.2054336
62. Rasmussen MK, Larsen P, Rölfing J, Kirkegaard BL, Thorninger T, Elsoe R* (2022): Epidemiology and incidence of paediatric orthopaedic trauma workload during the COVID-19 pandemic - a multicenter cohort study of 3171 patients. *World J Orthop.* 2022; 13(1):70-77. doi.org/10.5312/wjo.v13.i1.70
63. The inflammatory response and blood-spinal cord barrier integrity in traumatic spinal cord injury: a prospective pilot study. Thea Overgaard Wichmann, Helge Kasch, Stig Dyrskog, Kristian Høy, Bjarne Kuno Møller, Jan Krog, Claus Vinter Bodker Hviid, Hans Jurgen Hoffmann, Mikkel Mylius Rasmussen, 2022. *Acta neurochirurgica* DOI
64. Cerebrospinal fluid and peripheral blood proteomics in Traumatic Spinal Cord Injury: A prospective pilot study. Thea Overgaard Wichmann, Helge Kasch, Stig Dyrskog, Kristian Høy, Bjarne Kuno

Møller, Jan Krog, Hans Jürgen Hoffmann, Claus Vinter Bødker Hviid, Mikkel Mylius Rasmussen, 2022, bind 2, 2022, s. 100906. *Brain & spine* [DOI](#)

65. Fracture Rates in Children with Cerebral Palsy: A Danish, Nationwide Register-Based Study. Granild-Jensen JB, Pedersen AB, Kristiansen EB, Langdahl B, Møller-Madsen B, Søndergaard C, Farholt S, Vestergaard ET, Rackauskaite G. *Clin Epidemiol.* 2022 Nov 22;14:1405-1414. doi: 10.2147/CLEP.S381343. eCollection 2022. PMID: 36444291
66. Treatment of clubfoot in children]. Nielsen MF, Møller-Madsen B, Engell V. *Ugeskr Laeger.* 2022 Oct 3;184(40):V04220238
67. Pubo-Femoral Distances Measured Reliably by Midwives in Hip Dysplasia Ultrasound. Husum HC, Bach Hellfritzsch M, Maimburg RD, Henriksen M, Lapitskaya N, Møller-Madsen B, Rahbek O. *Children (Basel).* 2022 Sep 2;9(9):1345. doi: 10.3390/children9091345. PMID: 36138654
68. Controlled rotation of long bones by guided growth: A proof of concept study of a novel plate in cadavers. Abood AA, Hellfritzsch MB, Møller-Madsen B, Brüel A, Westersø TS, Vedel-Smith NK, Rahbek O, Rölfing JD. *J Orthop Res.* 2022 May;40(5):1075-1082. doi: 10.1002/jor.25148. Epub 2021 Aug 9. PMID: 34324215
69. Reliability and minimal detectable change of the Challenge, an advanced motor skills test for children with cerebral palsy, Danish version. Nordbye-Nielsen K, Maribo T, Wright FV, Rahbek O, Møller-Madsen B. *Disabil Rehabil.* 2022 Aug;44(16):4485-4492. doi: 10.1080/09638288.2021.1906332. Epub 2021 May 6. PMID: 33955308
70. Fracture Rates in Children with Cerebral Palsy: A Danish, Nationwide Register-Based Study. Granild-Jensen JB, Pedersen AB, Kristiansen EB, Langdahl B, Møller-Madsen B, Søndergaard C, Farholt S, Vestergaard ET, Rackauskaite G. *Clin Epidemiol.* 2022 Nov 22;14:1405-1414. doi: 10.2147/CLEP.S381343. eCollection 2022. PMID: 36444291
