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Forskningsinteresser

Anders Holsgaard-Larsen, MSc, PhD. Orthopaedic Research Unit, Department of Clinical Science, University of Southern Denmark and Odense University Hospital. Holsgaard-Larsen is Professor in Clinical Biomechanics and received his Master degree within isolated musculoskeletal function in 2002 followed by the PhD degree in 2007 in biomechanical analysis and functional capacity in elderly individuals at the Department of Sports Science and Clinical Biomechanics, University of Southern Denmark. Then, he advanced his biomechanical competencies in a Post Doc position (2007-2009) investigating shoulder and neck problems in a multi-professional collaboration between chiropractors and sports scientists before moving to the Department of Clinical Research, University of Southern Denmark and Orthopedic Research Unit, Odense University Hospital, heading the gait and motion laboratory (2009-). From 2014-19 he was elected as President for the Danish Association of Biomechanics and was designated as host of the 29th annual meeting of the European Society for Movement analysis in Adults and Children (ESMAC 2021). Finally, he is affiliated with the Department of Women's and Children's Health, Karolinska Institutet, Stockholm where he aims to develop collaboration between Karolinska and University of Southern Denmark.
Professor Holsgaard-Larsen possess a strong background in developing and validating research methodologies that have been implemented in the clinical practice and research projects. His primary research focus is to conduct translational research within musculoskeletal and/or orthopedic conditions and he master a variety of explorative methods from 3-dimensional motion analysis, pedography, electromyography, muscle dynamometry to simple functional performance-based tests and patient reported outcome measures. His research methodologies/competences are presently used in clinical studies ranging from healthy children, children with cerebral palsy, adults suffering from meniscectomy, anterior cruciate ligament rupture, femoroacetabular impingement to elderly patients suffering from knee or hip osteoarthritis. Furthermore, he has a vast experience in designing and conducting randomized controlled trials which is a contributing factor why he is the course leader of a PhD course on optimizing randomized controlled trials at the Department of Health Sciences at University of Southern Denmark.s:[1-5]

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Ansættelse

Klinisk Institut
SDU

Odense M, Danmark
1. apr. 2026 → present

Professor
KI, OUH, Forskningsenhed for Ortopædkirurgi (Odense)
SDU
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Lektor (gæste)
Karolinska Institutet
Stockholm, Sverige
1. jan. 2018 → present

Publikationer

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Priser

Best oral presentation (Presenting author)(2nd place) Dansk Ortopædkirurgisk Selskabs Årsmøde (DOS),
Larsen, A. H. (Modtager), 2012

Best poster award (Presenting author) Dansk Ortopædkirurgisk Selskabs Årsmøde (DOS)
Larsen, A. H. (Modtager), 2017

Best scientific paper (co-author) Dansk Ortopædkirurgisk Selskabs Årsmøde (DOS),
Larsen, A. H. (Modtager), 2018

Presse/medie

Anders Holsgaard Larsen er udnævnt til professor i klinisk biomekanik
Holsgaard-Larsen, A.
28/12/2020 → 28/01/2021
4 Mediebidrag

Conference coverage: Exercise tops NSAIDs for knee osteoarthritis
Larsen, A. H.
20/06/2017
1 element af Mediedækning

Din træningsmakker er en robot: Millionbevilling til SDU-projekt om genoptræning efter sygdom eller ulykke
Holsgaard-Larsen, A., Sørensen, A. S., Rasmussen, G. & Nielsen, J.
19/06/2022
1 Mediebidrag

Exercise topped NSAIDs for knee osteoarthritis
Holsgaard-Larsen, A.
15/04/2018
1 Mediebidrag

Forskere trodser tyngdekraften for at få folk med nerveskader til at gå
Sørensen, A. S., Holsgaard-Larsen, A. & Jensen, J. S.
16/12/2024 → 17/12/2024
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Forskning med gangrobotter
Holsgaard-Larsen, A.
16/02/2021
1 Mediebidrag

Fynske konferencer aflyses ikke, men udskydes
Holsgaard-Larsen, A.
09/06/2020
1 Mediebidrag

Han vil sætte robotter til at træne patienter
Holsgaard-Larsen, A.
18/01/2021
1 Mediebidrag

Han vil sætte robotter til at træne patienter
Holsgaard-Larsen, A.
18/01/2021
1 Mediebidrag

Han vil sætte robotter til at træne patienter
Holsgaard-Larsen, A.
18/01/2021
1 Mediebidrag

