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## Employment

Department of Regional Health Research

1. Mar 2024 → 28. Feb 2029

### Head of Research

IRS - Lillebælt Hospital, Research Unit of Orthopaedics (Veje)

1. Mar 2024 → 28. Feb 2029

## Research outputs

### Psychopharmacological treatment in patients planned for hip or knee replacement

Kornvig, S., Kehlet, H., Jørgensen, C. C., Fink-Jensen, A., Videbech, P., Lindberg-Larsen, M., Gromov, K., Rasmussen, M. B., Bieder, M. J. & Varnum, C., Jul 2024, In: Basic and Clinical Pharmacology and Toxicology. 135, 1, p. 52-59

### Perioperative association between c-reactive protein, pain catastrophizing and acute pain after total knee arthroplasty: A secondary analysis of two randomised trials

Springborg, A. H., Kehlet, H., Nielsen, N. I., Gromov, K., Troelsen, A., Varnum, C. & Foss, N. B., 22. Jun 2024, (E-pub ahead of print) In: Acta Anaesthesiologica Scandinavica.

### Implementation of outpatient hip and knee arthroplasty in a multicenter public healthcare setting

Danielsen, O., Varnum, C., Jensen, C. B., Jakobsen, T., Andersen, M. R., Bieder, M. J., Overgaard, S., Jørgensen, C. C., Kehlet, H., Gromov, K. & Lindberg-Larsen, M., 7. May 2024, In: Acta Orthopaedica. 95, p. 219-224

### Progressive Resistance Training or Neuromuscular Exercise for Hip Osteoarthritis: A Multicenter Cluster Randomized Controlled Trial

Kjeldsen, T., Skou, S. T., Dalgas, U., Tønning, L. U., Ingwersen, K. G., Birch, S., Holm, P. M., Frydendal, T., Garval, M., Varnum, C., Bibby, B. M. & Mechlenburg, I., 1. May 2024, In: Annals of Internal Medicine. 177, 5, p. 573-582

### Early surgery versus exercise therapy and patient education for traumatic and non-traumatic meniscal tears in young adults - an exploratory analysis from the DREAM-trial

Damsted, C., Skou, S. T., Hölmich, P., Lind, M., Varnum, C., Jensen, H. P., Hansen, M. S. & Thorlund, J. B., May 2024, In: The Journal of orthopaedic and sports physical therapy. 54, 5, p. 340-349

### Response to Letter to the Editor on "Spinal anesthesia versus general anesthesia (SAGA) on recovery after hip and knee arthroplasty: A study protocol for three randomized, single-blinded, multi-center, clinical trials"

Jensen, C. B., Gromov, K., Foss, N. B., Kehlet, H., Pleckaitiene, L., Varnum, C. & Troelsen, A., May 2024, (E-pub ahead of print) In: Acta Anaesthesiologica Scandinavica.

### Protocol for a prospective multicentre cohort study to address the question whether diabetes and its management is still a risk factor in fast-track joint arthroplasty

Issa, L. M., Kehlet, H., Madsbad, S., Lindberg-Larsen, M., Varnum, C., Jakobsen, T., Andersen, M. R., Bieder, M. J., Overgaard, S., Hansen, T. B., Gromov, K. & Jørgensen, C. C., 23. Apr 2024, In: BMJ Open. 14, 4, 5 p., e080232.

### Non-opioid analgesic combinations following total hip arthroplasty (RECIPE): a randomised, placebo-controlled, blinded, multicentre trial

Steiness, J., Hägi-Pedersen, D., Lunn, T. H., Overgaard, S., Brorson, S., Graungaard, B. K., Lindberg-Larsen, M., Varnum, C., Lundstrøm, L. H., Beck, T., Skettrup, M., Pedersen, N. A., Bieder, M. J., von Cappeln, A. G., Pleckaitiene, L., Lindholm, P., Bukhari, S. S. H., Derby, C. B., Nielsen, M. G. & Exsteen, O. W. & 7 others, Vinstrup, L. Ø., Thybo, K. H., Gasbjerg, K. S., Nørskov, A. K., Jakobsen, J. C., Mathiesen, O. & RECIPE trial group, Apr 2024, In: The Lancet Rheumatology. 6, 4, p. e205-e215

#### **Time-course of heart rate variability after total hip arthroplasty**

Frandsen, M. N., Varnum, C., Foss, N. B., Mehlsen, J. & Kehlet, H., Apr 2024, In: Journal of Clinical Monitoring and Computing. 38, p. 423-432

#### **Ceramic-on-Ceramic Total Hip Arthroplasty and Noises: A Prospective Blinded Randomized Controlled Trial of Influence of Component Design**

Paulsen, R. T., Revald, P. H., Kjærsgaard-Andersen, P., Timm, S. & Varnum, C., Mar 2024, In: Journal of Arthroplasty. 39, 3, p. 734-738

#### **No Association Between Previous General Infection and Prosthetic Joint Infection After Total Hip Arthroplasty: A National Register-Based Cohort Study on 58,449 Patients Who Have Osteoarthritis**

