



**Kære Alle**

### **Forskningsstrategi og Patientinddragelse**

Patientinddragelse er de seneste år blevet et mantra i Sundhedsvæsenet og inddrager også forskningen. Der er ingen tvivl om, at patienterne kan give nyttig sparring og information i forbindelse med udførelse af forskning.

Patientinddragelse er ét af de i alt 9 områder, som OUH's nye forskningsstrategi inddrager: Mennesket først – gennem forskning og samarbejde (Forskningsstrategi 3.0 for OUH og Klinisk Institut).

Den har følgende indhold: Patientinddragelse, Infrastruktur, Finansiering, Samarbejde, Øget internationalt samarbejde, Højt specialiserede funktioner, Implementering, Sammenhængende karriereforløb og Nyttiggørelse.

OUH's Forskningsstrategi er ambitiøs og fortsætter den gode retning, som kom med forrige strategi. Vores egen forskningsenhed, DOFE, vil på denne baggrund udarbejde en ny strategi, som vil blive diskuteret i forskningsenheden og relevante udvalg i afdelingen, før den endelige version foreligger, med henblik på at gøre den relevant, og så at den kan få god opbakning.

Strategien skal understøtte muligheden for at udføre forskning i alle sektorer herunder laboratorierne med inddragelse af alle personalegrupper. Det gælder både sekretærer, plejepersonale og læger, der alle er involveret i forskningen, om ikke direkte så indirekte.

Det er vigtigt, at der skabes gode betingelser for, at forskningen kan gennemføres med det formål at konsolidere en række forskningsområder og udvikle nye, således afdelingen styrkes både lokalt men også nationalt og internationalt. Forskningen skal sikre, at de specialiserede funktioner opretholdes, og at nye kan komme til.

### **Plagiering**

I forbindelse med vores forskningstemadag i foråret fortalte Jakob Ousager, Chefkonsulent, ph.d., SDU, omkring plagiering. Man vil på SDU indføre en screening af ph.d.-afhandlinger for plagiering. Plagiering har været diskuteret en del i dagspressen, ikke mindst i forbindelse med at Uddannelses- og forskningsministeren Esben Lunde Larsen har været anklaget. Han er senere frifundet, idet man fandt, at han ikke havde handlet i strid med god videnskabelig praksis.

Plagiat er blandt andet at bruge en andens materiale (bøger, artikler, film, websider, tabeller, figurer etc.) som sit eget - uden at henvise præcist til den oprindelige kilde. Plagiering er bevidst snyd. Plagiering er ingen eksakt størrelse, og der er endnu ikke konsensus om, på hvilket niveau plagiering skal defineres. Problemet kommer, når de automatiske screeningsprogrammer anvendes. F.eks. er et afsnit i en videnskabelig artikel omkring en metodebeskrivelse, som man selv har skrevet og kopieret over i en ny artikel, plagiering?

Plagiering skal forebygges igennem oplysning. Dette gøres ved, at der tales om det, og at man kender til "God videnskabelig Praksis", som er udgivet af Forsknings og Innovationsstyrelsen

<http://ufm.dk/publikationer/2009/filer-2009/historisk-uvvu-vejledninger-gvp-2009.pdf>

**Nye professorer:**

Forskningsenheden har fået 2 nye professor. Se nedenfor.

*Professor MSO (med særlig opgave) og overlæge, dr.med, Hagen Schmal* er ansat pr. 1. oktober 2015. Han er professor inden for traumatologien og kommer fra universitetet i Freiburg, Tyskland. Hagen har allerede sat sit præg på såvel forskningen som på det kliniske.

*Adjungeret professor Tamás Illés*, Brugmann University Hospital, Université Libre de Bruxelles, Belgien, er ryggkirurg og er adjungeret til DOFE med henblik på at understøtte forskningen indenfor ryggkirurgien.

