

CURRICULUM VITAE

Gunnar Flivik

MD, PhD, Associate Professor

ADDRESS WORK:

Department of Orthopedics
Skåne University Hospital
Lund University
221 85 Lund, Sweden

DATE OF BIRTH:

February 11th, 1965, Lund, Sweden

FAMILY:

Wife, son (1995), daughter (1998)

MEDICAL EDUCATION:

- 2011 Associate Professor, Faculty of Medicine, Lund University (Docent)
- 2005 Dissertation, PhD, Faculty of Medicine, Lund University (avhandling)
- 1998 Specialist in Orthopaedic surgery (specialistexamen i Ortopedi)
- 1993 Swedish medical licence (läkarlegitimation)
- 1985-1991 Faculty of Medicine, Lund University, M.D. 1991 (läkarexamen)

POSITIONS:

- 2022-- Senior Consultant Orthopaedic Surgeon, GHP Ortho & Spine Center, Malmö, Sweden (*Current part time position*)
- 2011-- Associate Professor, Senior Consultant Orthopaedic Surgeon, Dept of Orthopaedics, Skåne University Hospital, Lund, Sweden (*Current position*)
- 2007-2011 Senior Consultant Orthopaedic Surgeon, Dept of Orthopaedics, Lund
- 2006-2007 Consultant Orthopaedic Surgeon, Dept of Orthopaedics, Sir Charles Gairdner Hospital, Perth, Australia and Fremantle Hospital, Perth, Australia
- 1998-2005 Staff surgeon, Dept of Orthopaedics, Lund, Sweden
- 1993-1998 Residency in Orthopaedic surgery (Including Orthopaedic surgery, Hand surgery, General surgery, Anaesthesiology, Plastic surgery and Neurosurgery), Ystad, Malmö and Lund, Sweden
- 1992-1993 Internship (Surgery, Internal medicine, Psychiatry and General practitioner), Ystad, Sweden
- 1991 (6 months) Temporary General Practitioner, Fränsta and Skurup, Sweden
- 1990-91 (8 months) House officer, Dept of Surgery, Bollnäs, Sweden
- 1989 (2 months) House officer, Dept of Radiology, Jönköping, Sweden

FELLOWSHIP AND POST-DOC:

- Hip and Knee Arthroplasty Fellowship and Post Doc Research position:
Sir Charles Gairdner Hospital and Perth Orthopaedic Institute, Perth, Australia;
January-June, 2006
- Nordic Exeter Hip Fellowship. Princess Elisabeth Ortopedic Centre, Exeter, UK;
Nov-Dec, 2000

MEMBERSHIP:

- European Hip Society
- Swedish Hip and Knee society (Svenska Höft- och knäföreningen), (former board member)
- Swedish Orthopaedic Association (Svensk Ortopedisk Förening)
- Swedish Medical Association (Svenska Läkarförbundet)
- Swedish Society of Medicine (Svenska Läkaresällskapet)

ADMINISTRATIVE EXPERIENCE:

- Member of board Swedish Hip and Knee Society, August 2008-September 2009 and September 2011- September 2014
- Co-head of the Biomechanical and Biomaterials laboratory at Lund University Hospital, January 2008 – January 2009
- Head of Lund University Hospital's Orthopaedic activity at Trelleborg Hospital (Arthroplasty Centre with about 1200 arthroplasties a year). August 2007 – August 2012
- Member of board for Centre for Biomechanics at Lund University. July 2007 – May 2015
- Manager of the RSA-laboratory at Dept of Orthopedics, Lund, Sweden, January 2002 --
- Staff administrator, Dept of Orthopedics, Lund, Sweden, January 2000 - January 2003

TEACHING EXPERIENCE:

- >200 lecture hours at national and international courses and congresses
- Engineering students, Course in Medical Biomechanics, LTH Faculty of Engineering, 2012--
- Medical students at Lund University Medical School, 1999 --
- Radiology Nurses yearly national course, 2012--
- Scrub Nursing students at Lund University Nursing School, 2002 – 2005
- Physiotherapist students at Lund University Physiotherapist School, 2000 – 2005

FORMAL PEDAGOGIC TRAINING FOR UNIVERSITY TEACHERS:

- Perspectives on Course Design (Perspektiv på kurs), 3 weeks, autumn 2018
- Problem based learning (Problembaserat lärande), 1/2 week, January 2010
- Group Communication and Supervision (Gruppkommunikation och handledning), 1/2 week, March 2008
- Course for Doctoral Supervisors, (Forskarhandledning), 1/2 week, November 2007
- Introductory Course in University Pedagogics (Högskolepedagogisk introduktionskurs), 1 week, November 2007

POSTGRADUATE COURSES FOR DOCTORAL EDUCATION (PHD):

- Regression analyses, advanced biostatistical course, May 2004
- Variance analyses, advanced biostatistical course, April 2004
- Oral communication (Presentationskurs), May 2000
- Publication methodology (Publiceringsmetodik), December 1999
- Clinical research methodology and statistics (klinisk forskningsmetodologi och statistik), December 1997

