Curriculum Vitae Inger Mechlenburg

dr.med., ph.d.

## Personlige data

Fødselsdato 09-01-71

Adresse Ortopædkirurgisk afdeling, Palle Juul-Jensens Boulevard 99, 8200 Aarhus N

e-mail inger.mechlenburg@clin.au.dk

Tlf +45 2167 9062

**Uddannelse**

2016 Dr.med. ved Aarhus Universitet

2004-2007 Ph.d. ved Aarhus Universitet

1999-2002 Sundhedsfaglig Kandidatuddannelse ved Aarhus Universitet

2000-2001 Barselsorlov

1998-99 Suppleringsuddannelse i Tværvidenskabelig Sundhedsforskning ved Syddansk Universitet

1997 Klinisk ophold på Health Sciences Centre, Winnipeg, Manitoba, Canada

1997 Klinisk ophold på TRS kompetansesenter for sjeldne diagnoser, Sunnaas sykehus, Nesodden, Norge

1995-98 Fysioterapeutuddannelsen ved VIA Holstebro

1993-95 Studies in Health, Sociology and Psychology, Deakin University, Victoria, Australia

**Ansættelser**

2017- Professor i Ortopædisk rehabilitering ved Aarhus Universitetshospital og Aarhus Universitet

2011-17 Klinisk lektor ved den Sundhedsfaglige Kandidatuddannelse, Inst. for Folkesundhed, Aarhus universitet

2010-17 Lektor ved Ortopædkirurgisk Forskning, Institut for Klinisk Medicin, Aarhus Universitet

2010-17 Seniorforsker Ortopædkirurgisk Forskning, Århus Sygehus

2009-11 Ekstern lektor ved den Sundhedsfaglige Kandidatuddannelse, Aarhus Universitet

2008-10 Post.doc. Klinisk Institut, Aarhus Universitet

2007-08 Barselsorlov

2007-08 Post.doc. Klinisk Institut, Aarhus Universitet

2006-10 Ekstern underviser ved UCL-Lillebælt, Odense

2004-05 Barselsorlov

2004-07 Forskningsassistent i Ortopædkirurgisk Forskning, Århus Sygehus

2003-04 Forskningsassistent på Ortopædkirurgisk afd. E, Århus Sygehus

2002-03 Barselsorlov

**Bibliography**

Peer-reviewed papers: 101 (første forfatter: 22, sidste forfatter: 36)

Submitted papers: 8 (første forfatter: 1, sidste forfatter: 2)

Google Scholar: Total number of citations 950; h-index = 18; i10-index = 28

Web of Science: Total number of citations 559; h-index = 14

**Vejleder funktion**

***Bachelor projekter*** *(University College):*

18 Bachelor-projekter på UCL-Lillebælt, Odense

fra 2005-2009

4 Bachelor-projekter på VIA University College,

Aarhus fra 2010-

31 Diplomopgaver på UCL-Lillebælt, Odense fra

2005-2009

***Diplom projekter*** *(research year):*

**Completed**

1. Mette Holm Hjorth 2013
2. Søren Reinhold Jakobsen 2017

***Speciale projekter*** *(Health Science):* **Completed**

1. Anette Liljensøe 2010
2. Kim Gordon Ingwersen 2011
3. Søren Bie Bogh 2012
4. Peter Bo Jørgensen 2012
5. Julie Sandell Jakobsen 2012
6. Sara Birch 2013
7. Michael Ratleff 2013
8. Jakob Rasmussen 2014
9. Kasper Stentz-Olesen 2014
10. Ida Birn 2014
11. Louise Nymann Pedersen 2014
12. Signe Kierkegaard 2014
13. Lotte Sørensen 2015
14. Ninna Rysholt Poulsen 2015
15. Helle Østergaard 2016
16. Marianne Tjur 2016