**Publikationer 2015**

2015 er indtil videre det år, hvor forskningsenheden har publiceret flest peer-reviewed artikler nemlig 65, hvilket er meget tilfredsstillende. Der er publikationer inden for alle kliniske sektorer og vores forskningslaboratorier. Se figurer nedenfor.

**Igangsætning af nye projekter**

Før igangsætning af nye projekter skal der udarbejdes en forsøgsprotokol.

Protokollen indeholder alle relevante punkter for det specifikke projekt.

Vejledning findes på hjemmesiden ([www.sdu.dk/ki/orto](http://www.sdu.dk/ki/orto))

[http://www.sdu.dk/om\\_sdu/institutter\\_centre/klinisk\\_institut/forskning/forskningsenheder/ortopaedkirurgi/vejledninger](http://www.sdu.dk/om_sdu/institutter_centre/klinisk_institut/forskning/forskningsenheder/ortopaedkirurgi/vejledninger)

Protokollen sendes til Forskningsudvalget med udfyldelse af skema, der også findes på hjemmesiden.

Såfremt der er spørgsmål til et projekt, står undertegnede altid til rådighed.

Med venlig hilsen  
Søren Overgaard  
Professor, overlæge, dr.med.  
Forskningsleder

**Hvem er forskningsenheden?**

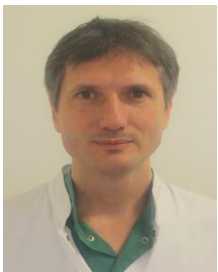
Den Ortopædkirurgiske ForskningsEnhed (DOFE) er en del af Ortopædkirurgisk afdeling, OUH og er samtidig tilknyttet Klinisk Institut under Syddansk Universitet. Alle ansatte (læger, plejepersonale og sekretærer) i Ortopædkirurgisk afdeling er en del af forskningsenheden. Ud over de direkte ansatte i Ortopædkirurgisk afdeling, er der tilknyttet en række lektorer, adjunkter, post.doc., ph.d.-studerende, medicin studerende og andre forskere.

## Ansættelser:



*Adjungeret professor Tamás Illés*, Brugmann University Hospital, Université Libre de Bruxelles, Belgien, er rykirurg og er adjungeret til DOFE med henblik på at understøtte forskningen indenfor rykirurgien

Tamas er en af pionererne inden for EOS-forskning, der er et nyt røntgenapparat, som findes på OUH. Apparaturet kan bl.a. vurdere 3D deformiteter af columna, og Tamás har udviklet metoder netop til dette. Adjungeret professor Tamás Illés har som hovedformål at initiere og deltage i forskningsprojekter under DOFE. Han har allerede publiceret forskningsprojekter udgående fra os og har initieret nye interessante projekter.



*Professor MSO Hagen Schmal* blev ansat som klinisk professor i traumatologi på Ortopædkirurgisk afdeling O i oktober 2015. Størstedelen af Hagen Schmals uddannelse blev taget på University Medical Centre, Freiburg/Tyskland. Hans kliniske erfaring inkluderer kirurgisk fraktur behandling, kirurgi af knæet og brusk regeneration. Hagen Schmals videnskabelige aktivitet er fokuseret på brusk regeneration, posttraumatisk arthritis herunder biomarker-analyser og klinisk pleje- og registerforskning. Han har modtaget økonomisk støtte fra bl.a. Tissue

Engineering Centre-programmet, fra kompetence-netværket biomaterialer Baden Württemberg, fra forskellige fonde i Tyskland, AO Foundation, fra Forsknings- og Innovationsstyrelsen i Tyskland samt fra universitets forskningsfond i Freiburg.

De fremtidige projekter bliver koncentreret på activity trackers, som pålideligt kan overvåge den tidlige postoperative opfølgning af ældre patienter med proximale femurfrakturer. Disse skader er forbundet med en høj dødelighed; objektive værktøjer for at observere rehabiliteringen mangler.

Dette er nødvendigt, idet mentale evner hos disse patienter ofte er begrænset.