SCIENTIFIC PUBLICATIONS (SEE SEPARATE LIST):

- 56 published scientific manuscripts in peer reviewed international journals
- 3 book chapters
- 43 oral presentations at scientific meetings
- 23 posters at scientific meetings

SUPERVISOR EXPERIENCE:**Supervisor for PhD student at Medical Faculty Lund University**

- Albin Christensson, Dept of Orthopedics, 2021 –
“Migration- and 3D-measurements of total joint arthroplasty”
- Erik Weber, Dept of Orthopedics, 2013 --
“Design- and periprosthetic factors affecting the stem performance in THA”
- Halldór Bergvinsson, Dept of Orthopedics, 2017 -2022 **Ph.D. 10th June 2022**
“Factors affecting cup wear and migration in total hip arthroplasty”
- Sverrir Kiernan, Dept of Orthopedics. 2011-2020 **Ph.D. 9th October 2020**
“The importance of biomechanical restoration for total hip arthroplasty”

Assistant supervisor for PhD student at Medical Faculty Lund University

- Vasileios Zampelis, Dept of Orthopedics. 2011-2017. **Ph.D. 24th March 2017**
“Revision hip arthroplasty using impacted allograft bone and cement. Studies on prosthetic stability and outcome”
- Abdulemir Ali, Dept of Orthopedics. 2009-2016. **Ph.D. 25th November 2016**
“Pain after total knee arthroplasty with special reference to patella”
- Ola Belfrage, Dept of Orthopedics. 2007-2014. **Ph.D. 25th April 2014**
“Allograft bone in hip revision. Effect of locally applied pharmacological treatment”

Assistant supervisor for PhD student at Medical Faculty Copenhagen University

- Mújgan Yilmaz, University of Copenhagen. 2017 --
“Comparison of Persona® uncemented total knee arthroplasty versus Persona® cemented total knee arthroplasty” In a randomized controlled trial using RSA and DXA
- Karen Vorre Dyreborg, University of Copenhagen. 2016-2020 **Ph.D. 18th Sept 2020**
“Uncemented Total Hip Arthroplasty. Femoral bone and implant interaction evaluated by Radiostereometric Analysis and Dual-Energy X-ray Absorptiometry”
- Mikkel Rathsach Andersen, University of Copenhagen. 2013-2016 **Ph.D. 13th May 2016**
“Monoblock versus Modular polyethylene design in uncemented total knee arthroplasty and the effect of preoperative bone quality on tibial component migration”

Supervisor for Master theses by student from Medical Faculty Lund University

- Gustav Rundgren, 2016. “Low-Dose Computed Tomography for Preoperative 3D Planning and Postoperative Evaluation of Total Hip Arthroplasty - a Qualitative Analysis of Radiation Dose and Image Quality as well as Comparison with Conventional Radiography”. Published 2017 in Acta Radiologica.
- Pontus Norman, 2012. “Fatigue fracture of uncemented modular stems for revision hip arthroplasty”. Published 2014 in J Arthroplasty,

- Fredrik Olerud, 2012. “Comparison of Refobacin Bone Cement and Palacos cum Gentamicin in Total Hip Arthroplasty. An RSA study with 2 years follow up. Published 2014 in Hip International.
- Elisabeth Abdon, 2008. “Hip joint revision arthroplasty according to Wagner: outcome of operations performed at UsiL during 2002-2007”.

Supervisor for Master theses by students from Lund Institute of Technology

- Fredrik Samuelsson, 2005. “Finite element study of the human pelvis in hip arthroplasty - with special emphasize on the subchondral bone plate”.

Assistant supervisor for Master theses by students from Lund Institute of Technology

- Andreas Olsson, 2001. “Automatic Roentgen Stereophotogrammetric Analysis”
- Ingrid Hauer and Eirik Langjord, 2000. “A biomechanical study of the interface between PMMA bone cement and prosthesis stem for joint replacements”.

Clinical supervisor in orthopaedics:

- Anna-Kajsa Harding, Resident, Dept of Orthopedics, Lund, Sweden, 2003-2006

THESIS OPPOSITIONS / OPPONENT / EXTERNAL EXAMINER

- Karin Rilby, Med Lic Thesis defence, Gothenburg University, Sweden, 27th January 2022. “Influence of stem design on total hip arthroplasty“
- Kristian Kjaergaard. **PhD Thesis** defence, University of Southern Denmark, Odense, Denmark. 11th December 2020. “Measuring longevity of total hip replacements with vitamin E-doped liners”
- Georgios Chatziagorou. **PhD Thesis** defence, Sahlgrenska Academy, Gothenburg University, Sweden, 20th March 2020. “Periprosthetic femoral fracture after total hip replacement. Incidence, risk factors and treatment“
- Ammar Jobory, Med Lic Thesis defence, Lund University, Sweden, 18th Jan 2019. “Dislocation after hip fracture related arthroplasty -Incidence, risk factors and prevention“
- Bitu Shareghi, **PhD Thesis** defence, Sahlgrenska Academy, Gothenburg University, Sweden, 9th February 2018. “Wear and migration in total hip arthroplasty measured with Radiostereometric analysis. Methodological aspects and clinical aspects“
- Jon Dahl, **PhD Thesis** defence, Oslo University, Norway, 5th September 2014. “Wear and wear measurement in total and hemi hip replacement“
- Per Olav Østbyhaug, **PhD Thesis** defence, Trondheim University, Norway, 4th Oct 2013. “The importance of stem geometry for load transfer and primary stability in uncemented hip arthroplasty. Experimental laboratory studies on human cadaver femurs“
- Nina Dyrberg Lorenzen, **PhD Thesis** defence, Aarhus University, Denmark, 16th March, 2012. “ Hip resurfacing Arthroplasty – Evaluated by a Meta-Analysis, Microdialysis, Laser Doppler Flowmetry, RSA, DXA, X-ray and Clinical follow-up“
- Mats Salemyr, Med Lic Thesis defence, Danderyd Hospital, Stockholm, Sweden, 23rd Sept, 2011. “ Periprosthetic bone remodelling and fixation in hip arthroplasty“
- Juozas Petruskevicius, **PhD Thesis** defence, Aarhus University, Denmark, 17th Sept, 2010. “Optimizing the cementation of femoral component in hip arthroplasty“
- Sarunas Tarasevicius, Med Lic Thesis defence, Lund University, Sweden, 4th Dec 2008. “Soft tissues in osteoarthritis and arthroplasty of the hip“

ASSESSMENT COMMITTEE FOR PHD THESIS

- Hampus Stigbrand, Dept of Surgical Sciences, Akademiska Sjukhuset, Uppsala University, Sweden, 22nd April, 2022. “Revision Hip Arthroplasty. Impaction bone grafting and low-dose CT-based measurements of bone density and migration“
- Anders Pålsson, Dept of Health Sciences, Lund University, Sweden. March 19th, 2021. “Hips don’t lie...or do they? Patient characteristics, diagnosis and physical impairments in young to middle-aged patients with longstanding hip and groin pain“
- Aamir Mahdi, Örebro University Hospital, Örebro University, Sweden, 11th September 2020. “Psychological distress and contentment after primary total knee replacement“. Chairman of Committee
- Vasileios Lempesis, Skåne University Hospital, Lund University, Sweden, 11th May 2018. “Epidemiology and Etiology of Childhood Fractures in Southern Sweden“. Chairman of Committee.
- Gunilla Müller, Skåne University Hospital, Lund University, Sweden, 10th Dec 2015. “Reduction of metal artefacts in MR imaging of patients with total hip arthroplasty“
- Maziar Mohaddes, Sahlgrenska Hospital, University of Gothenburg, Sweden, 20th Oct 2015. “Acetabular Revisions, Risk-factors & Prediction of Re-revision“
- Mats Salemyr, Danderyd Hospital, The Karolinska Institute, Stockholm, Sweden, 13th Dec 2013. “Uncemented Hip Arthroplasty in Primary and Revision Surgery. Patterns of bone remodeling and options to influence periprosthetic bone loss. Periprosthetic bone remodeling and fixation in hip arthroplasty“

VISITING LECTURER/GUEST:

- Dept of Orthopaedics, Hospital for Special Surgery, New York, USA, 27th-29th October 2014 (Prof Mathias Bostrom)
- Dept of Orthopaedics, ZhuJiang Hospital of Southern Medical University, Kanton (Guangzhou), China, 2nd-6th Nov, 2013 (Prof Qi Li)
- Dept of Orthopaedics, Endo-Klinik, Hamburg, Germany, 17th-18th May, 2010 (Prof Thorsten Gehrke)
- Dept of Orthopaedics, Mayo Clinic, Rochester, Minnesota, 2nd-8th Dec 2007 (Prof David Lewallen)
- Dept of Orthopaedics, Dalhousie University, Halifax, Canada , 23rd-28th Aug 2005 (Assoc Prof Michael Dunbar)

COURSE FACULTY MEMBER / INVITED SPEAKER

- Nordic Joint Replacement Champions Meeting (Stryker), Copenhagen, 30th-31st May 2022.
- Hip Academy (Course organizer), second series, part 2 (Depuy. J&J), Stockholm, Sweden, 5th – 6th May 2022
- Hip Academy (Course organizer), second series, part 1 (Depuy. J&J), Malmö, Sweden, 7th – 8th October 2021
- Public Webinar – “When memory fails or joints are hurting”. Lecture for the general population about “When is it time for a Joint Replacement?”. Lund, Sweden, 6th October, 2021.