Joanroy, R., Gubbels, S., Kjølseth Møller, J., Overgaard, S. & Varnum, C., Feb 2024, In: Journal of Arthroplasty. 39, 2, p. 501-506.e3

#### **Total hip arthroplasty performed in summer is not associated with increased risk of revision due to prosthetic joint infection: A cohort study on 58449 patients with osteoarthritis from the Danish Hip Arthroplasty Register**

Joanroy, R., Møller, J. K., Gubbels, S., Overgaard, S. & Varnum, C., 23. Jan 2024, In: Journal of Bone and Joint Infection. 9, 1, p. 1-8

#### **Spinal anaesthesia versus general anaesthesia (SAGA) on recovery after hip and knee arthroplasty: A study protocol for three randomized, single-blinded, multi-centre, clinical trials**

Jensen, C. B., Gromov, K., Foss, N. B., Kehlet, H., Pleckaitiene, L., Varnum, C. & Troelsen, A., Jan 2024, In: Acta Anaesthesiologica Scandinavica. 68, 1, p. 137-143

#### **Does the development of MRI-defined osteoarthritis features and patient-reported outcomes at two years differ between young adults randomized to surgery or exercise for meniscal tears?**

Clausen, S. H., Skou, S. T., Boesen, M., Radev, D. I., Damsted, C., Hölmich, P., Lind, M., Tørring, S., Isaksen, C., Varnum, C., Englund, M. & Thorlund, J. B., 2024, In: Osteoarthritis and Cartilage. 32, Supplement 1

#### **Major comorbid diseases as predictors of infection in the first month after hip fracture surgery: a population-based cohort study in 92,239 patients**

Gadgaard, N. R., Varnum, C., Nelissen, R., Vandenbroucke-Grauls, C., Sørensen, H. T. & Pedersen, A. B., 2024, (E-pub ahead of print) In: European Geriatric Medicine.

#### **MRI-defined Structural Damage and Patient-Reported Outcomes Following Surgery or Exercise for Meniscal tears in Young Adults – Two-year results**

Clausen, S. H., Skou, S. T., Boesen, M., Radev, D. I., Damsted, C., Hölmich, P., Lind, M., Tørring, S., Isaksen, C., Varnum, C., Englund, M. & Thorlund, J. B., 2024.

#### **Two-year MRI-defined structural damage and patient-reported outcomes following surgery or exercise for meniscal tears in young adults**

Clausen, S. H., Skou, S. T., Boesen, M. P., Radev, D. I., Kurt, E. Y., Damsted, C., Hölmich, P., Lind, M., Tørring, S., Isaksen, C., Varnum, C., Englund, M. & Thorlund, J. B., 10. Dec 2023, In: British Journal of Sports Medicine. 57, 24, p. 1566-1572

#### **Comorbidity and risk of infection among patients with hip fracture: a Danish population-based cohort study**

Gadgaard, N. R., Varnum, C., Nelissen, R. G. H. H., Vandenbroucke-Grauls, C., Sørensen, H. T. & Pedersen, A. B., Oct 2023, In: Osteoporosis International. 34, 10, p. 1739-1749

**High dose dexamethasone in high pain responders undergoing total hip arthroplasty: A randomized controlled trial**  
Nielsen, N. I., Kehlet, H., Gromov, K., Troelsen, A., Husted, H., Varnum, C., Kjærsgaard-Andersen, P., Rasmussen, L. E., Pleckaitiene, L. & Foss, N. B., Oct 2023, In: *European Journal of Anaesthesiology*. 40, 10, p. 737-746

**Minimal Hip Joint Space Width Measured on X-rays by an Artificial Intelligence Algorithm: A Study of Reliability and Agreement**

Andersen, A. M., Rasmussen, B. S. B., Graumann, O., Overgaard, S., Lundemann, M., Haubro, M. H., Varnum, C., Rasmussen, J. & Jensen, J., Sept 2023, In: *BioMedInformatics*. 3, 3, p. 714-723

**The Danish Pain Research Biobank (DANPAIN-Biobank): a collection of blood, cerebrospinal fluid, and clinical data for the study of neuroimmune and glia-related biomarkers of chronic pain**

Blichfeldt-Eckhardt, M. R., Mortensen, W. C. P., Varnum, C., Bendix, L., Lauridsen, J. T., Jensen, H. I., Rasmussen, L. E., Nielsen, H. H., Toft, P., Lambertsen, K. L. & Vaegter, H. B., 30. Aug 2023, In: *Journal of Translational Medicine*. 11, 10, 16 p., 343.

**Effect of single versus multiple prophylactic antibiotic doses on prosthetic joint infections following primary total hip arthroplasty in patients with osteoarthritis at public and private hospitals in Denmark: protocol for a nationwide cross-over, cluster randomised, non-inferiority trial [The Pro-Hip-Quality Trial]**

Abedi, A. A., Varnum, C., Pedersen, A. B., Gromov, K., Hallas, J., Iversen, P., Jakobsen, T., Jimenez-Solem, E., Kidholm, K., Kjerulf, A., Lange, J., Odgaard, A., Rosenvinge, F. S., Solgaard, S., Sperling, K., Stegger, M., Christensen, R. & Overgaard, S., 21. Aug 2023, In: *BMJ Open*. 13, 8, 13 p., e071487.