71. Dijkstra HP, Mc Auliffe S, Ardern CL, Kemp JL, Mosler AB, Price A, Blazey P, Richards D, Farooq A, Serner A, McNally E, Mascarenhas V, Willy RW, Oke JL, Khan KM, Glyn-Jones S, Clarke M, Greenhalgh T, Agricola R, Andersen TE, Ayeni O, Beasley I, Bizzini M, Cardinale M, Chiokwindo T, de Villiers R, Engebretsen L, Entwisle T, Ergen E, Fernquest S, Geertsema C, Gimpel M, Haddad F, Hanff D, Heerey J, Holmich P, Impellizzeri FM, Jacobsen JS, van Rensburg CJ, Kassarian CJ, Khanduja V, Kliethermes S, Lewis C, Maak T, Mayes S, Mechlenburg I, Mkumbuzi N, Nelis S, Palmer A, Papadopoulou T, Philippon M, Pierpoint L, Plass L, Pollock N, Reiman M, Roberts N, Rommers N, Sawaya N, Snoxell T, Souza J, Strickland L, Taseska T, Thorborg T, Thornton J, Tol J, Trease L, van Klij P, Volcke P, Weir A, Wilson F, Yamauchi Y. Oxford consensus on primary cam morphology and femoroacetabular impingement syndrome: part 2-research priorities on conditions affecting the young person's hip. *Br J Sports Med.* 2022 Dec 6:bjsports-2022-106092.
72. Dijkstra HP, Mc Auliffe S, Ardern CL, Kemp JL, Mosler AB, Price A, Blazey P, Richards D, Farooq A, Serner A, McNally E, Mascarenhas V, Willy RW, Oke JL, Khan KM, Glyn-Jones S, Clarke M, Greenhalgh T, Agricola R, Andersen TE, Ayeni O, Beasley I, Bizzini M, Cardinale M, Chiokwindo T, de Villiers R, Engebretsen L, Entwisle T, Ergen E, Fernquest S, Geertsema C, Gimpel M, Haddad F, Hanff D, Heerey J, Holmich P, Impellizzeri FM, Jacobsen JS, van Rensburg CJ, Kassarian CJ, Khanduja V, Kliethermes S, Lewis C, Maak T, Mayes S, Mechlenburg I, Mkumbuzi N, Nelis S, Palmer A, Papadopoulou T, Philippon M, Pierpoint L, Plass L, Pollock N, Reiman M, Roberts N, Rommers N, Sawaya N, Snoxell T, Souza J, Strickland L, Taseska T, Thorborg T, Thornton J, Tol J, Trease L, van Klij P, Volcke P, Weir A, Wilson F, Yamauchi Y. Oxford consensus on primary cam morphology and femoroacetabular impingement syndrome: part 1-definitions, terminology, taxonomy and imaging outcomes. *Br J Sports Med.* 2022 Dec 6:bjsports-2022-106085.
73. Dembic M, van Brakel Andersen L, Larsen MJ, Mechlenburg I, Søballe K, Hertz JM. Whole exome sequencing of 28 families of Danish descent reveals novel candidate genes and pathways in developmental dysplasia of the hip. *Mol Genet Genomics.* 2022 Dec 1. doi: 10.1007/s00438-022-01980-5.
74. Jacobsen JS, Thorborg K, Nielsen RØ, Jakobsen SS, Foldager C, Sørensen D, Oestergaard LG, van Tulder MW, Mechlenburg I. Comparing exercise and patient education with usual care in the

