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## Primære forskningsområder

The main focus areas are 1) determine the feasibility of physical rehabilitation interventions 2) examine the effect of such interventions proven feasible, 3) development and validation of outcome measures, and 4) examination of factors influencing in-hospital outcome, primarily in patients with hip fracture and after dys-vascular lower limb amputation, but also involved in studies of patients with Geriatric disorders, major abdominal surgery, Lung diseases, Diabetes, Clavicle fractures and Achilles tendon ruptures.

## Ansættelse

### Professor, PhD

Fysio- og Ergoterapiafdelingen  
Region Hovedstaden  
1 maj 2021 → present

### Professor

Københavns Universitet  
Copenhagen, Danmark  
1 maj 2021 → present

### Associate Professor

Københavns Universitet  
Copenhagen, Danmark  
1 jan. 2020 → 30 apr. 2021

## Publikationer

### The impact of 12 weeks combined resistance and balance training on functional Sit-To-Stand muscle power in mobility limited older patients

Pedersen, M. W., Nielsen, F. K., Suetta, C. & Kristensen, M. T., jul. 2025, I: Gait & posture. 120, s. 60-65 6 s.

### Optimised oxygenation improves functional capacity during daily activities in patients with COPD on long-term oxygen therapy: a randomised crossover trial

Kofod, L. M., Hansen, E. F., Brocki, B. C., Kristensen, M. T., Roberts, N. B. & Westerdahl, E., 5 jun. 2025, (E-pub ahead of print) I: Thorax. thorax-2024-221883.

### Association between early mobilization after hip fracture surgery and risk of long-term opioid therapy

Tudorache, Y. M., Andersen, I. T., Hjelholt, T. J., Kristensen, M. T., Sheehan, K. J. & Pedersen, A. B., jun. 2025, I: European Geriatric Medicine. 16, 3, s. 921-931 11 s.

### Strategies used by patients when getting in and out of bed early after hip fracture surgery - the HIP-ME-UP cohort

Hansen, M. S., Wassar Kirk, J., Kristensen, M. T., Kampp Zilmer, C., Marie Skibdal, K., Bandholm, T., Pedersen, M. M. & HIP-ME-UP Collaborative Group, 30 apr. 2025, (E-pub ahead of print) I: Hospital practice. 53, 1, s. 2491305 2491305.

### Changes in mobility after community-based prosthesis fitting and rehabilitation in people with major lower limb amputations: a cohort study

Mechlenburg, I., Tønning, L. U., Ørholst, R., Iversen, C., Lindberg, K. & Kristensen, M. T., 28 apr. 2025, (E-pub ahead of print) I: Clinical Rehabilitation. s. 2692155251336566

**Preventing Falls in Older Adults After Upper Limb Fractures: A Scoping Review**

Lobo, B. S., Amaral Alfonsi, M. D., Lima, C. A., Felipe, S. G. B., Kristensen, M. T., Beaupre, L. A., Sherrington, C., Bruder, A. M. & Perracini, M. R., 2 apr. 2025, I: Physical Therapy. 105, 4, pzaf020.

**Applying both the 30-s and the 5-repetition sit-to-stand tests captures dissimilar groups and a broader spectrum of physical abilities in mobility-limited older individuals: results from the BIOFRAIL study**

Hansen, P., Nygaard, H., Ryg, J., Kristensen, M. T. & Suetta, C., apr. 2025, I: European Geriatric Medicine. 16, 2, s. 703-707 5 s.

**The Experience of Automated Home Oxygen Therapy for Patients With COPD - A Qualitative Study**

Kofod, L. M., Laursen, L. B., Westerdahl, E., Hansen, E. F., Brocki, B. C., Kristensen, M. T. & Bove, D. G., dec. 2025, I: COPD. 22, 1, s. 2477243 2477243.

**Very low levels of physical activity among patients hospitalized following hip fracture surgery: a prospective cohort study**

Hansen, M. S., Kristensen, M. T., Zilmer, C. K., Berger, A. L., Kirk, J. W., Marie Skibdal, K., Kallelose, T., Bandholm, T., Pedersen, M. M. & HIP-ME-UP Collaborative Group, 21 jan. 2025, (E-pub ahead of print) I: Disability and Rehabilitation. s. 1-10 10 s.

**Early mobilisation after hip fracture surgery reduces the risk of infection: an inverse probability of treatment weighted analysis**

Hjelholt, T. J., Andersen, I. T., Kristensen, M. T. & Pedersen, A. B., 6 jan. 2025, I: Age and Ageing. 54, 1, afaf007.

**Readmission and mortality before and after introduction of orthogeriatric home visits: A retrospective cohort study in hip fracture patients**

Ekmann, A., Jensen, T. G., Kristensen, M. T., Lunn, T. H., Pressel, E., Palm, H., Suetta, C., Overgaard, S. & Aasbrenn, M., dec. 2024, I: Injury. 55, 12, s. 111937 111937.