**Does choice of bearings influence the survival of cementless total hip arthroplasty in patients aged 20-55 years?**

**Comparison of 21,594 patients reported to the Nordic Arthroplasty Register Association dataset 2005-2017**

Mikkelsen, R. T., Overgaard, S., Pedersen, A. B., Kärrholm, J., Rolfson, O., Fenstad, A. M., Furnes, O., Hallan, G., Mäkelä, K., Eskelinen, A. & Varnum, C., 5. Jun 2023, In: *Acta Orthopaedica*. 94, p. 266-273

**Effect of exercise therapy versus surgery on mechanical symptoms in young patients with a meniscal tear: a secondary analysis of the DREAM trial**

Damsted, C., Thorlund, J. B., Hölmich, P., Lind, M., Varnum, C., Villumsen, M. D., Hansen, M. S. & Skou, S. T., 4. May 2023, In: *British Journal of Sports Medicine*. 57, 9, p. 521-527

**Repeat dose steroid in high pain responders after total knee arthroplasty: A study protocol**

Springborg, A. H., Varnum, C., Nielsen, N. I., Rasmussen, L. E., Kjærsgaard-Andersen, P., Pleckaitiene, L., Gromov, K., Troelsen, A., Kehlet, H. & Foss, N. B., May 2023, In: *Acta Anaesthesiologica Scandinavica*. 67, 5, p. 675-681

**Study protocol for discharge on day of surgery after hip and knee arthroplasty from the Center for Fast-track Hip and Knee Replacement**

Lindberg-Larsen, M., Varnum, C., Jakobsen, T., Andersen, M. R., Sperling, K., Overgaard, S., Hansen, T. B., Jørgensen, C. C., Kehlet, H. & Gromov, K., 30. Mar 2023, In: *Acta Orthopaedica*. 94, p. 121-127

**High-dose dexamethasone in low pain responders undergoing total knee arthroplasty: a randomised double-blind trial**

Nielsen, N. I., Kehlet, H., Gromov, K., Troelsen, A., Husted, H., Varnum, C., Kjærsgaard-Andersen, P., Rasmussen, L. E., Pleckaitiene, L. & Foss, N. B., Mar 2023, In: *British Journal of Anaesthesia*. 130, 3, p. 322-330

**Pain treatment after total hip arthroplasty: Detailed statistical analysis plan for the RECIPE randomised clinical trial**

Steiness, J., Hägi-Pedersen, D., Lunn, T. H., Nørskov, A. K., Lindberg-Larsen, M., Graungaard, B. K., Lundstrøm, L. H., Lindholm, P., Brorson, S., Bieder, M. J., Beck, T., Skettrup, M., von Cappeln, A. G., Thybo, K. H., Varnum, C., Pleckaitiene, L., Anker Pedersen, N., Overgaard, S., Mathiesen, O. & Jakobsen, J. C., Mar 2023, In: *Acta Anaesthesiologica Scandinavica*. 67, 3, p. 372-380

**Sensitivity and specificity for detecting pseudotumors in patients with hip resurfacing arthroplasty, metal-on-metal or metal-on-polyethylene total hip arthroplasty-MRI versus ultrasonography performed by an orthopedic surgery resident**

Mikkelsen, R. T., Schou, M., Torfing, T., Graumann, O., Overgaard, S. & Varnum, C., 8. Feb 2023, In: *Acta Radiologica Open*. 12, 2, p. 1-7

**Peripheral nerve-blocks and associations with length of stay and readmissions in fast-track total hip and knee arthroplasty**  
Jørgensen, C. C., Petersen, P. B., Daugberg, L. O., Jakobsen, T., Gromov, K., Varnum, C., Andersen, M. R., Palm, H. & Kehlet, H., Feb 2023, In: *Acta Anaesthesiologica Scandinavica*. 67, 2, p. 169-176

**Complications after lateral unicompartmental knee arthroplasty in a fast-track setting: a prospective cohort study of 170 procedures**

I Bunyoz, K., Jørgensen, C. C., Petersen, P. B., Kehlet, H., Gromov, K., Troelsen, A., Madsen, F., Hansen, T. B., Laursen, M., Hansen, L. T., Varnum, C., Andersen, M. R., Krarup, N. H., Palm, H. & Lundbeck Foundations Centre for Fast-track Hip and Knee Replacement Collaborative Group, 2023, In: *Acta Orthopaedica*. 94, p. 316-320

**MRI-findings in young patients with meniscal tears.**

Clausen, S. H., Skou, S. T., Boesen, M., Radev, D. I., Kurt, E. Y., Hölmich, P., Lind, M., Tørring, S., Isaksen, C., Varnum, C. & Thorlund, J. B., 2023.