- Seminar on Periprosthetic hip fractures, Swedish Orthopaedic Society Meeting, Östersund, Sweden, 7th Sept 2021
- Hip revision webinar on bone loss, Swedish Hip&Knee Society. 3rd June 2021
- Shorter stem hip arthroplasty: An evidence-based discussion (JRI Orthopedics). Webinar, 16th September 2020.
- Swedish Hip&Knee Society annual meeting, Hip Revision Session, Stockholm, Sweden 7th November 2019.
- Nordic Uncemented Hip Instructional Course, (Depuy. J&J), Hamburg, Germany, 5th – 6th November 2019
- Hip Academy, part 3 (Depuy. J&J), Hamburg, Germany, 4th – 5th November 2019
- Pathways International Orthopaedics Conference, London, England, 4th October 2019.
- Break the revision cycle, Materialize Expert meeting, Copenhagen, 19th Sept 2019.
- 9th Congress of the International Society of Orthopaedic Centres, Lund, Sweden, 15th-18th May 2019
- Uncemented Hips, Cadaveric Lab Meeting (Stryker). Tampere, Finland, 2nd-3rd April 2019
- Southern China Joint Surgery Conference 2108. Guangzhou, China, 17th November 2018
- Hip Academy, part 2 (Depuy. J&J), Stockholm, Sweden, 14th – 16th November 2018
- Uncemented Hip Conference 2018, Royal College of Physicians, London, United Kingdom, 15th October 2018.
- Battle – Acetabular revision arthroplasty; restoring bone defects with 3D printed metal cup or bone grafting. The Dutch Orthopedic Society meeting. Rotterdam, the Netherlands, 10th October 2018.
- Present and Future Technologies in Acetabular Revisions. European Hip Society session during EFORT. Barcelona, Spain, 30th May-1st June, 2018
- Cementless course and Cadaveric lab (Stryker), Tampere, Finland, May 27th-28th , 2018
- Hip Academy, part 1 (Depuy. J&J), Malmö, Sweden, 18th – 20th April 2018
- Swedish Orthopaedic Association, Annual Meeting, Umeå, Sweden, Aug 29th - Sept 1st 2017.
- Course in Orthopaedic Surgery for Scrub Nurses (Smith&Nephew), Malmö, Sweden, 30-31st March 2017.
- Advanced Acetabular reconstructions (Materialise), satellite symposium in conjunction with *Current Concept in Joint Replacement*, Florida, USA, 16th Dec, 2016
- Anato Hip Symposium (Stryker), Madrid, Spain, 11th-12th February 2016.
- Instructional Course in Modern Cementing Technique (Zimmer-Biomet), Malmö, Sweden 27th November, 2015.
- Orthopaedic Revision Forum (Mobelife/Materialize) – Amsterdam, The Netherlands, 12th-13th November, 2015.
- Acetabular Revisions – Challenges and Possibilities, Symposium at Norwegian Orthopaedic Association, Annual Meeting, Oslo, Norway, 22 October, 2015.
- Hip & Knee Arthroplasty meeting, Norrland Arthroplasty Surgeon's annual meeting, Luleå, Sweden 15th October 2015.
- European Hip Symposium (Stryker), Amsterdam, The Netherlands, 1st-2nd October, 2015

- Furlong Hip Meeting, Celebrating 30 years of Clinical Excellence (JRI). Liverpool, England, 14th September, 2015.
- The Hip&Knee Society Symposium, Swedish Orthopaedic Association, Annual Meeting, Falun, Sweden, Aug 27th, 2015.
- Västledens vårmöte (Sahlgrenska Academy regional meeting)(Stryker). Göteborg Sweden, 4th June 2015.
- Evidence and registry based excellence. International course on the perfectly cemented hip. (Link). Uppsala, Sweden, May 19th-20th May 2015.
- Cementing technique in hips and knees for residents (Biomet). Malmö, Sweden, 24th April 2015.
- Restoration Primary & Revision Hip Technique & Cadaveric Course (Stryker), Tampere, Finland, 4th-5th December 2014.
- Biomet Academy - Infection & Revision Management, Modern Cementing Technique (Biomet), Malmö, Sweden, 29th September 2014.
- Sirius THA: Beyond Compliance Training (Biomet), Bristol, England, 1st Sept 2014
- Instructional course in Total Hip Arthroplasty Technique, Swedish Orthopaedic Association , Annual Meeting, Helsingborg, Sweden, Aug 26th, 2014
- Orthomedic Hip User Meeting (Orthomedic), Oslo, Norway, 12th-13th June, 2014
- Infection Control and Modern Cementing Technique – Orthopaedic Skills Academy (Biomet), Hamburg, Germany, 3rd- 4th April, 2014
- Revision Hip Instructional Course (Depuy Synthes Institute), Kiel, Germany, 12th-13th March, 2014.
- Orthopaedic Revision Forum – Challenges in the Hip (Mobelife), Leuven, Belgium, 14th-15th November, 2013.
- Guangzhou Hip Arthroplasty Reconstruction Symposium 2013, Kanton (Guangzhou), China, 3rd November, 2013.
- Nordic Hip Meeting – primary to revision THA (Depuy Synthes), Stockholm, Sweden. 24th-25th October, 2013 (Course Chairman)
- Exeter Academy Level 2 (Stryker), Copenhagen, Denmark, 16th-17th September 2013.
- The Knee: A new era has arrived. International Sports Medicine & Knee Arthroplasty Meeting (Biomet), Prague, Czech Republic, 11th-14th September, 2013.
- Instructional course in Total Hip Arthroplasty Technique, Swedish Orthopaedic Society Meeting, Uppsala, Sweden, Aug 27th, 2013
- 3rd International RSA Meeting, Lund, Sweden, 22-24 May, 2013. (Meeting organizer and chairman)
- Infection Control and Modern Cementing Technique – Orthopaedic Skills Academy (Biomet), Hamburg, Germany, 11th-12th April, 2013
- Revision Hip Instructional Course (Depuy Synthes Institute), Kiel, Germany, 12th-13th March, 2013.
- Modern Cementing Technique, Instructional Course (Biomet), Malmö, Sweden, 8th February, 2013.
- Revision Hip Symposium (Depuy), London, England, 12th-13th November, 2012.