Hagen har desuden planlagt projekter, der skal undersøge faktorer med indflydelse på udvikling af artrose efter traume og for at forhindre betændelse i leddet, før en langvarig skade. Et andet projekt omhandler brugen af synoviale stamceller til brusk regeneration. Disse celler synes at være særligt egnede til helbredelse af bruskdefekter på grundlag af deres fænotype.



*Forskningsassistent, fysioterapeut Maria Thorning Christensen* er ansat med 18,5 time pr. uge i Ganganalyselaboratoriet som tilkalddevikar i perioden 01.12.2015 til 28.1.2017.



*Laborant Catherine Samantha Jane Reilly* er ansat i Ortopædkirurgisk Forskningslaboratorium med 15 timer pr. uge i periode 01.10.15 -31.12.16.

## Indsættelsesseminar:



**Professor Tamas Illes**, der er udpeget som adjungerende professor, har afholdt indsættelsesseminar, den 11. december 2015 under emnet "EOS and 3D alignment of the spine", med deltagelse af Professor Jean Dubousset, National Medical Academy, Paris, France ("EOS imaging gives the 3D alignment of the Spine and open on Balance with the study of the 3D motion"), Professor Cody Bünger, Aarhus University Hospital ("3D correction of spinal deformity"). Professor Tamás Illés, Brugmann

University Hospital, Université Libre de Bruxelles, Brussels, talte om "Three-dimensional analysis of spinal deformities. The importance of forgotten horizontal plane appearance".



*Professor Hagen Schmal* afholdt indsættelsesseminar, den 18. april 2016 med følgende program:

"Role for in vitro - models in translational orthopedic research" (Professor Hagen Schmal), "The secrets of motion – investigation of joint kinematics in MRI" (Kaywan Izadpanah, MD, Department of Orthopedic Surgery, University of

Freiburg Medical School, Freiburg, Germany), "The problem of systematics – traumatology in numbers" (associate professor Morten Schultz Larsen), "A look across the beach – reflection of traumatology in graphic arts" (Professor Hagen Schmal).

## Forskningsamarbejde:



Forskningsamarbejde - besøg fra Chinese University Hong Kong Odense Universitetshospital (OUH) og Chinese University of Hong Kong (CUHK) har underskrevet en aftale om etablering et forskningsamarbejde i muskuloskeletal forskning og regenerativ medicin i Odense.

Underskrivere var OUH direktør Kim Brixen og CUHK Professor Kai-ming Chan. Denne aftale vil styrke det internationale samarbejde mellem Ortopædkirurgisk afd. O, OUH og Afdelingen for Ortopædi og

Traumatologi, Medicinsk Fakultet, CUHK, væsentligt.

Der forventes et frugtbart samarbejde gennem dette samarbejdsprogram. Efter underskrivning af aftalen blev der afholdt et symposium omkring Muskuloskeletal regeneration: "Musculoskeletal Regeneration – from cells to pre-clinical to clinical investigations and perspectives", hvor Ming Ding var Co-organisator.

## Bevillinger:

*Professor Ming Ding* modtog fra Region Syddanmarks Forskningspulje kr. 875.000 til projektet: "Is aging-induced porosity of cortical bone only due to Haversian bone remodeling?"

*Professor Uffe Jørgensen* har modtaget kr. 750.000 fra Region Syddanmarks og Region Sjællands Fælles Forskningspulje 2015 til projektet: "Cell Therapy and cartilage regeneration in patients with cartilage injuries".

*Læge, ph.d.-studerende Bo Bregenhof* har modtaget kr. 500.000 fra RSD-ph.d.-pulje til projektet: "Can targeted exercise improve knee function in patients with persisting hamstring deficiency following ACL-reconstruction? – a randomized controlled trial".

*Overlæge Lars Henrik Frich* har fra Forskningsrådet ved Odense Universitetshospital modtaget støtte til projektet "A Neuromuscular Exercise Program for Patients With Anterior Shoulder Instability (SINEX) - a Randomized Controlled Trial" med i alt kr. 89.600.