1. Merete Madsen 2016
2. Maria Biehl Gustafson 2016
3. Rima El-Jashi 2016
4. Thomas Kristian Hansen 2016
5. Ida Birgitte Bramming 2016
6. Jeppe Østergaard Schultz 2016
7. Anton Hohwü Elsner 2016
8. Louise Mortensen 2017
9. Pernille Simonsen 2017
10. Rikke Daugaard 2017
11. Christina Caspersen 2018
12. Ditte Unbehaun 2018
13. Sigrid Rasmussen 2018
14. Lisa Reimer 2018
15. Julie Boje 2018
16. Louise Baad Jensen 2018
17. Troels Kjeldsen 2019
18. Josefine Beck Larsen 2019
19. Jonas Kristensen 2019
20. Christina Bræmer 2019
21. Sarah Ankjær Langberg 2019
22. Anne Thomasen in progress
23. Helene Honoré In progress
24. Malene Østergaard In progress
25. Christina Bach Sandholm In progress
26. Janne Hastrup In progress
27. Naaja Petersson In progress

***Ph.d. projekter****:* **Completed**

1. Anette Liljensøe 2014
2. Lone Ramer Mikkelsen 2014
3. Birgit Skoffer 2015
4. Sepp de Raedt 2016
5. Mette Holm Hjorth 2018
6. Signe Kierkegaard (main) 2018
7. Sara Birch in progress
8. Peter Bo Jørgensen in progress
9. Julie Sandell Jakobsen (main) in progress

11. Helle Østergaard (main) in progress

12. Thomas Frydendal in progress

13. Helene Honoré in progress

14. Kaj Døssing in progress

15. Michael O'Brien in progress

16. Lisa Reimer (main) in progress

17. Stian Jørgensen (main) in progress

18. Troels Kjeldsen (main) pre PhD student

19. Josefine Beck Larsen (main) pre PhD student

### Organisatorisk arbejde

2020 Arbejdsgruppe ved Sundhedsstyrelsen vedr. opdateringen af Nationale Kliniske Retningslinjer for Hofteartrose - konservativ behandling og genoptræning ved THA

2019 Medlem af Forskningsrådet på Aarhus Universitetshospital

2019 Arbejdsgruppe udpeget af Dansk Selskab for Fysioterapi vedr. udarbejdelsen af kort klinisk retningslinje for behandling af bakteriel knæartrit

2018 Arbejdsgruppe nedsat af Danske Fysioterapeuter om akademikeres ønsker i forhold til uddannelse og karriererådgivning

2018 Medlem af styregruppen i Forskningscenter for ledbevarende hoftekirurgi, Regionshospitalet Horsens

2018 Vært for en ph.d. fellow Frederik Möse, 6 mdr ophold på Aarhus Universitetshospital

2018 Kursusleder for ph.d. kursus i systematisk review og meta-analyse, Aarhus Universitet

2018 Vært for en ph.d. fellow Bakir Sumrein, 3 mdr ophold på Aarhus Universitetshospital og Regionshospitalet Viborg

2017 Vært for en ph.d. fellow Maik Sliepen, < 1 md ophold på Aarhus Universitetshospital

2017 Kursusleder for ph.d. kursus i systematisk review og meta-analyse, Aarhus Universitet

2017 Vært for en ph.d. fellow Suat Ulutaş, 1 md ophold på Aarhus Universitetshospital

2016 Kursusleder for ph.d. kursus i systematisk review og meta-analyse, Aarhus Universitet

2015 Arbejdsgruppe ved Sundhedsstyrelsen vedr. udarbejdelsen af Nationale Kliniske Retningslinjer for Hofteartrose - konservativ behandling og genoptræning ved THA

2015 Kursusleder for ph.d. kursus i systematisk review og meta-analyse, Aarhus Universitet

2014 Censor ved Censorkorpset for Folkesundhedsvidenskabelige og relaterede uddannelser

2014 Kursusleder for ph.d. kursus i systematisk review og meta-analyse, Aarhus Universitet

2013 Medarrangør af FP11’s First Annual Meeting, Aarhus Universitet

2011 Kursusleder for ph.d. kursus i ”rehabilitering”, Aarhus Universitet

2011 Kursusleder for ph.d. kursus i ”billeddannende metoder og strålebelastning ved undersøgelse af bevægeapparatet”, Aarhus Universitet

2011- Medlem af aftagerpanel for uddannelserne: Den Sundhedsfaglige Kandidatuddannelse, Kandidatuddannelsen i Sygepleje, Masteruddannelsen i Klinisk Sygepleje

2010- Medlem af styregruppen for Forskeruddannelsesprogrammet FP11: Tand,- knogle- og ledsygdomme

2010- Arrangør af månedlige temadage med journalclub og undervisning af ph.d. stud. og post.doc.