International prestigekonference lander i Odense i 2020
Larsen, A. H.
22/08/2018
1 Mediebidrag

International prestigekonference lander i Odense i 2020
Larsen, A. H.
22/08/2018
1 Mediebidrag

Konferencerne overlever corona: bliver udskudt i stedet for aflyst
Holsgaard-Larsen, A.
09/06/2020
1 Mediebidrag

Konferencerne overlever corona: bliver udskudt i stedet for aflyst
Holsgaard-Larsen, A.
09/06/2020
1 Mediebidrag

KORT NYT
Holsgaard-Larsen, A.
29/12/2020
1 Mediebidrag

Mens vi lever: Det er aldrig for sent
Holsgaard-Larsen, A.
27/12/2008
1 Mediebidrag

NAVNE I NOTER
Holsgaard-Larsen, A.
13/01/2021
1 Mediebidrag

NSAIDs vs. Exercise for Knee Arthritis
Holsgaard-Larsen, A.
13/11/2017
1 Mediebidrag

Ny formand i Dansk Biomekanisk Selskab
Holsgaard-Larsen, A.
15/10/2014
1 element af Mediedækning

Ny formand i Dansk Biomekanisk Selskab
Holsgaard-Larsen, A.
15/10/2014
1 element af Mediedækning

Ny formand i Dansk Biomekanisk Selskab
Holsgaard-Larsen, A.
15/10/2014
1 element af Mediedækning

Ny formand i Dansk Biomekanisk Selskab
Holsgaard-Larsen, A.
15/10/2014
1 element af Mediedækning

Ny professor vil undersøge, om robotter kan hjælpe patienter i genoptræning
Holsgaard-Larsen, A.
05/01/2021
1 Mediebidrag

Ny professor vil undersøge, om robotter kan hjælpe patienter i genoptræning
Holsgaard-Larsen, A.
05/01/2021
1 Mediebidrag

Ny professor vil undersøge, om robotter kan hjælpe patienter i genoptræning
Holsgaard-Larsen, A.
05/01/2021
1 Mediebidrag

Ny professor vil undersøge, om robotter kan hjælpe patienter i genoptræning
Holsgaard-Larsen, A.
05/01/2021
1 Mediebidrag

Ny SDU-professor skal forbedre ortopædkirurgien og fysioterapien
Holsgaard-Larsen, A.
04/02/2021
1 Mediebidrag

Ny SDU-professor skal forske i træningsrobotter
Holsgaard-Larsen, A.
05/02/2021
1 Mediebidrag

Nyt om navne
Holsgaard-Larsen, A.
03/02/2021
1 Mediebidrag

Preoperative Resistance Training Can Accelerate Recovery for Patients Undergoing Total Hip Arthroplasty: Presented at OARSI
Holsgaard-Larsen, A.
02/05/2018
1 element af Mediedækning

PRM / International prestigekonference lander i Odense i 2020
Larsen, A. H.
22/08/2018
1 Mediebidrag

PRM / International prestigekonference lander i Odense i 2020
Larsen, A. H.
22/08/2018
1 Mediebidrag

PRM / Professor i klinisk biomekanik på OUH og SDU
Holsgaard-Larsen, A.
26/12/2020
1 Mediebidrag

PRM / Professor i klinisk biomekanik på OUH og SDU
Holsgaard-Larsen, A.
27/12/2020
1 Mediebidrag

Professor i klinisk biomekanik
Holsgaard-Larsen, A.
29/12/2020
1 Mediebidrag

Professor i klinisk biomekanik på OUH og SDU
Holsgaard-Larsen, A.
27/12/2020
1 Mediebidrag

SDU og OUH udnævner professor i klinisk biomekanik
Holsgaard-Larsen, A.
27/12/2020
1 Mediebidrag

TV 2 Fyn 19.30
Holsgaard-Larsen, A.
29/08/2023
1 Mediebidrag

Projekter

Barriers and motivators of physical activity levels and associated consequences on quality of life in children with cerebral palsy – a clinical consecutive cohort study
Fonvig, C. E. (Overordnet koordinator), Holsgaard-Larsen, A. (Vejleder), Troelsen, J. (Bivejleder) & Dunkhase-Heinl, U. (CoI)
01/04/2019 → 04/12/2022