*Prægraduat forskerstuderende Casper Falster* har fra Gigtforeningen modtaget kr. 50.000 til projektet: "The quality of mesenchymal stem cells in patients with unilateral osteoarthritis of the knee, comparison between the afflicted and healthy knee".

*Casper* har ligeledes modtaget OUH's scholarstipendiat på kr. 60.000 til samme projekt.

*Ph.d.-studerende, fysioterapeut Anders Falk Brekke* har fra Gigtforeningen modtaget en bevilling på kr. 30.000 til projektet: "The relationship Between Anterior Pelvic Tilt and Functional Acetabular Retroversion in Patients with Symp-tomatic Anterior Femoroacetabular Impingement".

*Lektor Anders Holsgaard Larsen* har fra Vanfører fonden modtaget kr. 145.000 kr. til projektet "Monitorering af udviklingen hos gangfunktionen (Spaticitet)".

*Postdoc, MSc., ph.d. Christina Møller Andreasen* har modtaget kr. 200.000 fra Åse og Ejnar Danielsens fond til projektet: "Is aging-induced porosity of cortical bone only due to Haversian bone remodeling?"

## **Afviklede kongresser:**

### **DOS (Dansk Ortopædisk Selskab) København, 21. - 23. oktober 2015**

Der var i alt ca. 190 videnskabelige indlæg på kongressen.

Fra DOFE blev præsenteret 1 professorforedrag, 35 videnskabelige indlæg samt 5 under andre aktiviteter.

### **Professorindlæg:**

**Ding, M:** Imaging bases of bone tissues and biomaterials in bone regeneration.

### **Andre indlæg:**

**Overgaard S:** Udredning af den smertende hofte.

**Overgaard S:** Årsrapport fra Dansk Hoftealloplastik Register.

**Ovesen, O:** PAO/Retroversion/Impingement

**Tromborg H:** Artroskopi af DRUJ

**Werlinrud J:** Ganglion excision

**Videnskabelige indlæg:****Akkawi AI, Joanroy R, Barfod KW, Kallemose T, Kristensen SS, Viberg B.**

The effect of early vs. late weightbearing in conservatively treated acute Achilles tendon rupture: A meta- analysis

**Andreasen CM, Ding M, Andersen TL, Overgaard S.**

Effects of substitute coated with hyaluronic acid or poly-lactic acid on implant fixation in glucocorticoid-treated ovariectomised sheep

**Andreasen CM, Henriksen SS, Ding M, Theilgaard N, Andersen TL, Overgaard S.**

The efficacy of bone substitutes on implant fixation in sheep.

**Arndt KB, Jordy A, Viberg B.**

Does intermittent pneumatic compression affect time to surgery for malleolar fracture patients?

**Axelsen MG, Jespersen SM, Overgaard S, Ding M**

Comparison of synthetic bone graft ABM/P-15 and allograft on uninstrumented posterior lumbar spine fusion in sheep.

**Axelsen MG, Jespersen SM, Overgaard S, Ding M.**

Evaluation of cell binding peptide (P15) in silk fibre enhanced hydroxyapatite bone substitute for posterolateral spinal fusion in sheep.

**Barat AS, Torfing T, Jørgensen U.**

Can MRI predict the tissue quality of a meniscus tear?

**Christensen K, Gromov K, Knudsen L, Brix M, Troelsen A, Nikolajsen L.**

Persistent pain following surgically treated distal radius and malleolar fractures

**Engell V, Pedersen NW, Lundgaard B, Overgaard S.**

Congenital Clubfoot treated by the Ponseti method. Evaluated by the CAP at age 4.

**Grønlund C, Andreasen TS, Husby LH, Larsen MS, Brix M.**

Treatment Of Displaced Femoral Neck Fractures With An Uncemented Hemiarthroplasty (Corail, DePuy). A Series Of 318 Consecutive Fractures, With Focus On Major Complications.

