

Curriculum Vitae

BIG-nummer: 39911434701

ROGO van opleiding: ROGO Zuid

1^e inschrijving BIG register: 08-07-2009

Datum laatste herregistratie: 01-07-2021

Datum promotie: 06.10.2017

Titel proefschrift: Hip Arthroplasty in the Very Elderly. Anatomical and Clinical Considerations

Orthopedische aandachtsgebieden: knie, heup, trauma

Lid van NOV: ja

Lid van andere wetenschappelijke verenigingen en beroepsorganisaties, ook buitenlandse:

- European Hip Society (EHS)
- European Knee Associates (EKA)
- European Society for Sports Traumatology, Knee Surgery and Arthroscopy (ESSKA)
- Nederlandse Vereniging voor Arthroscopie (NVA)
- Nederlandse Vereniging voor Orthopaedische Traumatologie

Lidmaatschappen:

Datum van aanstelling als orthopedisch chirurg: augustus 2017

Fulltime/parttime percentage: 100%

Werkzaam in andere instelling, functie, fulltime/parttime percentage: -

Functies in medische staf en/of ziekenhuis commissies (omschrijf functie en eventuele commissie):

- Medisch directeur Beweeghuis
- Dagelijks Bestuur OK

Idem maar dan terugrekend over de afgelopen vijf jaar: -

Idem maar dan actueel voor wetenschappelijke verenigingen: -

Idem maar dan actueel voor andere organisatie in de gezondheidszorg: -

Overzicht wetenschappelijke publicaties over de afgelopen vijf jaar:

Direct comparison of non-osteoarthritic and osteoarthritic synovial fluid-induced intracellular chondrocyte signaling and phenotype changes.

Housmans BAC, van den Akker GGH, Neefjes M, Timur UT, Cremers A, Peffers MJ, Caron MMJ, van Rhijn LW, Emans PJ, Boymans TAEJ, Feczko PZ, van der Kraan PM, Welting TJM. *Osteoarthritis Cartilage*. 2023 Jan;31(1):60-71. doi: 10.1016/j.joca.2022.09.004. Epub 2022 Sep 21. PMID: 36150677.

Response to Comment by Andriolo *et al*.

Janssen MPF, van der Linden EGM, Boymans TAEJ, Welting TJM, van Rhijn LW, Bulstra SK, Emans PJ. *Cartilage*. 2021 Dec;13(1_suppl):1829S. doi: 10.1177/1947603520979850. Epub 2020 Dec 15. PMID: 33319603 No abstract available.

A Systematic Review of Focal Cartilage Defect Treatments in Middle-Aged Versus Younger Patients.

Jeuken RM, van Hugten PPW, Roth AK, Timur UT, Boymans TAEJ, van Rhijn LW, Bugbee WD, Emans PJ. *Orthop J Sports Med*. 2021 Oct 15;9(10):23259671211031244. doi: 10.1177/23259671211031244. eCollection 2021 Oct. PMID: 34676269. Review.

Prognostic Factors and Changes in Pain, Physical Functioning, and Participation in Patients With Hip and/or Knee Osteoarthritis: A Systematic Review.

Cijs B, Stekelenburg R, Veenhof C, Knoop J, Boymans T, de Rooij M, Klok C. *Arthritis Care Res (Hoboken)*. 2025 Feb;77(2):228-239. doi: 10.1002/acr.25428. Epub 2024 Sep 30. PMID: 3922805. Review.

Knee Joint Distraction as Treatment for Osteoarthritis Results in Clinical and Structural Benefit: A Systematic Review and Meta-Analysis of the Limited Number of Studies and Patients Available.

Jansen MP, Boymans TAEJ, Custers RJH, Van Geenen RCI, Van Heerwaarden RJ, Huizinga MR, Nellensteijn JM, Sollie R, Spruijt S, Mastbergen SC. *Cartilage*. 2021 Dec;13(1_suppl):1113S-1123S. doi: 10.1177/1947603520942945. Epub 2020 Jul 22. PMID: 32698704.

Twenty-Two-Year Outcome of Cartilage Repair Surgery by Perichondrium Transplantation.

Janssen MPF, van der Linden EGM, Boymans TAEJ, Welting TJM, van Rhijn LW, Bulstra SK, Emans PJ. *Cartilage*. 2021 Dec;13(1_suppl):860S-867S. doi: 10.1177/1947603520958146. Epub 2020 Sep 15. PMID: 32929986.

Cost-effectiveness analyses comparing cemented, cementless, hybrid and reverse hybrid fixation in total hip arthroplasty: a systematic overview and critical appraisal of the current evidence.