BAF: Bracing After Ankle Fracture (BAF): a Randomised Multicenter Non-inferiority Trial Comparing Ankle Stirrups to Walkers on Pain, Function and Social Interaction for Adults After Ankle Fracture
Ipsen, J. A. (PI), Holsgaard-Larsen, A. (Projektdeltager), Gundtoft, P. H. (Projektdeltager), Hróbjartsson, A. (Projektdeltager), Abrahamsen, C. (Projektdeltager), Mikkelsen, S. L. S. (Projektdeltager), Costa, M. (Projektdeltager) & Viberg, B. (Projektdeltager)
01/02/2024 → 30/09/2028

BAF pilot : Bracing After Ankle Fracture (BAF): a Randomised Multicenter Non-inferiority Trial Comparing Ankle Stirrups to Walkers on Pain, Function and Social Interaction for Adults After Ankle Fracture - Pilot
Ipsen, J. A. (Projektdeltager), Holsgaard-Larsen, A. (Projektdeltager), Hróbjartsson, A. (Projektdeltager), Abrahamsen, C. (Projektdeltager), Gundtoft, P. H. (Projektdeltager), Costa, M. (Projektdeltager), Mikkelsen, S. L. S. (Projektdeltager), Krag-Andersen, K. K. (Projektdeltager), Viberg, B. (Projektdeltager), Hallager, D. W. (Projektdeltager) & Juul, R. (Projektdeltager)
01/12/2025 → 31/12/2026

STU-SIS: Clinical validation of speckle tracking ultrasonography for rotator cuff muscle function in patients with subacromial impingement syndrome
Brekke, A. F. (Co-PI), Holsgaard-Larsen, A. (PI), Frich, L. H. (Projektdeltager), Lambertsen, K. L. (Projektdeltager), Nielsen, H. H. (Projektdeltager) & Jacobsen, P. (Projektdeltager)
01/08/2022 → 31/03/2025

Fibromyalgia og Naltrexone: The FINAL study
Bruun, K. D. (PI), Vægter, H. B. (CoI), Toft, P. (Overordnet koordinator), Blichfeldt-Eckhardt, M. R. (CoI), Amris, K. (CoI) & Holsgaard-Larsen, A. (CoI)
01/01/2020 → 01/06/2023

Fitness for all: Adult people with physical disability in Denmark - Prevalence and social markers
Nikolajsen, H. (Projektdeltager), Larsen, C. M. (Projektdeltager), Boyle, E. (Projektdeltager), Holsgaard-Larsen, A. (Projektdeltager), Hestbæk, L. (Projektdeltager), Juul-Kristensen, B. (Projektdeltager) & Troelsen, J. (Vejleder)

FRAME-EX: ´FRAME-EX´ - FRAME Running for EXercise and participation in children and young people with disabilities
Pasgaard, T. U. (Projektdeltager), Holsgaard-Larsen, A. (Projektdeltager), Larsen, C. M. (Projektdeltager), Christiansen, L. B. (Projektdeltager) & Rasmussen, H. M. (Projektdeltager)

01/01/2025 → 31/12/2027

KneeActivity: Increased physical activity by activity tracking and motivational feed-back following total knee arthroplasty – a feasibility study prior to a randomized controlled trial
Holsgaard-Larsen, A. (PI), Lindberg-Larsen, M. (Projektdeltager), Jensen, C. M. (Projektdeltager), Kidholm, K. (Projektdeltager) & Wiil, U. K. (Projektdeltager)
01/01/2022 → 31/07/2026

KneeActivity: Levels of physical activity and quality of life following total or unicompartmental knee arthroplasty assessed with activity tracking and motivational feed-back– a randomized controlled trial nested in a prospective cohort (KneeActivity)
Skov, C. D. (Ph.d.-studerende), Holsgaard-Larsen, A. (Vejleder) & Lindberg-Larsen, M. (Bivejleder)
01/02/2023 → 31/01/2026

Re-BAF: Physical Recovery during Bracing after Ankle Fracture (Re-BAF): A Multi-Center Superiority Analysis nested within a Scandinavian Randomised Controlled Trial
Krag-Andersen, K. K. (Projektdeltager), Ipsen, J. A. (Projektdeltager), Hróbjartsson, A. (Projektdeltager), Abrahamsen, C. (Projektdeltager), Gundtoft, P. H. (Projektdeltager), Costa, M. (Projektdeltager), Mikkelsen, S. L. S. (Projektdeltager), Hallager, D. W. (Projektdeltager), Juul, R. (Projektdeltager), Thorlund, J. B. (Projektdeltager), Viberg, B. (Projektdeltager) & Holsgaard-Larsen, A. (Projektdeltager)
01/06/2026 → …