**Intra-Rater Reliability of Panoramic Ultrasound Imaging for Determining Quadriceps Muscle Cross-Sectional Area in Middle-Aged and Elderly Adults**

Sørensen, B., Magnusson, S. P., Couppé, C., Suetta, C., Johannsen, F. E., Kristensen, M. T. & Aagaard, P., nov. 2024, I: Scandinavian journal of medicine & science in sports. 34, 11, e14749.

**Alcohol and drug use in adults younger than 60 years with hip fracture - A comparison of validated instruments and the clinical eye: A prospective multicenter cohort study of 218 patients**

Rogmark, C., Magnusson, Å., Svanholm, S., Viberg, B., Kristensen, M. T., Palm, H., Overgaard, S. & Rönnquist, S. S., okt. 2024, I: Injury. 55, 10, 7 s., 111765.

**Intensified acute in-hospital physiotherapy for patients after hip fracture surgery: a pragmatic, randomized, controlled feasibility trial**

Zilmer, C. K., Kristensen, M. T., Magnusson, S. P., Bährrentz, I. B., Jensen, T. G., Zoffmann, S. Ø., Palm, H. & Bieler, T., okt. 2024, I: Disability and Rehabilitation. 46, 20, s. 4725-4734 10 s.

**Variation in care and outcome for fragile hip fracture patients: a European multicentre study benchmarking fulfilment of established quality indicators**

Coeckelberghs, E., Vanhaecht, K., Akiki, A., Castillón, P., Cox, B., Attal, R. E., Foss, N. B., Frihagen, F., Gerich, T. G., Kanakaris, N. K., Kristensen, M. T., Mohaddes, M., Panella, M., Pape, H. C., Sermon, A., Seys, D. & Nijs, S., okt. 2024, I: European journal of trauma and emergency surgery : official publication of the European Trauma Society. 50, 5, s. 2421-2430 10 s.

**Association between additional weekend rehabilitation and functional outcomes in patients with hip fractures: does age affect the effectiveness of weekend rehabilitation?**

Ogawa, T., Onuma, R., Sagae, H., Schermann, H., Kristensen, M. T., Fushimi, K., Yoshii, T. & Jinno, T., aug. 2024, I: European Geriatric Medicine. 15, 4, s. 1091-1100 10 s.

**The relationship between extent of mobilisation within the first postoperative day and 30-day mortality after hip fracture surgery**

Kristensen, M. T., Turabi, R. & Sheehan, K. J., jul. 2024, I: Clinical Rehabilitation. 38, 7, s. 990-997 8 s.

**Comparison of two electronic dynamometers for measuring handgrip strength**

Rolsted, S. K., Andersen, K. D., Dandanell, G., Dall, C. H., Zilmer, C. K., Bülow, K. & Kristensen, M. T., jun. 2024, I: Hand surgery & rehabilitation. 43, 3, s. 101692 101692.

**Optimised oxygenation improves functional capacity during daily activities in patients with COPD on long-term oxygen therapy – a randomised crossover trial**

Kofod, L. M., Hansen, E. F., Brocki, B. C., Kristensen, M. T., Roberts, N. B. & Westerdahl, E., 3 maj 2024, (medRxiv : the preprint server for health sciences).

**Fatigue, fear of being mobilized and residual limb pain limit independent basic mobility and physiotherapy for patients early after major dysvascular lower extremity amputation: A prospective cohort study**

Berger, A. L., Nielsen, A. Ø., Stie, S. B. & Kristensen, M. T., maj 2024, I: Geriatrics & gerontology international. 24, 5, s. 470-476 7 s.

**Inter-tester reliability and agreement of the Cumulated Ambulation Score in acute stroke: The InTRO-CAS-stroke study**

Arens, C. H., Johnsen, N. M., Milanesi, M., Weli, A. H., Linnebjerg, C., Christensen, H. & Kristensen, M. T., maj 2024, I: Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association. 33, 5, s. 107630 107630.

**The role of depression in the association between mobilisation timing and live discharge after hip fracture surgery:**

**Secondary analysis of the UK National Hip Fracture Database**

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**Early Mobilisation and exercise after fragility fracture**

Kristensen, M. T., Keene, D. J. & Queirós, C., jan. 2024, *Early Mobilisation and exercise after fragility fracture*. Springer Cham, s. 129 142 s.