**The effect of exercise therapy and surgery on mechanical symptoms in young patients with a meniscal tear.**

Damsted, C., Thorlund, J. B., Hölmich, P., Lind, M., Varnum, C., Villumsen, M. D., Hansen, M. S. & Skou, S. T., 2023, In: *BMJ Open Sport & Exercise Medicine*. 9, Supplement 1

**Use of a tourniquet is not associated with increased risk of venous thromboembolism after fast-track total knee arthroplasty: a prospective multicenter cohort study of 16,250 procedures**

Petersen, P. B., Mikkelsen, M., Jørgensen, C. C., Kappel, A., Troelsen, A., Kehlet, H., Gromov, K., Madsen, F., B Hansen, T., Laursen, M., Varnum, C., Andersen, M. R., Krarup, N. H., Palm, H. & Lundbeck Foundation Centre for Fast-Track Hip and Knee Replacement Collaborative Group, 2023, In: *Acta Orthopaedica*. 94, p. 342-347

**The association between socioeconomic status and the 90-day risk of cardiovascular events after total hip arthroplasty: registry-based study of 103,286 patients**

Edwards, N. M., Kristiansen, E. B., Varnum, C., Overgaard, S., Nelissen, R. G. H. H. & Pedersen, A. B., 7. Nov 2022, In: *Acta Orthopaedica*. 93, p. 837-848

**Calcified cartilage differs in patients with end-stage primary osteoarthritis and secondary osteoarthritis due to rheumatoid arthritis of the hip joint**

Jensen, R., Christensen, A. F., Hartlev, L. B., Thomsen, J. S., Boel, L. W. T., Laursen, M., Revald, P. H., Varnum, C., Keller, K. K. & Hauge, E. M., Nov 2022, In: *Scandinavian Journal of Rheumatology*. 51, 6, p. 441-451

**A Deep Learning Algorithm for Radiographic Measurements of the Hip in Adults-A Reliability and Agreement Study**

Jensen, J., Graumann, O., Overgaard, S., Gerke, O., Lundemann, M., Haubro, M. H., Varnum, C., Bak, L., Rasmussen, J., Olsen, L. B. & Rasmussen, B. S. B., 26. Oct 2022, In: *Diagnostics*. 12, 11, 13 p., 2597.

**Readmissions and mortality after outpatient vs inpatient unicompartmental knee arthroplasty in Denmark: A propensity score matched study of 5,384 procedures**

Arndt, K. B., Varnum, C., Lindberg-Larsen, M., Jensen, C. B. & Rasmussen, L. E., Oct 2022, In: *Knee*. 38, p. 50-55

**Variation in Patient-Reported Outcomes in Young and Old Patients Up to 4 to 6 Years After Arthroscopic Partial Meniscectomy**

Tayfur, B., Pihl, K., Varnum, C., Lohmander, S., Englund, M. & Thorlund, J. B., 1. Sept 2022, In: *Clinical Journal of Sport Medicine*. 32, 5, p. 523-530

**Revision risk of total hip arthroplasty with vitamin E doped liners: Results from The Danish Hip Arthroplasty Register**

Kjærgaard, K., Varnum, C., Ding, M. & Overgaard, S., Jun 2022, In: *Journal of Arthroplasty*. 37, 6, p. 1136-1142

**Sports Participation and Performance 5 Years After Arthroscopic Partial Meniscectomy: A Retrospective Cohort Study of 288 Patients**

Giladi, J. O., Holsgaard-Larsen, A., Varnum, C. & Thorlund, J. B., 20. Apr 2022, In: *Journal of Orthopaedic and Sports Physical Therapy*. 52, 4, p. 224-232

**The association between socioeconomic status and the 30- and 90-day risk of infection after total hip arthroplasty: a registry-based cohort study of 103,901 patients with osteoarthritis**

Edwards, N. M., Varnum, C., Nelissen, R. G. H. H., Overgaard, S. & Pedersen, A. B., 1. Feb 2022, In: *The Bone & Joint Journal*. 104-B, 2, p. 221-226

**High-dose steroids in high pain responders undergoing total knee arthroplasty: a randomised double-blind trial**

Nielsen, N. I., Kehlet, H., Gromov, K., Troelsen, A., Husted, H., Varnum, C., Kjærsgaard-Andersen, P., Rasmussen, L. E., Pleckaitiene, L. & Foss, N. B., Jan 2022, In: *British Journal of Anaesthesia*. 128, 1, p. 150-158

**Measurement properties of UCLA Activity Scale for hip and knee arthroplasty patients and translation and cultural adaptation into Danish**

Mørup-Petersen, A., Skou, S. T., Holm, C. E., Holm, P. M., Varnum, C., Krogsgaard, M. R., Laursen, M. & Odgaard, A., Dec 2021, In: *Acta Orthopaedica*. 92, 6, p. 681-688

**Evaluation of the Oxford Hip Score: Does it still have content validity? Interviews of total hip arthroplasty patients**

Holmenlund, C., Overgaard, S., Bilberg, R. & Varnum, C., 9. Oct 2021, In: *Health and Quality of Life Outcomes*. 19, 237.