- treatment of hip dysplasia: a protocol for a randomised controlled trial with 6-month follow-up (MovetheHip trial). *BMJ Open*. 2022 Sep 20;12(9):e064242. doi: 10.1136/bmjopen-2022-064242.
75. Kjeldsen T, Dalgas U, Skou ST, van Tulder M, Bibby BM, Mechlenburg I. Progressive resistance training compared to neuromuscular exercise in patients with hip osteoarthritis and the additive effect of exercise booster sessions: protocol for a multicentre cluster randomised controlled trial (The Hip Booster Trial). *BMJ Open*. 2022 Sep 15;12(9):e061053. doi: 10.1136/bmjopen-2022-061053.
 76. Bech-Jørgensen S, Larsen JB, Barroso J, Jakobsen SS, Mechlenburg I. Trajectory for 66 patients treated with periacetabular osteotomy (PAO) and subsequent total hip arthroplasty: a follow-up study including 1378 hips from the Aarhus PAO database. *Arch Orthop Trauma Surg*. 2022 Aug 20. doi: 10.1007/s00402-022-04590-3.
 77. Larsen JB, Østergaard HK, Thillemann TM, Falstie-Jensen T, Reimer LCU, Noe S, Jensen SL, Mechlenburg I. Are progressive shoulder exercises feasible in patients with glenohumeral osteoarthritis or rotator cuff tear arthropathy? Pilot Feasibility Stud. 2022 Aug 3;8(1):168. doi: 10.1186/s40814-022-01127-8.
 78. Jørgensen SL, Kierkegaard S, Bohn MB, Aagaard P, Mechlenburg I. Effects of Resistance Training Prior to Total Hip or Knee Replacement on Post-operative Recovery in Functional Performance: A Systematic Review and Meta-Analysis. *Front Sports Act Living*. 2022 Jul 14;4:924307. doi: 10.3389/fspor.2022.924307.
 79. Jacobsen JS, Thorborg K, Sørensen D, Jakobsen SS, Nielsen RO, Østergaard LG, Søballe K, Mechlenburg I. Feasibility and acceptability of a six-month exercise and patient education intervention for patients with hip dysplasia: A mixed methods study. *Musculoskelet Sci Pract*. 2022 Jun 24;61:102615. doi: 10.1016/j.msksp.2022.102615. Online ahead of print.
 80. Urup Tønning L, Schmid M, Barroso J, Hovind B, Hessain D, Balling M, Jakobsen SS, Mechlenburg I. Is the Femoral-Epiphyseal Acetabular Roof (FEAR) index associated with hip pain in patients with hip dysplasia? *Acta Radiol*. 2022 May 11;2841851221093840. doi: 10.1177/02841851221093840. Online ahead of print.
 81. Høgsholt M, Jørgensen SL, Rølvig N, Mechlenburg I, Tønning LU, Bohn MB. Exercise with Low-Loads and Concurrent Partial Blood Flow Restriction Combined With Patient Education in Females Suffering From Gluteal Tendinopathy: A Feasibility Study. *Front Sports Act Living*. 2022 Apr 14;4:881054. doi: 10.3389/fspor.2022.881054.
 82. Stisen MB, Kløn AN, Jacobsen JS, O'Connell MDL, Ayis S, Sackley C, Pedersen AB, Mechlenburg I. Do changes in outcomes following primary and revision hip replacement differ and relate to markers of socioeconomic status? A 1-year population-based cohort study. *Acta Orthop*. 2022 Apr 6;93:397-404.
 83. Kierkegaard S, Mechlenburg I, Dalgas U, Lund B. Five-Year Follow-up After Hip Arthroscopic Surgery in the Horsens-Aarhus Femoroacetabular Impingement (HAFAI) Cohort. *Orthop J Sports Med*. 2022 Mar 8;10(3):23259671221075653. doi: 10.1177/23259671221075653.
 84. Petersson N, Langgård Jørgensen S, Kjeldsen T, Mechlenburg I, Aagaard P. Blood flow restricted walking in elderly individuals with knee osteoarthritis: a feasibility study. *J Rehabil*
 85. Kløn AN, Stisen MB, Edwards NM, Mechlenburg I, Pedersen AB. Socioeconomic status and use of analgesic drugs before and after primary hip arthroplasty: a population-based cohort study of 103,209 patients during 1996-2018. *Acta Orthop*. 2022 Jan 3;93:171-178.
 86. Jensen JH, Sørensen L, Mosegaard SB, Mechlenburg I. Risk Stratification for Postoperative Pulmonary Complications following Major Cardiothoracic and Abdominal Surgery - development of the PPC Risk Prediction Score for Physiotherapists Clinical Decision-making. *Physiother Theory Pract*. 2022 Mar 1:1-12. doi: 10.1080/09593985.2022.2037795. Online ahead of print.
 87. Beck Larsen J, Thillemann TM, Launonen AP, Østergaard HK, Falstie-Jensen T, Reito A, Lund Jensen S, Mechlenburg I. Study protocol: Prosthesis versus Active (ProAct) exercise program in