**Gundtoft PH, Brand E, Barfod K.**

Are young orthopedics self-satisfied delusionists?

**Gundtoft PH, Pedersen AB, Schønheyder HC, Overgaard S.**

Validation of the prosthetic joint infection diagnosis in the danish hip arthroplasty register.

**Hansen KK, Rasmussen LE, Skov O, Nielsen F, Stage TB, Jørgensen U.**

Determining the tissue concentration of dicloxacillin using Microdialysis.

**Hansen KL, Werlinrud JC, Larsen S, Lauritzen J.**

Does Xiapex have a roll in the treatment of flexion deformities of the proximal interphalangeal joint of the little finger caused by Dupuytren's disease – Experiences after 1 year follow up of 85 treatments.

**Hatfield DL, Sherif M, Kraglund P, Larsen MS, Brix M.**

Results of tibial nailing with angular stable locking screws (ASLS).

**Horstmann PF, Jørgensen PH, Rædkjær M, Hansen BH, Sørensen MS, Hettwer W, Nymark T, Petersen MM.**

Risk Factors for Local Recurrence after Intralesional Curettage for Giant Cell Tumors of Bone.

**Høj AT, Udby P, Ban I, Frich LH.**

Bone shortening of clavicular fractures: comparison of measurement methods.

**Jakobsen Y, Jørgensen IW, Ding M, Jørgensen U.**

The significance of graft size for graft tunnel healing.

**Jensen PS.**

Reoperation factors in malleolus fracture surgery.

**Kreipke R, Pedersen AB, Rogmark C, Kärrholm J, Havelin LI, Overgaard S.**

Revision risks of dual mobility cups in primary total hip arthroplasty due to osteoarthritis.

**Kruse C, Rosenlund S, Broeng L, Overgaard S.**

Radiographic cup position following posterior and modified direct lateral approach in total hip arthroplasty. An explorative randomized controlled trial with 80 patients.

**Larsen S, Hansen KL, Werlinrud JC, Ipsen T, Lauritsen J.**

Xiapex® (collagenase clostridium histolyticum) – treatment of patients with primary Dupuytren's contracture – 3 years follow-up.

**Lichtenstein MB, Jørgensen U.**

The injured exerciser - in risk of depression?

**Milandt N, Nymark T, Kolmos HJ, Emmeluth C, Overgaard S.**

Iodine impregnated incision drape and bacterial recolonization in simulated total knee arthroplasty. A controlled randomized experimental trial.

**Milandt N, Nymark T, Overgaard S, Kolmos HJ.**

Chemical neutralization of carry-over contaminants in the evaluation of topical antimicrobial effectiveness.

**Penny J, Oversen O, Overgaard S.**

Bone Mineral Density (BMD) around Large Diameter Head, Standard and Resurfacing THA. 5 Year Results.

**Ravn C, Kemp M, Kjærsgaard-Andersen P, Overgaard S.**

Improved diagnostic accuracy of prosthetic joint infection (PJI) by combining culture of sonication fluid and tissue samples from revision total hip (THA) and knee arthroplasty (TKA).

**Ravn C, Odgaard A, Knudsen NB, Toftum J, Frich LH, Overgaard S.**

Laminar airflow reduces microbial air contamination in comparison to turbulent airflow during simulated total hip arthroplasty (THA) 10. How accurate are common biochemical and microbiological tests.

**Ravn C, Kemp M, Kjærsgaard-Andersen P, Overgaard S.**

How accurate are common biochemical and microbiological tests towards a multi-criteria definition of prosthetic joint infection (PJI) for revision total hip (THA) and knee arthroplasty (TKA)?

**Rosenlund S, Broeng L, Jensen C, Holsgaard-Larsen A, Overgaard S.**

Patient reported outcome after primary total hip arthroplasty performed through either posterior approach or modified direct lateral approach. A randomized controlled trial.