Veldman HD, de Bot RTAL, Heyligers IC, Boymans TAEJ, Hilgsmann M. Expert Rev Pharmacoecon Outcomes Res. 2021 Aug;21(4):579-593. doi: 10.1080/14737167.2021.1878880. Epub 2021 Apr 5. PMID: 33472442.

Expanding the ABCC-tool for osteoarthritis: Development and content validation. Debie VHJ, Boymans TAEJ, Ottenheijm RPG, van Schayck OCP, Gidding-Slok AHM. Osteoarthr Cartil Open. 2024 May 15;6(3):100488. doi: 10.1016/j.ocarto.2024.100488. eCollection 2024 Sep. PMID: 38807711.

[Network medicine for people with movement complaints in the Netherlands: the Beweeghuis and other orthopaedic initiatives].

Boymans TAEJ, Vanwersch RJB, Bemelmans YFL, Hofstee DJ, Wijnands CHJ, van Rhijn LW. Ned Tijdschr Geneeskd. 2023 Nov 22;167:D7614. PMID: 38175572 Dutch.

Cartilage repair strategies in the knee according to Dutch Orthopedic Surgeons: a survey study.

Jeuken RM, van Hugten PPW, Roth AK, Boymans TAEJ, Caron J, Weber A, Custers RJH, Emans PJ. Arch Orthop Trauma Surg. 2023 Aug;143(8):5175-5188. doi: 10.1007/s00402-023-04800-6. Epub 2023 Feb 21. PMID: 36810798.

Age-Associated Changes in Proximal Femur Morphology Affect Femoral Component Sizing in Cementless Hip Arthroplasty.

Veldman HD, Boymans TAEJ, van Steenbergen LN, Heyligers IC. Geriatr Orthop Surg Rehabil. 2022 Dec 7;13:21514593221144615. doi: 10.1177/21514593221144615. eCollection 2022. PMID: 36519004.

Implementation of back at work after surgery (BAAS): A feasibility study of an integrated pathway for improved return to work after knee arthroplasty.

Strijbos DO, van der Sluis G, Boymans TAEJ, de Groot S, Klomp S, Kooijman CM, Reneman MF, Kuijer PPFM. Musculoskeletal Care. 2022 Dec;20(4):950-959. doi: 10.1002/msc.1633. Epub 2022 May 4. PMID: 35506461.

Time Effect on Acute Postoperative Pain After Total Knee Replacement Surgery: An Exploratory Study Using the Experience Sampling Method.

Balthasar AJR, Willemen JE, Vossen CJ, Boymans TAEJ, Lousberg R. Clin J Pain. 2023 Nov 1;39(11):580-587. doi: 10.1097/AJP.0000000000001152. PMID: 37440351.

Near-Optimal Recovery Within 3 Months: Investigating Health-Related Quality of Life and Functional Outcomes After Single-Stage Bilateral Hip Replacement for Osteoarthritis.

Strijbos DO, Boymans TAEJ, Bimmel R. Orthop Nurs. 2023 Nov-Dec 01;42(6):376-383. doi: 10.1097/NOR.0000000000000987. PMID: 37989158.

Forecasting the value of innovation in total knee arthroplasty care: A headroom approach. Otten TM, Grimm SE, Ramaekers B, Roth A, Emans P, Boymans T, Janssen M, Jeuken R, Joore MA. *J Exp Orthop*. 2024 Dec 18;11(4):e70096. doi: 10.1002/jeo2.70096. eCollection 2024 Oct. PMID: 39697990.

Minced Autologous Chondral Fragments with Fibrin Glue as a Simple Promising One-Step Cartilage Repair Procedure: A Clinical and MRI Study at 12-Month Follow-Up. Wodzig MHH, Peters MJM, Emanuel KS, Van Hugten PPW, Wijnen W, Jutten LM, Boymans TA, Loeffen DV, Emans PJ. *Cartilage*. 2022 Dec;13(4):19-31. doi: 10.1177/19476035221126343. Epub 2022 Oct 28. PMID: 36305343.

No consensus on cementless fixation currently being the most cost-effective mode of implant fixation in younger total hip arthroplasty patients. Veldman HD, de Bot RTAL, Heyligers IC, Boymans TAEJ, Hilgsmann M. *Int J Clin Pract*. 2021 Sep;75(9):e14587. doi: 10.1111/ijcp.14587. PMID: 34388936 No abstract available.

Protocol for a multicenter study on effectiveness and economics of the Back At work After Surgery (BAAS): a clinical pathway for knee arthroplasty. Strijbos DO, van der Sluis G, van Houtert WFC, Straat AC, van Zaanen Y, de Groot S, Klomp S, Krijnen WP, Kooijman CM, van den Brand I, Reneman MF, Boymans TAEJ, Kuijer PPFM. *BMC Musculoskelet Disord*. 2023 Mar 16;24(1):199. doi: 10.1186/s12891-023-06203-5. PMID: 36927339.