- Pain Week 2012 by Mundipharma, Aspects on Osteoarthritis, Malmö, Sweden, 8th November, 2012,
- Advances in Technologies and Techniques: Controversies in Hips (Stryker). Oxford, England, 1st - 2nd November, 2012
- Primary to Revision THR – Instructional Course with Anatomical Specimens (Biomet), Medical University of Vienna. Vienna, Austria, 1st-3rd October, 2012
- Instructional course in Total Hip Surgery Technique, Swedish Orthopaedic Society Meeting, Kristianstad, Sweden, Sept 4th , 2012
- Revision surgery – Swedish Hip & Knee Society meeting at SOF, Kristianstad, Sweden, Sept 6th, 2012
- Infection Control, Cementing University Symposium (Biomet), Hamburg, Germany, April 12th-13th, 2012.
- Evolution Hip Meeting (JRI Ltd), London, England, March 20th, 2012.
- Principles in Basic Cementing Technique (Stryker), Malmö, Sweden, November 18th, 2011
- Moderne Zementiertechnik in der Hüft- und Knie-Endoprothetik. Prophylaxe und Therapie von Infektionen in der Hüft-, Knie und Unfallchirurgie (Biomet). Hamburg, Germany, Sept 29-30, 2011.
- Instructional course in Total Hip Surgery Technique, Swedish Orthopaedic Society Meeting, Karlskrona, Sweden, Aug 30th - Sept 2nd , 2011
- 12th EFORT Congress, ExMEx session. Copenhagen, Denmark, 1st- 4th June 2011
- AFOR – Expert’s hip symposium. Lucerne, Switzerland. 26th-28th may 2011.
- Contemporary fixation and bearings in total joint arthroplasty (Biomet) – Copenhagen, Denmark, 14-15 April, 2011. (*Co-Chairman*)
- International Hip Symposium (Biomet) – Contemporary Approaches in Total Hip Arthroplasty. Amsterdam, Holland, February 9-11, 2011
- Lubinus SP II – Norwegian Hip Symposium (Link). Bergen, Norway, 1st-2nd December 2010.
- HAC–25 years celebration meeting (Furlong Foundation). The Royal College of Surgeons of England, London, England, November 26th , 2010
- Instr Course in Modern Cementing Technique (Biomet), Lund, Sweden. 7th – 8th October, 2010
- Modern Cementing Technique in TKR and THA. Prevention and Treatment of Infections in Hip, Knee and Trauma Surgery (Biomet). Hamburg, Germany, 15th-16th April 2010.
- Advanced Instructional Course in Modern Cementing Technique (Biomet). Lund, Sweden, 18th-19th March 2010. *Chairman*.
- Instr Course in Modern Cementing Technique (Biomet), Brno, Czech Republic. Nov 23, 2009
- Stryker Orthopaedic Hip Academy, Snogeholm Castle, Sweden. November 10, 2009
- International Symposium on Clinical and Scientific Research in RSA. Halifax, Cape Breton, Canada, October 22-25, 2009.
- 4th Benelux-Nordic Hip Symposium (Stryker) – Strategy for the Next Decades Hip Arthroplasty, Copenhagen, Denmark, October 8-9, 2009

- Instructional course in Hip Cementing Technique, Swedish Orthopaedic Society Meeting, Jönköping, Sweden, August 25-28, 2009.
- Modern Cementing Technique with focus on Prevention and Treatment of Infections in Hip, Knee and Trauma Surgery (Biomet). Genoa, Italy, February 5-6, 2009
- 2nd International Symposium on Acetabular Reconstruction (Furlong Foundation). The Royal College of Surgeons of England, London, England, June 20-21, 2008
- 5th Asia Pacific Orthopaedic Symposium. Hip and Knee Arthroplasty, Singapore, August 15-19, 2006.
- State of the art in hip arthroplasty (Biomet), Beijing, China, October 23-29, 2005
- State of the art for the cemented implant (Biomet), Brussels, Belgium, October 7-8, 2005
- Cementing University Summer Course (Biomet), Nice, France, June 27-29, 2001