**Salomonsen T, Viberg B.**

DVR® Anatomic volar plating system vs. VA2 Variable Angle LCP Two Column Volar Distal Radius Plate. A comparison of two volar locking plates for treatment of distal radius fractures.

**Solheim M, Lauritsen JM, Færgemann C.**

The pattern of bicycle injuries and the use of helmets among children aged 6-14 years 1980-2014.

**Stork-Hansen J, Haidari TA, Knudsen R, Bech RD, Viberg B.**

Reproducibility of malleolar classification systems.

**Varnum C, Pedersen AB, Kjærsgaard-Andersen P, Overgaard S.**

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

**Varnum C, Pedersen AB, Kjærsgaard-Andersen P, Overgaard S.**

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

## Awards:



Professor Uffe Jørgensen har vundet prisen for bedste artikel publiceret i 2014 og 2015 i det europæiske tidsskrift for knækirurgi, sportstraumatologi og artroskopi KSSTA. Det officielle tidsskrift for ESSKA:

”Iliotibial band autograft versus bone-patella-tendon-bone autograft, a possible alternative for ACL reconstruction: a 15-year prospective randomized controlled trial” *Knee Surg Sports Traumatol Arthrosc.* 2014 Sep;22(9):2094-101.



Læge, ph.d.-studerende Anders Høj vandt posterkonkurrencen ved Dansk Ortopædisk Selskabs Kongres, oktober 2015 med posteren: “Bone shortening of clavicular fractures: comparison of measurement methods”.



Kandidatspecialstuderende Christine Kruse vandt YODA’s (Yngre Ortopædkirurger Danmark) ungdomsforskerpris for ”Radiographic cup position following posterior and modified direct lateral approach in total hip arthroplasty. An explorative randomized controlled trial with 80 patients”.



### Projektet OP-Vent blev nomineret til EL-Forsk prisen 2016

Projektet var sammen med to andre nomineret til prisen, men vandt desværre ikke opløbet (<http://www.elforsk.dk>).

Projektdeltagere: Søren Overgaard, Lars Henrik Frich, Christen Ravn, Martin Olsen, Poul Ertzinger, Niels Bastholm Knudsen, Johnny Nielsen, Anders Overgaard.

Projektet undersøger, hvorvidt brugen af laminar indblæsning (laminar air flow, LAF) på operationsstuer nedsætter infektionsrisikoen i forhold til konventionel ventilation (turbulent air flow, TAF), og hvilke

muligheder der foreligger for energioptimering. Projektet er særdeles relevant for planlægning af operationsstuer på de nye sygehuse. Der kan læse om projektet her



<http://www.elforsk.dk/ELFORSK/Projekter/ProjectSearch/ProjektInfo.aspx?proji=345-019>

Der blev uddelt diplomer for nomineringen, og Hans Kongelige Højhed Kronprinsen Frederik besøgte projekts stand og udviste stor interesse.

### **Ph.d.-forsvar:**

*Cand.scient. Christina Møller Andreasen* forsvarede, den 8. Juli 2015 sit ph.d.-studie: "Cellular responds of glucocorticoid steroid induced osteoporosis in sheep and assessment of bone implant fixation".

Vejledere: Søren Overgaard, Ming Ding og Thomas Levin Andersen.

*Overlæge Vilhelm Engell* forsvarede den 1. oktober 2015 sit ph.d.-studie: "The relationship Between Anterior Pelvic Tilt and Functional Acetabular Retroversion in Patients with Symptomatic Anterior Femoroacetabular Impingement".

Vejledere: Søren Overgaard, Niels Wisbech Pedersen og Kirsten Ohm Kyvik.

*Læge Benjamin Schnack Rasmussen* forsvarede den 28. oktober 2015 sit ph.d.-studie: "A telemedical approach to patients with diabetes".

Vejledere: Knud Bonnet Yderstræde og Johnny Frøkjær.