SPRAINO-work: Prevention of falls and torsional injuries with friction modifications on work footwear
Holsgaard-Larsen, A. (PI), Madeleine, P. (Projektdeltager) & Grønlykke, T. B. (Samarbejdspartner)
01/03/2022 → 28/02/2025

SaSAMBA: The effect of posterior and lateral approach on patient-reported outcome measures and physical function in patients with osteoarthritis, undergoing total hip replacement: a randomised controlled trial protocol
Rosenlund, S. (Projektleder), Broeng, L. (Koordinator), Jensen, C. (Co-PI), Holsgaard-Larsen, A. (Co-PI) & Overgaard, S. (Overordnet koordinator)
01/08/2014 → 01/08/2017

RoboRehab: The Effect of Robot-Assisted Versus Standard Training on Motor Function Following Subacute Rehabilitation after Ischemic Stroke – a randomised controlled trial nested in a prospective cohort (RoboRehab)
Jensen, J. S. (Ph.d.-studerende), Holsgaard-Larsen, A. (PI), Bojsen-Møller, J. (Bivejleder), Lambertsen, K. L. (Bivejleder), Sørensen, A. S. (Bivejleder), Nielsen, H. H. (Samarbejdspartner), Kruuse, C. (Samarbejdspartner), Jensen, H. B. (Samarbejdspartner), Buckwalter, M. (Samarbejdspartner) & Skov, C. D. (Samarbejdspartner)
01/09/2023 → 31/08/2026

RoboRehab: The effect of robot-assisted versus standard training on motor function following subacute rehabilitation after ischemic stroke - protocol for a randomised controlled trial nested in a prospective cohort
Jensen, J. S. (Ph.d.-studerende), Sørensen, A. S. (Projektdeltager), Kruuse, C. R. (Projektdeltager), Nielsen, H. H. (Projektdeltager), Skov, C. D. (Projektdeltager), Jensen, H. B. (Projektdeltager), Buckwalter, M. S. (Projektdeltager), Bojsen-Møller, J. (Projektdeltager), Lambertsen, K. L. (Projektdeltager) & Holsgaard-Larsen, A. (Projektleder)
01/08/2024 → 31/07/2027

RATE: The effect of targeted exercise on kneemuscle function in patients with persistent hamstring deficiency following ACL reconstruction – study protocol for a randomized controlled trial
Bregenhof, B. (Projektleder), Jørgensen, U. (Koordinator), Jensen, C. (Koordinator), Aagaard, P. (Koordinator), Nissen, N. (Koordinator), Creaby, M. W. (Koordinator), Thorlund, J. B. (Koordinator), Torfing, T. (Koordinator) & Holsgaard-Larsen, A. (Overordnet koordinator)
01/01/2017 → 01/01/2022

Future stand: The future of weight bearing standing frames
Krarup, L. (Projektdeltager), Holsgaard-Larsen, A. (Vejleder) & Pawlowski, C. (Vejleder)
01/08/2022 → 31/07/2026

TILT-FAI: The relationship between anterior pelvic tilt and functional acetabular retroversion in patients with symptomatic anterior femoroacetabular impingement
Brekke, A. F. (Overordnet koordinator), Holsgaard-Larsen, A. (Vejleder), Overgaard, S. (Bivejleder), Poulsen, E. (CoI) & Torfing, T. (CoI)
01/02/2016 → 01/08/2020

TRINITY: TriDisciplinary Contexture for Motion, Technology and Humans - TRINITY
Holsgaard-Larsen, A. (Co-PI), Sørensen, A. S. (Co-PI), Rasmussen, G. (Co-PI), Aagaard, P. (Projektdeltager), Nicolaisen, E. M. (Ph.d.-studerende), Gutierrez, J. P. D. L. R. (Projektdeltager), Kaos, M. (Samarbejdspartner) & Pedersen, M. B. (Projektdeltager)
02/03/2020 → 31/12/2024

Understanding lower-extremity motor recovery after stroke: A systematic review and meta-analysis of usual-care in RCTs and observational cohort studies
Jensen, J. S. (Ph.d.-studerende), Mavridis, A. (Ph.d.-studerende), Kolmos, M. (Samarbejdspartner), Alt Murphy, M. (Samarbejdspartner), Sunnerhagen, K. (Samarbejdspartner), Riberholt, C. G. (Samarbejdspartner), Holsgaard-Larsen, A. (Hovedvejleder) & Kruuse, C. (PI)
01/09/2025 → 01/12/2026