- patients with glenohumeral osteoarthritis - a multicenter, randomized controlled trial. *Acta Orthop*. 2022 Feb 8;93:303-316.
88. Thomasen A, Mechlenburg I, Laursen JO, Liljensøe A. Long-term results after weight loss intervention in knee arthroplasty patients with obesity. *Dan Med J*. 2022 Jan 5;69(2):A06210510.
 89. LaPrade RF, Geeslin AG, Chahla J, Cohen M, Engebretsen L, Faucett SC, Getgood AM, Inderhaug E, Johnson DL, Kopf S, Krych AJ, Larson CM, Lind M, Moatshe G, Murray IR, Musahl V, Negrin R, Riboh JC, Seil R, Spalding T. Posterior Lateral Meniscal Root and Oblique Radial Tears: The Biomechanical Evidence Supports Repair of These Tears, Although Long-Term Clinical Studies Are Necessary. *Arthroscopy*. 2022 Dec;38(12):3095-3101. doi: 10.1016/j.arthro.2022.09.015. PMID: 36462774.
 90. Elmholt SB, Nielsen TG, Lind M. Fixed-loop vs. adjustable-loop cortical button devices for femoral fixation in ACL reconstruction - a systematic review and meta-analysis. *J Exp Orthop*. 2022 Oct 21;9(1):106. doi: 10.1186/s40634-022-00544-1. Erratum in: *J Exp Orthop*. 2022 Nov 26;9(1):112. PMID: 36269424; PMCID: PMC9587170.
 91. LaPrade RF, Engebretsen L, Lind M. Comparative Outcomes After Superficial Medial Collateral Ligament Augmented Repair vs Reconstruction: Response. *Am J Sports Med*. 2022 Oct;50(12):NP53-NP54. doi: 10.1177/03635465221113587. PMID: 36177756.
 92. Zsidai B, Narup E, Senorski EH, Lind M, Spalding T, Musahl V, Samuelsson K, Irrgang JJ. The Knee Injury and Osteoarthritis Outcome Score: shortcomings in evaluating knee function in persons undergoing ACL reconstruction. *Knee Surg Sports Traumatol Arthrosc*. 2022 Nov;30(11):3594-3598. doi: 10.1007/s00167-022-06990-9. Epub 2022 May 7. PMID: 35524798.
 93. Nielsen TG, Sørensen OG, Lind M. A comparison of multi-ligament reconstruction and isolated anterior cruciate ligament reconstruction at one year follow-up: results from the Danish Knee Ligament Reconstruction Registry. *J Exp Orthop*. 2022 Apr 7;9(1):30. doi: 10.1186/s40634-022-00473-z. PMID: 35389086; PMCID: PMC8991287.
 94. Fiil M, Nielsen TG, Lind M. A high level of knee laxity after anterior cruciate ligament reconstruction results in high revision rates. *Knee Surg Sports Traumatol Arthrosc*. 2022 Oct;30(10):3414-3421. doi: 10.1007/s00167-022-06940-5. Epub 2022 Mar 25. PMID: 35333934.
 95. Dippmann C, Warming T, Lind M, Krogsgaard M. [Clinical diagnostics and treatment of multiligament injuries of the knee]. *Ugeskr Laeger*. 2022 Feb 7;184(6):V07210561. Danish. PMID: 35179118.
 96. LaPrade RF, DePhillipo NN, Dornan GJ, Kennedy MI, Cram TR, Dekker TJ, Strauss MJ, Engebretsen L, Lind M. Comparative Outcomes Occur After Superficial medial Collateral Ligament Augmented Repair vs Reconstruction: A Prospective Multicenter Randomized Controlled Equivalence Trial. *Am J Sports Med*. 2022 Mar;50(4):968-976. doi: 10.1177/03635465211069373. Epub 2022 Feb 2. PMID: 35107354.
 97. Elmholt SB, Hede KC, Christensen BB, Thomsen JS, Lind M. The Effect of Bone Marrow Stimulation for Cartilage Repair on the Subchondral Bone Plate. *Cartilage*. 2022 Jan-Mar;13(1):19476035221074011. doi: 10.1177/19476035221074011. PMID: 35098739; PMCID: PMC9137303.
 98. Martin RK, Wastvedt S, Pareek A, Persson A, Visnes H, Fenstad AM, Moatshe G, Wolfson J, Lind M, Engebretsen L. Machine learning algorithm to predict anterior cruciate ligament revision demonstrates external validity. *Knee Surg Sports Traumatol Arthrosc*. 2022 Feb;30(2):368-375. doi: 10.1007/s00167-021-06828-w. Epub 2022 Jan 1.
 99. Larsen JB, Østergaard HK, Thillemann TM, Falstie-Jensen T, Reimer LCU, Noe S, Jensen SL, Mechlenburg I. Are progressive shoulder exercises feasible in patients with glenohumeral osteoarthritis or rotator cuff tear arthropathy? Pilot Feasibility Stud. 2022 Aug 3;8(1):168. doi: 10.1186/s40814-022-01127-8. PMID: 35922865; PMCID: PMC9347133.
 100. Brorson S, Elliott J, Thillemann T, Aluko P, Handoll H. Interventions for proximal humeral fractures: key messages from a Cochrane review. *Acta Orthop*. 2022 Jul 4;93:610-612. doi: 10.2340/17453674.2022.3495. PMID: 35819454; PMCID: PMC9275419.