2012 Medlem af referencegruppe for Godt Liv med Artrose i Danmark GLA:D

2009- Medlem af censorkorpset i Folkesundhedsvidenskab, Master of Public Health og IT og Sundhed

2006- Medlem af Professionshøjskolernes censorkorps

**Reviewer: Editorial review Board Member eller ad hoc reviewer**

The Journal of Orthopaedic Research (Editorial review Board Member)

Rheumatology: Current Research (Editorial review Board Member)

Bone & Joint Journal

International Orthopaedics

Osteoarthritis and Cartilage

Saudi Medical Journal

International Journal of Computer Assisted Radiology and Surgery

Journal of Bone and Joint Surgery

Acta Ortopaedica

Medical Science Monitor

Orthopedic Research and Reviews

Ugeskrift for Læger

Bone & Joint Research

Bedømmer til ansøgning til Arthritis Research, UK

Bedømmer til fondsansøgninger til Region Syddanmarks forskningspulje

Bedømmer til fondsansøgning til The Netherlands Organisation for Health Research and Development (ZonMw)

Bedømmer ved fondsansøgninger til Horizon 2020 PERSONALISING HEALTH AND CARE

### Medlem af bedømmelsesudvalg

Professorat: 1 (Københavns Universitet)

Lektorater: 3 (Syddansk Universitet)

### Adjunkturer: 3 (Syddansk Universitet)

Ph.d. ansøgninger: 8 (Aarhus Universitet)

Post.doc: 1 (Aarhus Universitet)

Ph.d. forsvar: 2 (Syddansk Universitet, Aarhus Universitet)

### Bestyrelser

2014- Bestyrelsen for LAG SØM. LAG er finansieret med midler fra EU og Erhvervs- og Vækstministeriet

2012- Bestyrelsen for Frørup Landsbyråd

2000 Studenternæstformand i Studienævnet ved Sundhedsfaglig Kandidatuddannelse, Aarhus Universitet

1997-98 Studenterrepræsentant i Ringkøbing Amtskreds for Danske Fysioterapeuter

### Priser

2020 Hovedvejleder for ph.d. studerende, som vandt Fogh-Nielsen Prisen, Aarhus Universitet

2019 Tildelt Aarhus Universitets Forskningsfonds Mobilitetsstipendium til ophold på Kings College, London

2018 Tildelt legatophold i Møllehuset ved Sandbjerg Gods

2017 Tildelt skriveophold på Jeckels Gl. Skagen

2017 Tildelt skriveophold i Desirée og Niels Ydes Fonds gæstelejlighed, Golfe Juan i Frankrig

2016 Tildelt skriveophold i Artur Lundkvist och Maria Wines Stiftelses legatbolig, Sverige

2015 Tildelt skriveophold i Statens Legatbolig i Paris, Frankrig

2015 Vejleder for projekt, der vandt pris for bedste poster ved PhD Day, Aarhus Universitet

2014 Vejleder for projekt, der vandt pris for bedste poster ved European Federation of National Associations of Orthopaedics and Traumatology (EFORT), London

2013 Vejleder for projekt, der vandt Young Investigators Award ved Combined Meeting of Orthopaedic Research Societies (CORS), Venedig