MODERATOR/CHAIRMAN

- Pathways International Orthopaedics Conference, London, England, 4th October 2019 (Moderator for hip revision session)
- 9th Congress of the International Society of Orthopaedic Centres, Lund, Sweden, 15th-18th May, 2019. (Moderator)
- European Hip Society 11th Congress – 9-11 October 2014 , Stockholm (Moderator for 2 sessions)
- Nordic Hip Meeting – primary to revision THA (Depuy Synthes), 24th -25th October, 2013, Stockholm, Sweden. (Course Chairman)
- 3rd International RSA Meeting, Lund, Sweden, 22-24 May, 2013. (Chairman and Meeting Organizer)
- Symposium: Cemented, Uncemented or Hybrid THA, Swedish Orthopaedic Society Meeting, Kristianstad, Sweden, Sept 4th , 2012 (Moderator and organizer)
- 12th EFORT Congress, Copenhagen, Denmark, 1st- 4th June 2011 (Moderator)
- AFOR – Expert’s hip symposium. Lucerne, Switzerland. 26th-28th may 2011 (Moderator)
- Course in Modern Cementing Technique in TKR and THR. Prevention and Treatment of Infections in Hip, Knee and Trauma Surgery. Hamburg, Germany, April 15-16, 2010 (Co-Chairman with Prof Thorsten Gehrke, and Lecturer)
- Advanced Instructional Course in Modern Cementing Technique. Lund, Sweden, March 18-19, 2010 (Chairman and lecturer)
- Free Paper session: Diagnostics, Planning and Technical Treatments in THA. 10th EFORT Congress, Vienna, Austria, June 4th, 2009 (Moderator)

CONGRESS ORGANIZER:

- 3rd International RSA Meeting, The 40 year Anniversary of Radiostereometry in Orthopaedics. Lund, Sweden, May 22-24, 2013.

COURSE ORGANIZER:

- Hip Academy, second series, part 2 (Depuy. J&J), Stockholm, Sweden, 5th – 6th May 2022
- Hip Academy, second series, part 1 (Depuy. J&J), Malmö, Sweden, 7th – 8th October 2021
- Hip Academy, part 3 (Depuy. J&J), Hamburg, Germany, 4 – 5 November 2019

- Hip Academy, part 2 (Depuy. J&J), Stockholm, Sweden, 14-16 November, 2018
- Hip Academy, part 1 (Depuy. J&J), Malmö, Sweden, 18-20 April, 2018
- Orthopedic Implant Course, Lund University, Sweden, 17-19 April, 2002
- National Course in Biomechanics, Lund University, Sweden, 25-28 April, 2000
- National Course in Biomaterials, Lund University, Sweden, 7-9 December, 1998

PEER REVIEWED AWARDS:

- Best Poster Award – EFORT, Lisbon, Portugal, June 2019
- Best Poster Award – Swedish Orthopedic Society Meeting , Helsingborg, Aug 2014
- The Göran Selvik Prize, 16th EORS meeting, Bologna, June 2006

ADVISORY COUNCILS

- Nordic Joint Replacement Council of Expertise (Stryker) 2020 --
- EU hip council of Expertise (Stryker) 2018 --

JOURNAL BOARD MEMBER:

- Orthopaedics Today Europe -*The Official Newspaper of EFORT*, 2012--

SCIENTIFIC MANUSCRIPT REVIEWER

- Acta Orthopaedica (2005-) (52)
- Acta Radiologica (2014-) (3)
- BMJ (British Medical Journal) (2015-) (2)
- Clinical Orthopaedics and Related Research (2005-) (8)
- Journal of Orthopaedic Research (2011-) (2)
- The Knee (2017-) (3)
- Abstract review committee for 12th EFORT Congress, Copenhagen 2011
- McMaster PLUS (McMaster Online Rating of Evidence) (2006-) (26)

PATENTS

- Method and system for planning implant component position, United States Patent and Trademark Office, Patent number: 10705677, Date of patent July 7th, 2020. Inventors: Matts Andersson and Gunnar Flivik
- Computer-implemented method and system for planning implant component position, European Patent, EP2908762, Date Aug 2nd 2017. Patent holder: Matts Andersson and Gunnar Flivik.
- Metod och system för planering av position för implantatkomponent, Swedish Patent, SE536759C2 and SE1251187A1, Date: July 15th 2014. Patent holder :Matts Andersson and Gunnar Flivik
- Prosthesis Inserter; United States Patent, number 6,110,179; Date: Aug 29th, 2000; and European Patent EP0940128, Oct 25th, 2000.
Patent Holder: Gunnar Flivik, Krister Wulff and Andrew Storer