101. Handoll HH, Elliott J, Thillemann TM, Aluko P, Brorson S. Interventions for treating proximal humeral fractures in adults. *Cochrane Database Syst Rev*. 2022 Jun 21;6(6):CD000434. doi: 10.1002/14651858.CD000434.pub5. PMID: 35727196; PMCID: PMC9211385.
102. Beck Larsen J, Thillemann TM, Launonen AP, Østergaard HK, Falstie-Jensen T, Reito A, Lund Jensen S, Mechlenburg I. Study protocol: Prosthesis versus Active (ProAct) exercise program in patients with glenohumeral osteoarthritis – a multicenter, randomized controlled trial. *Acta Orthop*. 2022 Feb 8;93:303-316. doi: 10.2340/17453674.2022.2043. PMID: 35138410; PMCID: PMC8826696.
103. Tøstesen SK, Hanberg P, Bue M, Thillemann TM, Falstie-Jensen T, Tøttrup M, Knudsen MB, Schmedes AV, Stilling M. Weight-based cefuroxime dosing provides comparable orthopedic target tissue concentrations between weight groups – a microdialysis porcine study. *APMIS*. 2022 Feb;130(2):111-118. doi: 10.1111/apm.13198. Epub 2021 Dec 22. PMID: 34862642.
104. Ponraj DS, Lange J, Falstie-Jensen T, Jørgensen NP, Ravn C, Poehlein A, Brüggemann H. Amplicon-Based Next-Generation Sequencing as a Diagnostic Tool for the Detection of Phylotypes of *Cutibacterium acnes* in Orthopedic Implant-Associated Infections. *Front Microbiol*. 2022 Apr 7;13:866893. doi: 10.3389/fmicb.2022.866893. PMID: 35464945.
105. Nursing representatives in clinical quality databases and the presence of nursing-sensitive indicators of fundamental nursing care. Mainz H, Odgaard L, Kristensen PK. *J Adv Nurs*. 2022 Aug 8. doi: 10.1111/jan.15400. Online ahead of print. PMID: 35938943
106. Patient-reported outcomes as hospital performance measures: the challenge of confounding and how to handle it. Kristensen PK, Johnsen SP. *Int J Qual Health Care*. 2022 Mar 31;34 (Supplement_1):ii59-ii64. doi: 10.1093/intqhc/mzac003. PMID: 35357444
107. Comorbidity and Quality of In-Hospital Care for Hip Fracture Patients. Schrøder CK, Hjelholt TJ, Møller H, Madsen M, Pedersen AB, Kristensen PK. *J Am Med Dir Assoc*. 2022 Apr;23(4):671-677.e4. doi: 10.1016/j.jamda.2022.01.078. Epub 2022 Mar 2. PMID: 35247357 Free article.
108. Geographic variation in hip fracture surgery rate, care quality and outcomes: a comparison between national registries in Ireland and Denmark. Walsh ME, Sorensen J, Blake C, Johnsen SP, Kristensen PK. *Arch Osteoporos*. 2022 Sep 26;17(1):128. doi: 10.1007/s11657-022-01169-8. PMID: 36161538
109. Prediction Ability of Charlson, Elixhauser, and Rx-Risk Comorbidity Indices for Mortality in Patients with Hip Fracture. A Danish Population-Based Cohort Study from 2014 - 2018. Vesterager JD, Madsen M, Hjelholt TJ, Kristensen PK, Pedersen AB. *Clin Epidemiol*. 2022 Mar 8;14:275-287. doi: 10.2147/CLEP.S346745. eCollection 2022. PMID: 35299726 Free PMC article.
110. Mainz H, Frandsen L, Lind M, Fauno P, Lomborg K. Development and Test of a Decision Aid for Shared Decision Making in Patients with Anterior Cruciate Ligament Injury. *MDM Policy Pract*. 2022 Mar 4;7(1):23814683221081434. doi: 10.1177/23814683221081434. PMID: 35281552; PMCID: PMC8905059.