2013 Vejleder for projekt, der vandt pris for bedste poster ved Dansk Ortopædisk Selskabs Kongres, Kbh

2013 Vejleder for projekt, der vandt YODA's Ungdomsforskerpris ved Dansk Ortopædisk Selskabs Kongres

2013 Vejleder for projekt, der vandt pris for bedste poster ved ph.d. dag Aarhus Universitet

2013 Tildelt skriveophold i Det Danske Kulturinstituts legatbolig i Skt. Petersborg, Rusland

2012 Tildelt skriveophold i Desirée og Niels Ydes Fonds gæstelejlighed, Golfe Juan i Frankrig

2011 Vandt prisen for bedste poster ved Dansk Ortopædisk Selskabs møde, Kbh

2011 Tildelt stipendium til skriveophold på Løgumkloster Refugium

2011 Vejleder for projekt, der vandt pris for bedste poster ved ph.d dag Aarhus Universitet

2009 Tildelt stipendium til skriveophold på klostret San Cataldo, Italien

2008 Vandt prisen for bedste poster ved Dansk Ortopædisk Selskabs møde, Kbh

2007 Vandt pris for mundtlig præsentation ved Forskningens Dag, Århus Universitetshospital

2007 Vejleder for projekt, der vandt ”De Studerendes Pris” på 25.000 kr.

### Fundraising

2019 Deltager i ansøgning til Innovationsfonden

2018 Deltager i ansøgning til Innovationsfonden

2018 Deltaget i EU ansøgning H2020-JTI-IMI2-2017-13-two-stage

2016 Deltaget i EU ansøgning H2020-SC1-2017-Two-Stage-RTD

2013 Deltaget i EU ansøgning 7th Framework Programme for Research

2006- Fundraiser for forskergruppen ved større fondsansøgninger

2003- Fundraised i alt 7.249.130 kr. til egne kliniske studier og løn og 1.250.000 kr til forskergruppen

**Mundtlige præsentationer**

Dansk Ortopædisk Kongres, 2019

ISHA Annual Scientific Meeting, Madrid 2019

20th EFORT Congress, Lisbon 2019

World Federation for Physical Therapy Congress, Geneva 2019

Nordic Orthopaedic Federation 59th Congress, Reykjavik 2018

19th EFORT Congress, Barcelona 2018

Dansk Ortopædisk Kongres, Kbh 2017

European Orthopaedic Research Society 25th Annual Meeting, Munich 2017

Svensk Ortopedisk Forenings årsmøde, Visby 2016

Deutscher Kongress für Orthopäedie und Unfallchirurgie DKOU, Berlin 2015

Dansk Ortopædisk Selskabs Kongres, Kbh 2015

Inviteret foredragsholder til seminar om fysisk aktivitet, Aarhus Universitet, 2015

9th World Congress of the International Society of Physical and Rehabilitation Medicine, Berlin 2015

16 th EFORT Congress, Prague 2015

Amputationskonference, Hvidovre Hospital, 2013

8th Combined Meeting of the Orthopaedic Research Societies, Venice 2013

3rd International RSA Meeting, Lund, 2013

Inviteret foredragsholder til seminar ved 13th EFORT Congress i Berlin

13th EFORT Congress, Berlin 2012

Dansk Ortopædisk Selskabs møde, Kbh 2011

European Orthopaedic Research Society 19th Annual Meeting, Vienna 2011

Dansk Ortopædisk Selskabs møde, Kbh 2010

7th Combined Meeting of the Orthopaedic Research Societies, Kyoto 2010

Nordic Orthopaedic Federation 55th Congress, Aarhus 2010

8th World Congress of the international Cartilage Society, Miami, 2009

Dansk Ortopædisk Selskabs møde, Kbh 2008

Nordic Orthopaedic Federation 54th Congress, Amsterdam 2008

Forskningens Dag, Århus Universitetshospital, 2007

8th EFORT Congress, Firenze 2007

Forskningens Dag, Århus Universitetshospital, 2006

Dansk Ortopædisk Selskabs møde, Odense 2006

Nordic Orthopaedic Federation 53rd Congress, Oslo 2006

Dansk Ortopædisk Selskabs møde, Kbh 2005

Dansk Ortopædisk Selskabs møde, Århus 2004

Danske Fysioterapeuters Fagfestival, Odense 2003

Dansk Ortopædisk Selskabs møde, Kbh 2001

**Poster præsentationer**

Dansk Ortopædisk Kongres, 2019

ISHA Annual Scientific Meeting, Madrid 2019

20th EFORT Congress, Lisbon 2019

Nordic Orthopaedic Federation 59th Congress, Reykjavik 2018

Dansk Ortopædisk Kongres, Kbh 2017

European Orthopaedic Research Society 25th Annual Meeting, Munich 2017

Dansk Ortopædisk Kongres, Kbh 2016

Dansk Ortopædisk Kongres, Kbh 2015

9th World Congress of the International Society of Physical and Rehabilitation Medicine, Berlin 2015