SCIENTIFIC PUBLICATIONS

Gunnar Flivik, MD PhD, Associate Professor
Dept of Orthopedics, Skåne University Hospital, Lund University, Sweden

JOURNAL PUBLICATIONS:

(8 first author, 27 last author)

56. Bergvinsson H, Zampelis V, Sundberg M, Tjörnstrand J, **Flivik G**. Vitamin E infused highly cross-linked cemented cups in total hip arthroplasty show good wear pattern and stabilize satisfactorily: a randomized, controlled RSA trial with 5-year follow-up. *Acta Orthopaedica* 2022;93:249-255 <https://doi.org/10.2340/17453674.2022.1517>
55. Christensson A, Tveit M, Kesteris U, **Flivik G**. Similar migration for medial congruent and cruciate-retaining tibial components in an anatomic TKA system: a randomized controlled trial of 60 patients followed with RSA for 2 years. *Acta Orthopaedica* 2022;93:68-74 <https://doi.org/10.1080/17453674.2021.1983709>
54. Belfrage O, Weber E, Sundberg M, **Flivik G**. Preserved periprosthetic bone stock with uncemented short hip stem both in collared and collarless version. A DXA-study on 50 patients with 5 years follow-up. *Archives of Orthopaedic and Trauma Surgery*. 29 Nov 2021 <https://doi.org/10.1007/s00402-021-04225-z>
53. Yilmaz M, Holm C, Lind T, **Flivik G**, Odgaard A, Petersen MM. Bone remodelling and implant migration of uncemented femoral and cemented asymmetrical tibial components in total knee arthroplasty - DXA and RSA evaluation with 2-year follow-up. *Knee Surgery & Related Research* 2021;33:25. <https://doi.org/10.1186/s43019-021-00111-5>
52. Weber E, Flivik C, Sundberg M, **Flivik G**. Migration pattern of a short uncemented stem with or without collar. A randomized, controlled RSA-study with 2 years follow-up. *Hip International* 2021;31(4):500-506 <https://doi.org/10.1080/17453674.2021.1920163>
51. Bergvinsson H, Zampelis V, Sundberg M, **Flivik G**. Highly cross-linked polyethylene still outperforms conventional polyethylene in THA: 10-year RSA results. *Acta Orthopaedica* 2021;92(5):568-574 <https://doi.org/10.1080/17453674.2021.1932140>
50. Dyreborg K, Sørensen MS, **Flivik G**, Solgaard S, Petersen MM: Preoperative BMD does not influence femoral stem subsidence of uncemented THA when the femoral T-score is >-2.5. *Acta Orthopaedica* 2021;92(5):538-543 <https://doi.org/10.1080/17453674.2021.1920163>
49. Esbjornsson A-C, Kiernan S, Mattsson L, **Flivik G**. Geometrical restoration during total hip arthroplasty is related to change in gait pattern - a study based on computed tomography and three-dimensional gait analysis. *BMC Musculoskeletal Disorders* 2021;22:369 <https://doi.org/10.1186/s12891-021-04226-4>
48. Dyreborg K, Winther N, Lind T, **Flivik G**, Petersen MM. Evaluation of different coatings of the tibial tray in uncemented total knee arthroplasty. A randomized controlled trial with 5 years follow-up with RSA and DEXA. *The Knee* 2021;29:208-215 <https://doi.org/10.1016/j.knee.2021.02.002>

47. Kiernan S, Kaptein B, Flivik C, Sundberg M, **Flivik G**. Unexpected varus deformity and concomitant metal ion release and MRI findings of modular-neck hip stems: descriptive RSA-study in 75 hips with 8 years' follow-up. *Acta Orthopaedica* 2021;92(1):66-72
<https://doi.org/10.1080/17453674.2020.1853387>
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Flivik G. Fixation of the cemented acetabular component in hip arthroplasty, Lund University, Dept of Orthopedics. March 2005

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- **Eriksson K, Flivik G, Sundberg M, Lindstrand A, Möller M, Brittberg M, Karlsson J, Roos H.** Ortopedi – patofysiologi, sjukdomar och trauma hos barn och vuxna. Studentlitteratur 2018. Kapitlet Knä (the chapter on Knee Osteoarthritis), 2018; (28): 343-379
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- **Flivik G.** Operation med total höftledsprotos – hur kan vi förebygga proteslossning och omoperation.
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ORAL PRESENTATIONS WITH ABSTRACTS AT SCIENTIFIC MEETINGS