**Impact of socioeconomic status on the 90- and 365-day rate of revision and mortality after primary total hip arthroplasty: a cohort study based on 103,901 patients with osteoarthritis from national databases in Denmark**

Edwards, N. M., Varnum, C., Overgaard, S. & Pedersen, A. B., Oct 2021, In: *Acta Orthopaedica*. 92, 5, p. 581-588

**Importance of patellofemoral and tibiofemoral cartilage lesions on trajectory of self-reported outcomes in patients at high risk of knee OA: 4–6 years follow-up of patients undergoing meniscal surgery**

Macri, E. M., Culvenor, A. G., Englund, M., Pihl, K., Varnum, C., Knudsen, R., Lohmander, L. S. & Thorlund, J. B., Sept 2021, In: *Osteoarthritis and Cartilage*. 29, 9, p. 1291-1295

**The effect of pre-analytical handling on the stability of fractalkine, monocyte chemoattractant protein 1 (MCP1), interleukin 6 and interleukin 8 in samples of human cerebrospinal fluid**

Mortensen, W. C. P., Bendix, L., Jensen, H. I., Varnum, C., Rasmussen, L. E., Lauridsen, J. T., Borbye-Lorenzen, N., Skogstrand, K., Toft, P., Vaegter, H. B. & Blichfeldt-Eckhardt, M. R., Jul 2021, In: *Journal of Immunological Methods*. 494, 113057.

**Risk factors for new chronic opioid use after hip fracture surgery: A Danish nationwide cohort study from 2005 to 2016 using the Danish multidisciplinary hip fracture registry**

Edwards, N. M. K., Varnum, C., Overgaard, S., Nikolajsen, L., Christiansen, C. F. & Pedersen, A. B., 8. Mar 2021, In: *BMJ Open*. 11, 3, e039238.

**The impact of socioeconomic status on the utilization of total hip arthroplasty during 1995–2017: 104,055 THA cases and 520,275 population controls from national databases in Denmark**

Edwards, N. M., Varnum, C., Overgaard, S. & Pedersen, A. B., Feb 2021, In: *Acta Orthopaedica*. 92, 1, p. 29-35

**Lukseret dual mobility liner efter hofteleksation**

Graversen, A. E. & Varnum, C., 2021, In: *Ugeskrift for Læger*. 182, 5, V04200258.

**The impact of socioeconomic status on the risk of total hip arthroplasty during 1995 to 2017 in Denmark**

Edwards, N. M., Varnum, C., Overgaard, S. & Pedersen, A. B., 1. Oct 2020, In: *Pharmacoepidemiology and Drug Safety*. 29, Suppl. 3, p. 78 1 p., 10.

**Preoperative high-dose Steroids in Total Knee and Hip Arthroplasty: Protocols for three randomized controlled trials**

Nielsen, N. I., Kehlet, H., Gromov, K., Troelsen, A., Husted, H., Varnum, C., Kjærsgaard-Andersen, P., Rasmussen, L. E., Mandøe, H. & Foss, N. B., Oct 2020, In: *Acta Anaesthesiologica Scandinavica*. 64, 9, p. 1350-1356

**Survival and revision causes of hip resurfacing arthroplasty and the Mitch proximal epiphyseal replacement: results from the Danish Hip Arthroplasty Register**

Tang-Jensen, M., Kjærsgaard-Andersen, P., Poulsen, T. K., Overgaard, S. & Varnum, C., Dec 2019, In: *Acta Orthopaedica*. 90, 6, p. 523-529

**Risk factors for new and persistent chronic opioid use after hip fracture surgery: A Danish nationwide cohort study from 2005 to 2016**

Edwards, N. M., Varnum, C., Overgaard, S., Nikolajsen, L. & Pedersen, A. B., 1. Aug 2019, In: *Pharmacoepidemiology and Drug Safety*. 28, 2, SI, p. 321-322

**Site-specific absence of microfibrillar-associated protein 4 (MFAP4) from the internal elastic membrane of arterioles in the rheumatoid arthritis synovial membrane: an immunohistochemical study in patients with advanced rheumatoid arthritis versus osteoarthritis**

Friesgaard Christensen, A., Sorensen, G. L., Junker, K., Revald, P., Varnum, C., Issa, S. F., Junker, P. & Brandt Sorensen, F., Aug 2019, In: *APMIS*. 127, 8, p. 588-593

**Risk Factors for New and Persistent Chronic Opioid Use After Hip Fracture Surgery: A Danish Nationwide Cohort Study From 2005-2016**

Edwards, N. M., Varnum, C., Overgaard, S., Nikolajsen, L. & Pedersen, A. B., 1. Jul 2019, In: *Osteoporosis International*. 30, Suppl. 2, p. S698 1 p.