*Læge Thomas Deleuran* forsvarede den 5. februar 2016 sit ph.d.-studie: "Cirrose og elektiv hofte- og knæalloplastik – risikofaktorer for komplikationer og mortalitet".

Vejledere: Peter Jepsen, Søren Overgaard og Hendrik Vilstrup.

*Læge Claus Varnum* forsvarede den 4. maj 2016 sit ph.d.-studie: "Ceramic-on-Ceramic Bearings in Total Hip Arthroplasty. Revision Causes, Quality of Life and Frequency of Noises".

Vejledere: Søren Overgaard, Per Kjærsgaard-Andersen og Alma B. Pedersen

*Læge Signe Rosenlund* forsvarede den 26. maj 2016 sit ph.d.-studie: "The effect of surgical approach on patient-reported outcome measures, gait and hip muscle strength and in patients with hip osteoarthritis, undergoing total hip arthroplasty. A comparison of the posterior approach and the lateral approach - COMPALA".

Vejledere: Søren Overgaard, Anders Holsgaard Larsen, Carsten Jensen og Leif Broeng.

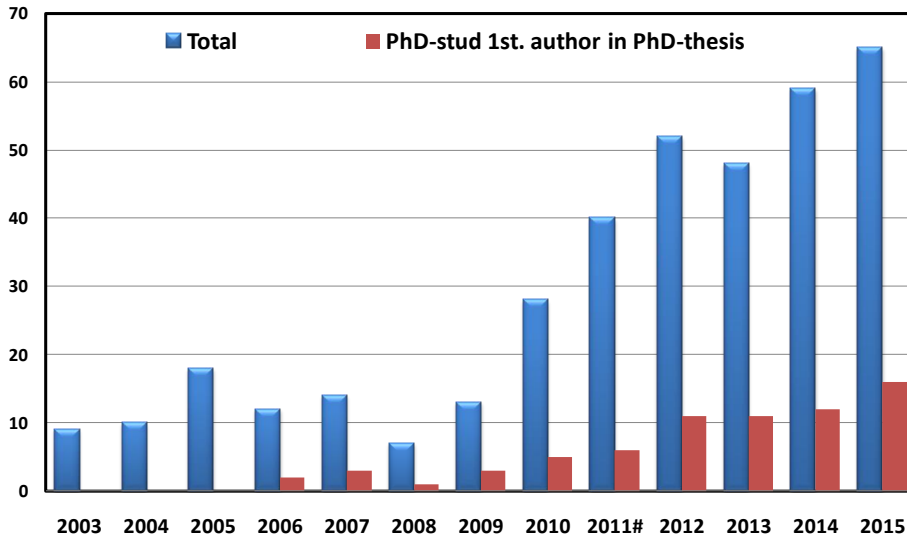
### **Eksamen:**

*Prægraduat forskerstuderende Nikolaj Milandt* har i september 2015 forsvaret sit studie: "Iodine impregnated incision drape and bacterial recolonization in simulated total knee arthroplasty. A controlled randomized experimental trial".

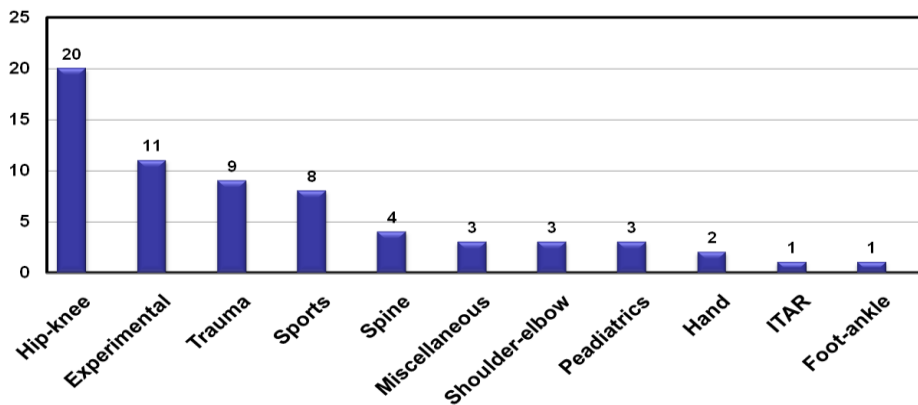
Vejledere: Søren Overgaard, Hans Jørn Kolmos og Tine Nymark.