43. **Bergvinsson H, Zampelis V, Sundberg M, Tjörnstrand J, Flivik G.** Vitamin-E doped polyethylene show superior wear pattern compared with conventional polyethylene in cemented cups. A randomized 5-year RSA study. 7th International RSA meeting, Oslo, Norway, 10-12 May 2021
42. **Christensson A, Tveit M, Kesteris U, Flivik G.** Migration comparison between medial congruent and cruciate retaining tibial components in TKA. A randomised controlled trial followed with RSA for 2 years. 7th International RSA meeting, Oslo, Norway, 10-12 May 2021
- 41 **Flivik G,** CT Follow-Up Evaluation of Pre-Planned Versus Achieved Position, And 1-Year Migration Data, Of Custom-Made 3DPrinted Cup-Cage Implants For Acetabular Revisions. EFORT 20th Congress, Lisbon, Portugal, 5-7 June 2019.
- 40 **Flivik G, Weber E, Flivik C, Sundberg M.** Migration and bone preserving effect of a short uncemented hip stem with and without collar. A randomized RSA and DXA study with 2 years follow-up. 59th NOF Congress, Reykjavik, Iceland, 13-15 June 2018.
- 39 **Zampelis V, Flivik G, Kesteris U.** No effect of Jet-lavage of the femoral canal on the stability of uncemented hip stems. A randomized RSA study with 6 years follow-up. 59th NOF Congress, Reykjavik, Iceland, 13-15 June 2018.
- 38 **Bergvinsson H, M Sundberg M, Flivik G.** Highly cross-linked polyethylene liner show 10% of the annual wear rate of a conventional polyethylene liner. A 5-year RSA study comparing Furlong CSF cup liners. 59th NOF Congress, Reykjavik, Iceland, 13-15 June 2018.

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35. Rathsach Andersen M, Winther N, Schröder H M, Lind T, **Flivik G**, Mørk Petersen M. Low preoperative bone quality is related to high migration of tibia components in uncemented TKA – 92 patients in a combined DEXA- and RSA-study with two-year follow-up. *EFORT, 18th Congress, Vienna, Austria, 31 May- 2 June, 2017.*
34. Zampelis V, Belfrage O, Tägil M, Sundberg M, **Flivik G**. Locally administered bisphosphonate in acetabular revisions using the bone impaction technique. A randomized, placebo-controlled study evaluated with RSA and DXA. *EFORT, 17th congress, Geneva, Switzerland, 1-4 June, 2016.*
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31. Sköldenberg O, **Flivik G**, Ryd L. Micromotion of small metallic implants in the knee. *4th International RSA Meeting, Bologna, Italy, 13th–15th May 2015.*
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POSTERS:

23. Rathsach Andersen M, Winther N, Lind T, Morville Schreöder H, **Flivik G**, Mörk Pedersen M. Tibia Component Under-Sizing Is Related To High Degrees Of Migration In Cementless TKA. - 116 Patients With Cementless Tibia Components. RSA Data, Blinded X-ray Assessments And Two Years Follow-Up. *Virtual EFORT Congress, 30 June-2 July 2021.*
22. Dyreborg K, **Flivik G**, Rathsach Andersen M, Winther N, Solgaard S, Mörk Peterssen M. 1-Year Evaluation Of The Uncemented Echo Bi-Metric THA Stem Versus The Uncemented Bi-Metric Porous Primary THA Stem In A Randomized Controlled Trial Using RSA. *EFORT 20th Congress, Lisbon, Portugal, 5-7 June 2019. (Got the **Best Poster Award - the Jacques Duparc Award**)*
21. Dyreborg K, Winther N, Lind T, **Flivik G**, Petersen, Mörk Peterssen M. 5-Year Follow-Up With RSA On A RCT With Comparison Of The Vanguard Tibial Component With Either Regenerex® Or

- Porous Plasma Spray Coating In Total Knee Arthroplasty. EFORT 20th Congress, Lisbon, Portugal, 5-7 June 2019.
20. *Yilmaz M, Holm C, Flivik G, Lind T, Odgaard A, M. Petersen M.* Early Follow-Up Of Hybrid Total Knee Arthroplasty (TKA) Using Persona® Prostheses – A Prospective Study With Model-Based Radiostereometric Analysis (Mb-RSA). EFORT 20th Congress, Lisbon, Portugal, 5-7 June 2019.
 19. *Kiernan S, Sundberg M, Flivik G.* Evaluation of 2D vs 3D templating in uncemented total hip arthroplasty. 59th NOF Congress, Reykjavik, Iceland, 13-15 June 2018.
 18. *Tägil M, Belfrage O, Sundberg M, Kesteris K, Flivik G.* Locally Administered Bisphosphonates in Hip Revisions Using the Bone Impaction Technique. A Randomized Controlled Study with DXA and 5 Year Radiostereometry (RSA) Follow Up. ORS 2018 Annual Meeting, New Orleans, USA, 10-13 March 2018.
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 16. *Khayyeri H, Väänänen S, Flivik G, Jurvelin J, Dahlberg L, Isaksson H.* A Novel Method to Test Association of 3D hip Morphological Parameters with Hip Osteoarthritis. ORS 2016 Annual Meeting, Orlando, Florida, 5th-8th March 2016.
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 11. *Abdulghani S, Wang JS, McCarthy I, Flivik G.* The effect of initial pressurisation on cement penetration in an acetabular model. EFORT 8th congress, Florence, Italy, 11-15 May, 2007.
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