**Impact of hip arthroplasty registers on orthopaedic practice and perspectives for the future**

Varnum, C., Pedersen, A. B., Rolfson, O., Rogmark, C., Furnes, O., Hallan, G., Mäkelä, K., de Steiger, R., Porter, M. & Overgaard, S., 1. Jun 2019, In: *EFORT Open Reviews*. 4, 6, p. 368-376

**The what, when and how of orthopaedic registers: An introduction into register-based research**

Varnum, C., Pedersen, A. B., Gundtoft, P. H. & Overgaard, S., 1. Jun 2019, In: *EFORT Open Reviews*. 4, 6, p. 337-343

**Corrigendum to 'Modular Neck vs Nonmodular Femoral Stems in Total Hip Arthroplasty – Clinical Outcome, Metal Ion Levels, and Radiologic Findings' [Journal of Arthroplasty 32 (2017) 2774-2778](S0883540317303091)(10.1016/j.arth.2017.03.072)**

Mikkelsen, R. T., Fløjstrup, M., Klem, N., Tellefsen, R. A., Lund, C., Kjærsgaard-Andersen, P., Skjødt, T. & Varnum, C., 1. Jul 2018, In: *Journal of Arthroplasty*. 33, 7, p. 2338 1 p.

**Revision risk of total hip arthroplasty with the new Echo Bi-metric stem compared to the preceding Bi-metric stem - Results from the Danish Hip Arthroplasty Register**

Varnum, C., Rasmussen, L. E., Gundtoft, P. H. & Kjærsgaard-Andersen, P., 31. May 2018.

**Survival and revision causes of hip resurfacing arthroplasty and the Mitch proximal epiphyseal replacement - Results from the Danish Hip Arthroplasty Register**

Tang-Jensen, M., Poulsen, T. K., Overgaard, S., Varnum, C. & Kjærsgaard-Andersen, P., 31. May 2018.

**Time trends in risk of cemented primary total hip arthroplasty- Results from the Danish Hip Arthroplasty Register**

Graversen, A. E., Varnum, C., Pedersen, A. B. & Overgaard, S., 31. May 2018.

**Localization of surfactant protein-D in the rheumatoid synovial membrane**

Christensen, A. F., Sorensen, G. L., Junker, K., Revald, P. H., Varnum, C., Sorensen, F. B. & Junker, P., 2018, In: *APMIS*. 126, 1, p. 9–13

**Up to 10-year follow-up of the Symax stem in THA: a Danish single-centre study**

Edwards, N. M., Varnum, C. & Kjærsgaard-Andersen, P., 2018, In: *Hip International*. 28, 4, p. 375-381

**Modular Neck vs Nonmodular Femoral Stems in Total Hip Arthroplasty-Clinical Outcome, Metal Ion Levels, and Radiologic Findings**

Mikkelsen, R. T., Fløjstrup, M., Lund, C., Kjærsgaard-Andersen, P., Skjødt, T. & Varnum, C., Sept 2017, In: *The Journal of Arthroplasty*. 32, 9, p. 2774-2778

**Increased Mortality After Prosthetic Joint Infection in Primary THA**

Gundtoft, P. H., Pedersen, A. B., Varnum, C. & Overgaard, S., 2017, In: *Clinical Orthopaedics and Related Research*. 475, 11, p. 2623–2631

**Outcomes of different bearings in total hip arthroplasty - implant**

Varnum, C., 2017, Syddansk Universitet. Det Sundhedsvidenskabelige Fakultet.

**Outcomes of different bearings in total hip arthroplasty - implant survival, revision causes, and patient-reported outcome**

Varnum, C., 2017, In: Danish Medical Journal. 64, 3, 21 p., B5350.

**Do different types of bearings and noise from total hip arthroplasty influence hip-related pain, function, and quality of life postoperatively? A cross-sectional study from the Danish Hip Arthroplasty Registry**

Varnum, C., Pedersen, A. B., Kjærsgaard-Andersen, P. & Overgaard, S., 1. Nov 2016, In: Acta Orthopaedica. 87, 6, p. 567-574

**Is patient-reported outcome after total hip arthroplasty influenced by type of bearings? Results from a Danish nationwide registry-based study**

Varnum, C., Pedersen, A. B., Kjærsgaard-Andersen, P. & Overgaard, S., 2016.

**Is the learning curve in cementless unicompartmental knee replacements related to periprosthetic fractures and subsidence?**

Rasmussen, L. E., Jensen, B. G. & Varnum, C., 2016.

**The Danish Hip Arthroplasty Register**

Gundtoft, P. H., Varnum, C., Pedersen, A. B. & Overgaard, S., 2016, In: Clinical Epidemiology. 8, p. 509-514

**The impact of expected length of stay after primary total hip arthroplasty**

Hofbauer, C., Trolborg, C., Jørgensen, C. C. & Varnum, C., 2016.

**Comparison of the risk of revision in cementless total hip arthroplasty with ceramic-on-ceramic and metal-on-polyethylene bearings**

Varnum, C., Pedersen, A., Kjærsgaard-Andersen, P. & Overgaard, S., 1. Aug 2015, In: Acta Orthopaedica. 86, 4, p. 477-484

**Increased risk of revision of cementless stemmed total hip arthroplasty with metal-on-metal bearings: Data from the Nordic Arthroplasty Register Association**

Varnum, C., Pedersen, A., Mäkelä, K., Eskelinen, A., Havelin, L. I., Furnes, O., Kärrholm, J., Garellick, G. & Overgaard, S., 1. Aug 2015, In: Acta Orthopaedica. 86, 4, p. 491-497

**Noises from total hip arthroplasty and patient-reported outcome (PRO)**

Varnum, C., Pedersen, A., Kjærsgaard-Andersen, P. & Overgaard, S., 2015.