Publikationer 2015:

Peer-reviewed papers from DOFE 2003-2015



Number peer-reviewed papers per specialty from DOFE 2015



**Andreasen CM, Ding M, Overgaard S, Bollen P, Andersen TL**

A reversal phase arrest uncoupling the bone formation and resorption contributes to the bone loss in glucocorticoid treated ovariectomised aged sheep. *Bone*. 2015 Jun;75:32-9.

**Ayeni OR, Simunovic N, Crouch S, Grassby MH, Hoyeck P, Islam Z, Wood G, Jørgensen U, Seppänen M, Junnila M, Virolainen P, Routapohja M, Sihvonen R, Raivio M, Toivonen P, Joukainen A, Kääriäinen T, Jalava E, Järvinen T. (FIRST investigators)**

A multi-centre randomized controlled trial comparing arthroscopic osteochondroplasty and lavage with arthroscopic lavage alone on patient important outcomes and quality of life in the treatment of young adult (18-50) femoroacetabular impingement. *BMC Musculoskelet Disord*. 2015 Mar 20;16:64.

**Bech RD, Lauritsen J, Ovesen O, Overgaard S.**

The Verbal Rating Scale Is Reliable for Assessment of Postoperative Pain in Hip Fracture Patients. *Pain Res Treat*. 2015;2015:676212. doi: 10.1155/2015/676212. Epub 2015 May 20.

**Birkeland P, Lauritsen J, Poulsen FR.**

Aspirin is associated with an increased risk of subdural hematoma in normal-pressure hydrocephalus patients following shunt implantation. *J Neurosurg*. 2015 Aug;123(2):423-6.

**Canham S, Clivio L, Cornu C, Crocombe W, De Bremaeker N, Domingues C, Faherty M, Gueyffier F, Lauritsen J, Nicolis EB, Ohmann C, Palmer G, Pêgo JM, Pham C, Ruckes C, Wittenberg M.**

Requirements for Certification of ECRIN Data Centres with Explanation and Elaboration of Standards Version 3.0. European Clinical Research Infrastructure Network 2015. DOI: 10.5281/zenodo.32690

**Chan KM, Rolf CG, Qin L, Felländer-Tsai L, Castelein RM, Saris DBF, Malda J, Richards G, Goodman SB, Tuan RS, Maloney W, Lidgren L, Hopkins C, Fu SC, Li G, Ding M, Tang TT, Zhang XL, Wei L, Sun HB, Ouyang HW.**

Musculoskeletal regeneration research network: A global initiative. *J Orthop Trans* 2015, 3; 160-165.

**Christensen M, Troelsen A, Kold S, Brix m, Ban L.**

Treatment of distal radius fractures in the elderly. *Ugeskr Laeger*. 2015 Aug 17;177(34).

**Christensen R, Henriksen M, Leeds AR, Gudbergesen H, Christensen P, Sørensen TJ, Bartels EM, Riecke BF, Aaboe J, Frederiksen R, Boesen M, Lohmander LS, Astrup A, Bliddal H.**

The effect of weight maintenance on symptoms of knee osteoarthritis in obese patients: 12 month randomised controlled trial. *Arthritis Care Res* 2015;67:640-50.

**Christiansen DH, Falla D, Frost P, Frich LH, Svendsen SW.**

Physiotherapy after subacromial decompression surgery: development of a standardised exercise intervention. *Physiotherapy*. 2015 Dec;101(4):327-39.

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