Afsluttede ph.d. forløb 2022

Navn	Titel	Forsvar	Vejleder
Emil Toft Petersen	Kinematic investigation of knee osteoarthritis and arthroplasty designs – employing dynamic radiostereometry	11.03.22	Maiken Stilling
Helle Kvistgaard Østergaard	Perspectives on rehabilitation in the non-surgical management of proximal humerus fractures	24.03.22	Inger Mechlenburg
Janni Kjærsgaard Thillemann	Distal radioulnar joint kinematics assessed by dynamic radiostereometry	25.03.22	Maiken Stilling

Afsluttede forskningsår 2022

Navn	Titel	Vejleder
Magnus Hvistendahl	Forebyggelse af infektion ved ortopædiske rygoperationer – en klinisk undersøgelse af antibiotikakoncentrationer i rygsøjlen væv efter vægtjusteret antibiotika-dosering	Kristian Høy
Alexander Juan Møller-San Pedro	Does tailored preoperative information reduce children's distress measured by Pressure Pain Thresholds (PPT)?	Bjarne Møller-Madsen
Emma Julie H.-H. Kristensen	Genu valgum managed with hemiepiphyodesis - Treatment efficiency and Patient reported Outcomes	Jan Rölfing
Simone Birkebæk Elmholt	Adjustable-loop devices are non-inferior compared to fixed-loop devices for femoral fixation in anterior cruciate ligament reconstruction	Martin Lind

Afsluttede specialer 2022

Navn	Forløb	Titel	Vejleder
Marianne Frydendal Nielsen	Individuelt	Follow-up on talectomy in paediatric feet	Bjarne Møller-Madsen
Alexander Juan Møller-San Pedro	Individuelt	Distress reductive efforts in children before surgery measured by Pressure Pain Thresholds (PPT)	Bjarne Møller-Madsen
Lucas Yang Fisker	Individuelt	How does virtual reality affect children with different individual characteristics?	Bjarne Møller-Madsen
Jenny Kornberg	Individuelt	Outcome after anterior cervical discectomy and fusion (ACDF) with and without plate. A prospective cohort study, comparing plating with no plating	Kristian Høy
Tobias Dahl Vind	Individuelt	Objectively measured knee instability during Pivot-shift test. An experimental Dynamic RSA study	Maiken Stilling
Sofus Ø. Vittrup	Individuelt	Concentrations of co-administered vancomycin and meropenem in the internal dead space of a cannulated screw and in cancellous bone adjacent to the screw – evaluated by microdialysis in a porcine model	Maiken Stilling
Elisabeth K. Petersen	Individuelt	Intermittent short-term infusion vs. continuous infusion of piperacillin in porcine cervical spine tissue	Maiken Stilling
Jacob Sorwad	Individuelt	Betydning af tibial slope for behandlingsresultatet efter forreste korsbåndsrevisionsrekonstruktion	Martin Lind

Forskningsbevillinger 2022

10.000	Frimodt-Heineke Fonden
10.000	Grosserer A.V. Lykfeldts og Hustrus Legat
15.000	Carl og Ellen Hertz' Legat
30.000	Familien Hede Nielsens Fond
37.500	Christen Møller Sørensens og hustru Marie Christine Sørensens Fond
40.000	Helga og Peter Kornings Fond
46.485	Simon Spies Fonden
50.000	Lægeforeningens Forskningsfond
75.000	Eva og Henry Frænkels Mindefond
90.000	Vissing Fonden
90.000	Aase og Ejnar Danielsens Fond
100.000	Jens og Maren Thestrups Legat
100.000	Ortopædkirurgisk Forskningsfond i Aarhus
135.000	P. Carl Petersens Fond
145.000	Novo Nordisk Fonden
150.000	Gigtforeningen
155.000	Toyota-Fonden
160.000	Kirsten & Freddy Johansens Fond
181.634	AUH's SVP-pulje
187.000	A.P. Møller Fonden
190.000	Arvid Nilssons Fond
190.000	DCCC
200.000	Beckett-Fonden
421.883	Inge og Asker Larsens Fond
520.000	ACROBATIC Dansk Forskningscenter for Kræftkirurgi
539.488	Folkesundhed i Midten
996.189	Offerfonden
1.608.996	Læge Sofus Carl Emil Friis og Hustru Olga Doris Friis' Legat
1.620.000	Aarhus Universitet
2.264.100	RM's Sundhedsvidenskabelige Forskningsfond
2.498.700	AUFF NOVA
2.877.833	Danmarks Frie Forskningsfond
15.734.808	Totalt