**Revision risk of cementless metal-on-metal total hip arthroplasty is influenced by component design**

Varnum, C., Pedersen, A., Keijo, M., Eskelinen, A., Havelin, L. I., Furnes, O., Kärrholm, J., Garellick, G. & Overgaard, S., 2015.

**Risk for revision of cementless stemmed metal-on-metal (MoM) total hip arthroplasty (THA)**

Varnum, C., Pedersen, A. B., Keijo, M., Kärrholm, J., Havelin, L. I. & Overgaard, S., Oct 2013.

**Up to 10-year follow-up of the Oxford medial partial knee arthroplasty - 695 cases from a single institution**

Wagner Kristensen, P., Holm, H. A. & Varnum, C., Oct 2013, In: Journal of Arthroplasty. 28, 9 Suppl, p. 195-198

**Revision risk of total hip arthroplasty with ceramic-on-ceramic bearings**

Varnum, C., Pedersen, A. B., Kjærsgaard-Andersen, P. & Overgaard, S., 26. Oct 2012.

### **Survival of Total Hip Arthroplasty with Ceramic-on-Ceramic Bearings**

Varnum, C., Pedersen, A. B., Kjærsgaard-Andersen, P. & Overgaard, S., 23. May 2012.

### **Survival of Total Hip Arthroplasty with Ceramic-on-Ceramic Bearings**

Varnum, C., Pedersen, A. B., Kjærsgaard-Andersen, P. & Overgaard, S., 5. Feb 2012.

### **Survival of Total Hip Arthroplasty with Ceramic-on-Ceramic Bearings - Results from Danish Hip Arthroplasty Registry**

Varnum, C., Pedersen, A. B., Kjærsgaard-Andersen, P. & Overgaard, S., 26. Oct 2011.

### **Ceramic bearings in total hip arthroplasty: Frequency and type of noises**

Varnum, C., Vester, T., Revald, P. & Kjærsgaard-Andersen, P., 2008.

### **Ceramic-on-ceramic total hip arthroplasty: Frequency and type of noises**

Varnum, C., Vester, T., Revald, P. & Kjærsgaard-Andersen, P., 2008.

### **Ceramic-on-Ceramic total hip arthroplasty: Frequency and type of noises**

Varnum, C., Vester, T., Revald, P. & Kjærsgaard-Andersen, P., 2008.

### **Noises and cup positioning in ceramic-on-ceramic total hip arthroplasty**

Varnum, C., Vester, T., Revald, P. & Kjærsgaard-Andersen, P., 2008.

## **Activities**

### **Gender, age, and diagnosis specific time trends of primary total hip arthroplasty in patients between 20-49 years - A study from the Nordic Arthroplasty Register Association (NARA) database**

Varnum, C. (Lecturer)

25. Oct 2019

### **DOS Kongressen 2019**

Varnum, C. (Chairman)

24. Oct 2019

### **20th EFORT Congress 2019**

Varnum, C. (Chairman)

7. Jun 2019

### **20th EFORT Congress 2019**

Varnum, C. (Chairman)

7. Jun 2019

### **Survival of modular femoral revision stems and causes for second revision - A nation-wide study from the Danish hip arthroplasty register**

Varnum, C. (Lecturer)

7. Jun 2019

### **What do registries show us on trends in frequency and outcome?**

Varnum, C. (Lecturer)

6. Jun 2019

### **Ceramic-On-Ceramic total hip arthroplasty and squeaking - A prospective blinded randomized controlled trial of influence of component design**

Varnum, C. (Lecturer)

5. Jun 2019



**Gender, age, and diagnosis specific time trends of primary total hip arthroplasty in patients between 20-49 years - A study from the Nordic Arthroplasty Registry Association (NARA) Database.**

Varnum, C. (Lecturer)  
5. Jun 2019

**DOS Kongres 2018**

Varnum, C. (Chairman)  
26. Oct 2018

**Hip II**

Varnum, C. (Guest lecturer)  
26. Oct 2018

**Revision risk of total hip arthroplasty with the new Echo Bi-metric stem compared to the preceding Bi-metric stem - Results from the Danish Hip Arthroplasty Register**

Varnum, C. (Lecturer)  
31. May 2018

**Increased mortality following prosthetic joint infection in primary total hip arthroplasty**

Varnum, C. (Lecturer)  
1. Jun 2017

**18th EFORT Congress**

Varnum, C. (Chairman)  
31. May 2017

**Effect of THA bearings and outcome**

Varnum, C. (Lecturer)  
31. May 2017

**Is patient-reported outcome after total hip arthroplasty influenced by type of bearings?**

Varnum, C. (Lecturer)  
1. Jun 2016 → 3. Jun 2016

**Is patient-reported outcome after total hip arthroplasty influenced by type of bearings? Results from a Danish nationwide registry-based study**

Varnum, C. (Lecturer)  
2016 → ...