57th Nordic Orthopaedic Federation Congress, Helsinki 2014

8th Combined Meeting of the Orthopaedic Research Societies, Venedig 2013

14th EFORT Congress, Istanbul, 2013

3rd International RSA Meeting, Lund, 2013

Dansk Ortopædisk Selskabs møde, Kbh 2012

Dansk Ortopædisk Selskabs møde, Kbh 2011

OARSI World Congress on Osteoarthritis, San Diego 2011

European Orthopaedic Research Society 19th Annual Meeting, Wien 2011

OARSI World Congress on Osteoarthritis, Bruxelles 2010

11th EFORT Congress, Madrid 2010

Forskningens Dag, Århus Universitetshospital, 2009

10th EFORT Congress, Wien 2009

Danske Fysioterapeuters Fagfestival, Odense 2009

Dansk Ortopædisk Selskabs møde, Kbh 2008

Nordic Orthopaedic Federation 54th Congress, Amsterdam 2008

9th EFORT Congress, Nice 2008

Dansk Ortopædisk Selskabs møde, Kbh 2007

PhD day, Aarhus Universitet 2007

European Orthopaedic Research Society 16th Annual Meeting, Bologna 2006

Danske Fysioterapeuters Fagfestival, Odense 2006

PhD day, Aarhus Universitet 2006

Biomechanics of the Lower Limb, Manchester 2005

Dansk Ortopædisk Selskabs møde, Aalborg 2005

### Kurser

Knoglebiologi, Stereologi, Magnetisk Resonans, Roentgen Stereophotogrammetric Analysis Instructional

Course, Forskningsmetoder indenfor Sundhedsvidenskab, Biostatistik, Anvendt biostatistik, Windows og god

datahygiejne, Excel i biomedicinsk forskning, Grafisk fremstilling af kvantitative videnskabelige data,

Forskningsdata med Powerpoint, Praktisk grundkursus i mundtlig videnskabsformidling, Biostatistik –

Introduktion til brug af STATA, Medicinsk etik og Videnskabsteori, Kursus i Litteratursøgning og Reference

Manager, Efteruddannelseskursus for læger i Grundlæggende og avanceret CT teknik og anatomi, Engelsk

Sundhedsvidenskabelig Tekstproduktion, Pressekursus, Visuel kommunikation og præsentationsteknik, Leder uden

Kasket, workshop i Fundraising, Temadag om den radiologiske udredning af patienter med metal-metal alloplastik,

Kursus i supervision af ph.d. studerende, GRADE guidelines (system for rating quality of evidence), on-line kursus “Introduction to Teaching and Learning (InTeL)”, AU lederudviklingsforløb.

**Publikationer**

**1) Mechlenburg I**, Nyengaard JR, Romer L, Soballe K. Changes in loadbearing area after Ganz periacetabular osteotomy evaluated by multislice CT scanning and stereology. Acta Orthop Scand. 2004 Apr;75(2):147-53.

**2) Mechlenburg I**, Nyengaard JR, Romer L, Soballe K. Changes in loadbearing area after Ganz periacetabular osteotomy. Acta Orthop. 2005 Feb;76(1):141; author reply 141-2.

**3) Mechlenburg I**, Nyengaard JR, Romer L, Soballe K. Prospective bone density changes after periacetabular osteotomy: a methodological study. Int Orthop. 2005 Oct;29(5):281-6.

**4) Mechlenburg I**, Nyengaard JR, Gelineck J, Soballe K. Cartilage thickness in the hip joint measured by MRI and stereology – a comparative study of three different methods. Osteoarthritis Cartilage. 2007 Apr;15(4):366-71.

**5) Mechlenburg I**, Kold S, Romer L, Soballe K. Safe fixation with two acetabular screws after Ganz periacetabular osteotomy. Acta Orthop. 2007 Jun;78(3):344-9.

**6) Mechlenburg I.** Evaluation of Bernese periacetabular osteotomy - Prospective studies examining projected load-bearing area, bone density, cartilage thickness and migration. Acta Orthop Suppl. 2008 Jun:79(329):4-43.

**7) Mechlenburg I**, Daugaard H, Søballe K. Radiation exposure to the orthopaedic surgeon during periacetabular osteotomy. Int Orthop 2009 33(6):1747-51.

**8)** Thorup B, **Mechlenburg I**, Søballe K. Total hip replacement in the congenitally dislocated hip using the Paavilainen technique. Acta Orthop. 2009 Jun;80(3):259-62.