Nye forskningsansættelser i 2022

Navn og ansættelse	Periode	Projekt	Vejleder
Anna Borgognoni Cand.med. <i>Ph.d.-studerende</i>	01.01.22- 31.12.24	Personalised Surgery – introducing medical 3D print technology in reconstructive and orthopaedic oncology	Thomas Baad- Hansen
Martin Bækgaard Stisen Fysioterapeut, Cand.scient.san. <i>Videnskabelig assistent</i>	01.01.22- 31.03.22	Revision total hip replacement. Development and testing of an optimised community-based rehabilitation	Inger Mechlenburg
Emil Toft Petersen Cand.scient.tech. i idrætstek., ph.d. <i>Klinisk specialist</i>	01.01.22- 31.12.24	Udvikling af dynamisk RSA og ledfunktionsundersøgelse	Maiken Stilling
Hans Chr. Rasmussen Stud.med. <i>Forskningsårsstuderende</i>	01.02.22- 31.01.23	Bone and soft tissue concentrations of penicillin assessed via microdialysis after intravenous and oral administration in a porcine model	Maiken Stilling
Peter Bo Jørgensen Fysioterapeut, Cand.scient.san., ph.d. <i>Klinisk specialist</i>	01.03.22- 28.02.23	Prædiktionsmodel for holdbarhed af hofteprotese	Maiken Stilling
Jonathan Hugo Jürgens- Lahnstein Cand.med. <i>Klinisk assistent</i>	01.08.22- 31.10.22	Projekt vedr. dynamisk radiostereometri	Maiken Stilling
Anders Begtorp Jensen Civilingeniør, cand.polyt. i biomedicinsk teknologi <i>Videnskabelig assistent</i>	08.08.22- 07.11.22	Deep learning based synthetic CT generation from MR images	Maiken Stilling
Efe Levent Aras	Sept. 2022	Dødelighed og sundheds- ressourceforbrug efter C2- fraktur hos ældre patienter	

Lisa B. Salling Stud.med. <i>Forskningsårsstuderende</i>	01.09.22- 31.08.23	Is guide wire navigation a generic skill?	Jan D. Rölfing
Johanne Frost Teilmann Stud.med. <i>Forskningsårsstuderende</i>	01.09.22- 31.08.23	Biomekanisk evaluering af caput radii protese i albueleddet med dynamisk RSA	Maiken Stilling
Johanne Lilleøre Gade Stud.med. <i>Forskningsårsstuderende</i>	01.09.22- 31.08.23	Vurdering af Dalbavancins knoglekoncentration i grise - et paradigmeskift i behandlingen af stafylokokinfectioner i knogler og led	Maiken Stilling

Forskningspriser 2022

DOS Publish Award 2022 – Best PhD of the year: **Janni Kjærgaard Thillemann**

Distal radioulnar joint kinematics assessed by dynamic radiostereometry

DOS Publish Award 2022 – Best Paper of the year: **Emil Toft Petersen**

Patients with knee osteoarthritis can be divided into subgroups based on tibiofemoral joint kinematics of gait - an exploratory and dynamic radiostereometric study

DOS Presentation Award 2022 – Second Best Paper: **Karina Nørgaard Linde**

Topical Zoledronate improves fixation of cementless total knee arthroplasty by suppression of bone resorption. A randomized, double-blinded RSA study of 51 patients with 5 years follow-up

DOS - YODA Best Paper 2022 - **Simone Elmholt**

Adjustable-Loop Devices are non-inferior compared to Fixed-Loop Devices for femoral fixation in Anterior Cruciate Ligament Reconstruction

DOS Fellowship til ph.d. ophold på Harris Orthopaedics Laboratory, Boston, USA: **Karina Nørgaard Linde og Andrea René Jørgensen**

Ph.d. studerende **Mike O'Brien**, prisen "Best Infographic Award", World Congress of Sports Physiotherapy; Denmark

2022 1st prize Best Scientific Paper Award, European Bone and Joint Infection Society 40th annual Meeting: **Magnus Hvistendahl** for presentation: Cefuroxime concentrations in the anterior and posterior column of the lumbar spine – an experimental porcine microdialysis study. Magnus A. Hvistendahl, Pelle Hanberg, Mats Bue, Alexander Emil Kaspersen, Anne V. Schmedes, Maiken Stilling, Kristian Høy.

2022 ESSKA Congress. Best Paper Award. A randomized controlled trial of early meniscal surgery or exercise therapy and education with the option of later surgery in adults aged 18-40 years Søren T. Skou, PhD, Per Hölmich, DMSc, **Martin Lind**, PhD, Hans Peter Jensen, MD, Carsten Jensen, PhD, Mette Garval, MSc, Jonas B. Thorlund, PhD - for the DREAM study group

Martin Lind, Ledende professor, 01-03-2023