**Is patient-reported outcome after total hip arthroplasty influenced by type of bearings**

Varnum, C. (Lecturer)  
21. Oct 2015 → 23. Oct 2015

**Revision risk of cementless metal-on-metal total hip arthroplasty is influenced by component design**

Varnum, C. (Lecturer)  
23. May 2015

**Revision risk of cementless metal-on-metal total hip arthroplasty is influenced by component design**

Varnum, C. (Lecturer)  
23. May 2015 → 25. May 2015

**Is patient-reported outcome after total hip arthroplasty influenced by type of bearings?**

Varnum, C. (Lecturer)  
12. May 2015

**Revision Risk of cementless Metal-on-Metal total hip arthroplasty is influenced by component design**

Varnum, C. (Lecturer)

24. Mar 2015 → 28. Mar 2015

**Revision Risk of cementless Metal-on-Metal Total Hip Arthroplasty is Influenced by Component Design**

Varnum, C. (Lecturer)

24. Mar 2015

**Revision risk of cementless metal-on-metal total hip arthroplasty is influenced by component brand**

Varnum, C. (Lecturer)

22. Oct 2014

**Early outcome after total hip arthroplasty with the ABG II Stem: A comparative study of modular and non-modular ABG II Stems**

Varnum, C. (Lecturer)

4. Jun 2014

**Risk for revision of metal-on-metal cementless stemmed total hip arthroplasty - data from the nordic arthroplasty registry association**

Varnum, C. (Lecturer)

4. Jun 2014

**Early outcome after total hip arthroplasty with the ABG II Stem: A comparative study of modular and non-modular ABG II Stems**

Varnum, C. (Lecturer)

Jun 2014

**Risk for revision of metal-on-metal cementless stemmed total hip arthroplasty: Data from the Nordic Arthroplasty Registry Association**

Varnum, C. (Lecturer)

Jun 2014

**Revision risk of total hip arthroplasty with ceramic-on-ceramic bearings**

Varnum, C. (Lecturer)

26. Oct 2012

**Eksaminator ved OSCE-eksamen, Syddansk Universitet**

Varnum, C. (Examiner)

7. Jun 2012

**Survival of Total Hip Arthroplasty with Ceramic-on-Ceramic Bearings: 13th EFORT Congress 2012**

Varnum, C. (Lecturer)

23. May 2012

**Survival of Total Hip Arthroplasty with Ceramic-on-Ceramic Bearings: ORS Annual Meeting 2012, San Francisco, CA, USA.**

Varnum, C. (Lecturer)

5. Feb 2012

**Dansk Ortopædkirurgisk Selskabs Årsmøde 2011**

Varnum, C. (Speaker)

26. Oct 2011

**Censor ved OSCE-eksamen (embedseksamen), Syddansk Universitet**  
Varnum, C. (Censor)  
Jun 2011

**Noises and cup positioning in ceramic-on-ceramic total hip arthroplasty**  
Varnum, C. (Speaker)  
12. Jun 2008

**Ceramic bearings in total hip arthroplasty: Frequency and type of noises**  
Varnum, C. (Speaker)  
29. May 2008

## **Press/Media**

**49-årig læge fra Vejle er udnævnt til professor**  
Varnum, C.  
11/03/2024  
1 Media contribution

**49-årig læge fra Vejle er udnævnt til professor**  
Varnum, C.  
11/03/2024  
1 Media contribution

**49-årig læge fra Vejle er udnævnt til professor**  
Varnum, C.  
11/03/2024  
1 Media contribution

**49-årig læge fra Vejle er udnævnt til professor**  
Varnum, C.  
12/03/2024  
1 Media contribution

**49-årig læge fra Vejle er udnævnt til professor**  
Varnum, C.  
12/03/2024  
1 Media contribution

**49-årig læge fra Vejle er udnævnt til professor**  
Varnum, C.  
12/03/2024  
1 Media contribution

**Ny professor undersøger værdien af robotassisteret kirurgi**  
Varnum, C.  
11/03/2024  
1 Media contribution

**Pris til ph. d.-studerende ved SDU**  
Varnum, C.  
15/07/2014  
1 item of Media coverage

**PRM / SDU-professor i ortopædisk kirurgi på Vejle Sygehus**  
Varnum, C.

08/03/2024  
1 Media contribution

**SDU-professor i ortopædisk kirurgi på Vejle Sygehus**  
Varnum, C.  
08/03/2024  
1 Media contribution

**SDU-professor i ortopædisk kirurgi på Vejle Sygehus**  
Varnum, C.  
08/03/2024  
1 Media contribution

**SDU-professor i ortopædisk kirurgi på Vejle Sygehus**  
Varnum, C.  
08/03/2024  
1 Media contribution

**SDU udnævner ny professor fra Vejle Sygehus**  
Varnum, C.  
11/03/2024  
1 Media contribution