**9)** Troelsen A, **Mechlenburg I**, Gelineck J, Bolvig L, Jacobsen S, Søballe K. What is the role of clinical tests and ultrasound in acetabular labral tear diagnostics? Acta Orthop. 2009 Jun;80(3):314-8.

**10) Mechlenburg I**, Kold S, Soballe K. No change detected by DEXA in Bone Mineral Density after Periacetabular Osteotomy. Acta Orthop Belg. 2009 Dec;75(6):761-6.

**11) Mechlenburg I**, Nyengaard JR, Gelineck J, Søballe S, Troelsen A. Cartilage thickness in the hip joint measured by MRI and stereology before and after periacetabular osteotomy. Clin Orthop Relat Res. 2010 Jul;468(7):1884-90.

**12) Mechlenburg I**, de Raedt S, Nyengaard JR, Gelineck J, Søballe K. Cyst volume in the acetabulum and femoral head decrease after periacetabular osteotomy. Hip Int. 2012 May-Jun;22(3):313-8.

**13)** Stilling M, **Mechlenburg I**, Amstrup A, Søballe K, Klebe T. Precision of novel radiological methods in relation to resurfacing humeral head implants: assessment by radiostereometric analysis, DXA, and geometrical analysis. Arch Orthop Trauma Surg. 2012 Nov;132(11):1521-30.

**14) Mechlenburg I**, Hermansen F, Thillemann T, Søballe K. Blood Perfusion and Bone Formation before and after minimally invasive periacetabular osteotomy analysed by PET combined with CT. Int Orthop. 2013 May;37(5):789-94.

**15) Mechlenburg I,** Amstrup A, Klebe T, Jacobsen SS, Teichert G, Stilling M. The Copeland resurfacing humeral head implant does not restore humeral head anatomy. A retrospective study. Arch Orthop Trauma Surg. 2013 May;133(5):615-9.

**16)** Liljensøe A, Laursen JO, Søballe K, **Mechlenburg I**. Overweight preoperatively impairs clinical outcome after knee arthroplasty. Acta Orthop. 2013 Aug;84(4):392-7.

**17)** Jacobsen JS, Nielsen DB, Sørensen H, Søballe K**, Mechlenburg I**. Changes in walking and running in patients with hip dysplasia. Acta Orthop. 2013 Jun;84(3):265-70.

**18)** de Raedt S, **Mechlenburg, I,** Stilling M, Rømer L, Søballe K, de Bruijne M. Automated measurement of diagnostic angles for hip dysplasia. Proceedings of SPIE - The International Society for Optical Engineering. 2013 Jan;8670.

**19)** Birch S, Liljensøe A, Andreasen CH, Søballe K, **MechlenburgI**. Self-assessed Quality of Life in patients with Hip Dysplasia at 2-11 years of follow up after periacetabular osteotomy. Acta Radiol. 2015 Feb;56(2):196-203.

**20)** Mikkelsen LR, Petersen MK, Søballe K, Mikkelsen S, **Mechlenburg** I. Does reduced movement restrictions and use of assistive devices affect rehabilitation outcome after total hip replacement? A non-randomized, controlled study. Eur J Phys Rehabil Med. 2014 Aug;50(4):383-93.

**21)** Hjorth MH, Soballe K, Jakobsen SS, Lorenzen N, **Mechlenburg I**, Stilling M. No association between serum metal ions and implant fixation in large-head metal-on-metal total hip arthroplasty. Acta Orthop. 2014 Aug;85(4):355-62.

**22)** **Mechlenburg I**, Søballe K, Lamm M, Stilling M. Hip osteoarthritis. Ugeskr Laeger 2014, Jul 21;176(30).

**23) Mechlenburg I,** Klebe T, Døssing K, Amstrup A, Søballe K, Stilling M. Evaluation of periprosthetic bone mineral density and postoperative migration of humeral head resurfacing implants: two-year results of a randomized controlled clinical trial. J Shoulder Elbow Surg 2014; 23:1427-1436.

**24)** Skoffer B, Dalgas U, **Mechlenburg I**. Progressive resistance training before and after total hip and knee arthroplasty – a systematic review. Clin Rehabil. 2015 Jan;29(1):14-29.

**25)** Hjorth MH, Stilling M, Lorenzen ND, Jakobsen SS, Søballe K**, Mechlenburg I**. Block-step asymmetry 5 years after large-head MOM THA is related to lower muscle mass and leg power on the implant side. Clin Biomech (Bristol, Avon). 2014 Jun;29(6):684-90.