Development of a Personalized m/eHealth Algorithm for the Resumption of Activities of Daily Life Including Work and Sport after Total and Unicompartmental Knee Arthroplasty: A Multidisciplinary Delphi Study. Straat AC, Coenen P, Smit DJM, Hulsege G, Bouwsma EVA, Huirne JAF, van Geenen RC, Janssen RPA, Boymans TAEJ, Kerkhoffs GMMJ, Anema JR, Kuijer PPFM. *Int J Environ Res Public Health*. 2020 Jul 9;17(14):4952. doi: 10.3390/ijerph17144952. PMID: 32659989.

Patient with knee osteoarthritis demonstrates improved knee adduction moment after knee joint distraction: a case report. Eijking HM, Verlaan L, Emans P, Boymans T, Meijer K, Senden R. *Acta Orthop Belg*. 2024 Mar;90(1):147-153. doi: 10.52628/90.1.11515. PMID: 38669666.

Proteomic characterization of regenerated cartilage following knee joint distraction; a human case-study. Steijns JSJJ, Green D, Peeters LCW, Emans PJ, Boymans TA, Stassen RH, van den Akker GGH, Cremers A, Jutten LMC, Anderson JR, Peffers MJ, Caron MMJ, Welting TJM. *Connect Tissue Res*. 2024 Nov;65(6):486-496. doi: 10.1080/03008207.2024.2440716. Epub 2024 Dec 17. PMID: 39688003.

Non-surgical treatment before hip and knee arthroplasty remains underutilized with low satisfaction regarding performance of work, sports, and leisure activities.

Van Zaanen Y, Hoorntje A, Koenraadt KLM, Van Bodegom-Vos L, Kerkhoffs GMMJ, Waterval-Witjes S, Boymans TAEJ, Van Geenen RCI, Kuijer PPFM. *Acta Orthop*. 2020 Dec;91(6):717-723. doi: 10.1080/17453674.2020.1813440. Epub 2020 Sep 3. PMID: 32878525.

Smartphone App with an Accelerometer Enhances Patients' Physical Activity Following Elective Orthopedic Surgery: A Pilot Study.

van Dijk-Huisman HC, Weemaes ATR, Boymans TAEJ, Lenssen AF, de Bie RA. *Sensors (Basel)*. 2020 Aug 2;20(15):4317. doi: 10.3390/s20154317. PMID: 32748876.

Optimizing the Maastricht Work-Related Support intervention in clinical patient care: the value of integrating action research into intervention mapping.

Butink M, Hooper S, Boonen A, Baadjou V, Boymans T, Pierik M, de Rijk A. *BMC Health Serv Res*. 2024 Mar 11;24(1):325. doi: 10.1186/s12913-024-10752-3. PMID: 38468294.

A Mixed-Methods Process Evaluation of the Maastricht Work-Related Support Intervention for Healthcare Professionals in Clinical Care.

Butink M, Boonen A, Boymans T, Baadjou V, Hazelzet E, de Rijk A. *J Occup Rehabil*. 2025 Jun;35(2):374-389. doi: 10.1007/s10926-024-10211-0. Epub 2024 Jun 10. PMID: 38856951.

AI for fracture diagnosis in clinical practice: Four approaches to systematic AI-implementation and their impact on AI-effectiveness.

Loeffen DV, Zijta FM, Boymans TA, Wildberger JE, Nijssen EC. *Eur J Radiol*. 2025 Jun;187:112113. doi: 10.1016/j.ejrad.2025.112113. Epub 2025 Apr 14. PMID: 40252277.

No proportional relationship between shape and size of the femoral canal and the external proximal femur morphology in elderly patients.

Veldman HD, Heyligers IC, Boymans TAEJ. *J Orthop*. 2025 Jan 15;67:118-125. doi: 10.1016/j.jor.2025.01.018. eCollection 2025 Sep. PMID: 39916805.

The Assessment of Burden of Chronic Conditions (ABCC-) tool: A valid and reliable tool for hip, knee, hand, wrist, foot and ankle osteoarthritis.

Debie VHJ, Boymans TAEJ, Gidding-Slok AHM, van Schayck OCP, Ottenheijm RPG. *Osteoarthritis Cartil Open*. 2025 May 21;7(3):100623. doi: 10.1016/j.ocarto.2025.100623. eCollection 2025 Sep.

NTVO/NTVT – Overige: -