**26)** Mikkelsen LR, Mikkelsen S, Søballe K, **Mechlenburg I**, Petersen MK. A study of the inter-rater reliability of a test battery for use in patients after total hip replacement. Clin Rehabil. 2015 Feb;29(2):165-74.

**27)** Jacobsen JS, Nielsen DB, Sørensen H, Søballe K**, Mechlenburg I.** Joint kinematics and kinetics during walking and running in 32 patients with hip dysplasia 1 year after Periacetabular Osteotomy. Acta Orthop. 2014 Dec;85(6):592-9.

**28)** **Mechlenburg I**, Søballe K, Lamm M, Stilling M. Debatindlæg Røntgenundersøgelse af hofteleddet. Ugeskr Laeger 2014 Sep 1;176(36).

**29)** Mikkelsen LR, **Mechlenburg I**, Søballe K, Jørgensen LB, Mikkelsen S, Bandholm T, Petersen MK. Effect of early supervised progressive resistance training compared to unsupervised home-based exercise after fast-track total hip replacement. A single-blinded randomised controlled trial. Osteoarthritis Cartilage. 2014 Dec;22(12):2051-8.

**30)** Skoffer B, Maribo T, **Mechlenburg I**, Hansen PM, Soballe K, Dalgas U.Efficacy of pre-operative progressive resistance training on post-operative outcomes in patients undergoing total knee arthroplasty. Arthritis Care Res (Hoboken). 2016 Sep;68(9):1239-51.

**31)** Hjorth MH, Stilling M, Soballe K, Bolvig LH, Thyssen JP, **Mechlenburg I**, Jakobsen SS. No association between pseudotumors, high serum-ion levels and metal hypersensitivity in large-head meta-on-metal total hip arthroplasty at 5-7 year follow-up. Skeletal Radiol. 2016 Jan;45(1):115-25.

**32)** Skoffer B, Dalgas U, **Mechlenburg I**, Soballe K, Maribo T.Functional performance is associated with both knee extensor and flexor muscle strength in patients scheduled for total knee arthroplasty: A cross-sectional study. J Rehabil Med. 2015 May;47(5):454-9.

**33) Mechlenburg I,** Nyengaard JR, Gelineck J, Søballe K. Cartilage Thickness and Cyst Volume Unchanged 10 year after Periacetabular Osteotomy Among Patients Without Hip Symptoms. Clin Orthop Relat Res. 2015 Aug;473(8):2644-9. May;26(5):950-6.

**34)** Kierkegaard S, Dalgas U, Lund B, Sørensen H, Rømer L, Søballe K, **Mechlenburg I**. The Horsens-Aarhus Femoro Acetabular Impingement (HAFAI) cohort: outcome of arthroscopic treatment for femoro acetabular impingement - Protocol for a prospective cohort study. BMJ Open. 2015 Sep 7;5(9):e008952.

**35)** Kierkegaard S, Jørgensen PB, Dalgas U, Søballe K, **Mechlenburg I**. Pelvic movement strategies and leg extension power in patients with end-stage medial compartment knee osteoarthritis: A cross-sectional study. Arch Orthop Trauma Surg. 2015 Sep;135(9):1217-26.

**36)** Skalshøi O, Iversen CH, Nielsen DB, Jacobsen JS, **Mechlenburg I**, Søballe K, Sørensen H. Walking Patterns and Hip Contact Forces in Patients with Hip Dysplasia. Gait Posture. 2015 Oct;42(4):529-33.

**37)** Birn I, **Mechlenburg I**, Liljensøe A, Soballe K, Larsen JF. The Association Between Preoperative Symptoms of Obesity in Knee and Hip Joints and the Change in Quality of Life After Laparoscopic Roux-en-Y Gastric Bypass. Obes Surg. 2016 May;26(5):950-6.

**38)** Mikkelsen, LR, Petersen MK, **Mechlenburg I**, Mikkelsen S, Søballe K, Bandholm T. Description of load progression and pain response during progressive resistance training early after total hip arthroplasty: secondary analyses from a randomized controlled trial. Clin Rehabil. 2017 Jan;31(1):11-22.

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