**The impact of oxygen saturation on functional performance in patients with COPD on long-term oxygen therapy – a randomized crossover trialThe impact of oxygen saturation on functional performance in patients with COPD on long-term oxygen therapy – a randomized crossover trial**

Kofod, L. M., Hansen, E. F., Brocki, B. C., Kristensen, M. T., Roberts, N. & Westerdahl, E., 2024, I: European Respiratory Journal. 64(suppl68), OA3695

**No effect of hydroxyapatite-coated sliding hip screw threads on screw migration in the femoral head/neck of pecten fractures: a randomized controlled trial using radiostereometric analysis**

Krogh, A. C., Thillemann, J. K., Hansen, T. B., Holck, K., Kristensen, M. T., Palm, H. & Stilling, M., 14 sep. 2023, I: Journal of orthopaedic surgery and research. 18, 1, 686.

**Frequency, duration, and type of physiotherapy in the week after hip fracture surgery - analysis of implications for discharge home, readmission, survival, and recovery of mobility**

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**Association between additional weekend rehabilitation and in-hospital mortality in patients with hip fractures**

Ogawa, T., Onuma, R., Kristensen, M. T., Yoshii, T., Fujiwara, T., Fushimi, K., Okawa, A. & Jinno, T., 1 aug. 2023, I: The bone & joint journal. 105-B, 8, s. 872-879 8 s.

**Validation of an accelerometer system for measuring physical activity and sedentary behavior in healthy children and adolescents**

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**Physical activity in young hip fracture patients is associated with health-related quality of life and strength; results from a multicenter study**

Lindestrand, A. G., Rönnquist, S. S., Viberg, B., Overgaard, S., Palm, H., Rogmark, C. & Kristensen, M. T., 1 apr. 2023, I: Injury. 54, 4, s. 1191-1197 7 s.

**Achilles tendon gait dynamics after rupture: A three-armed randomized controlled trial comparing an individualized treatment algorithm vs. operative or non-operative treatment**

Hansen, M. S., Bencke, J., Kristensen, M. T., Kallelose, T., Hölmich, P. & Barfod, K. W., 28 feb. 2023, I: Foot and Ankle Surgery. 29, 2, s. 143-150 8 s.

**Daytime and scheduled surgery for major dysvascular lower extremity amputation**

Ignatiussen, M. E., Pedersen, P., Holm, G., Thomsen, M. G. & Kristensen, M. T., 17 feb. 2023, I: Danish Medical Journal. 70, 3, A07220435.

**Older patients' perspectives on participating in multimodal rehabilitation including anabolic steroids following hip fracture: a qualitative study embedded within a pilot RCT**

Hulsbæk, S., Laursen, L. B., Kristensen, M. T. & Midtgård, J., jan. 2023, I: Disability and Rehabilitation. 45, 1, s. 81-89 9 s., 2025929.

**Automated oxygen titration at home for patients with COPD - a pilot study**

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**Early intensive mobilization after acute high-risk abdominal surgery: a nonrandomized prospective feasibility trial**

Jönsson, L. R., Foss, N. B., Orbæk, J., Lauritsen, M. L., Sejrsen, H. N. & Kristensen, M. T., 2023, I: Canadian journal of surgery. Journal canadien de chirurgie. 66, 3, s. E236-E245

**Mobilisation and physiotherapy intervention following hip fracture: snapshot survey across six countries from the Fragility Fracture Network Physiotherapy Group**

Purcell, K., Tiedemann, A., Kristensen, M. T., Cunningham, C., Hjermundrud, V., Ariza-Vega, P., Perracini, M. & Sherrington, C., nov. 2022, I: Disability and rehabilitation. 44, 22, s. 6788-6795 8 s.

**Systematisk måling af fysisk funktion hos voksne patienter på tværs af diagnoser**

Kristensen, M. T., Dall, C. H., Aadahl, M. & Suetta, C., 24 okt. 2022, I: Ugeskrift for Laeger. 184, 43

**The Copenhagen Achilles Length Measurement Performed at Time of Acute Achilles Tendon Rupture is Correlated to Tendon Elongation After 1 Year**

Barfod, K. W., Hansen, M. S., Sandholdt, H., Boesen, A., Hölmich, P., Troelsen, A. & Kristensen, M. T., 1 sep. 2022, I: The Journal of foot and ankle surgery : official publication of the American College of Foot and Ankle Surgeons. 61, 5, s. 1098-1102 5 s.

**Six Versus 12 Weeks of Outpatient Physical Therapy Including Progressive Resistance Training in Cognitively Intact Older Adults After Hip Fracture: A Multicenter Randomized Controlled Trial**

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**Frailty and osteoporosis in patients with hip fractures under the age of 60-a prospective cohort of 218 individuals**

Strøm Rönnquist, S., Viberg, B., Kristensen, M. T., Palm, H., Jensen, J.-E. B., Madsen, C. F., Åkesson, K. E., Overgaard, S. & Rogmark, C., maj 2022, I: Osteoporosis International. 33, 5, s. 1037-1055 19 s.

**Correction to: Quality indicators in the treatment of geriatric hip fractures: literature review and expert consensus (Archives of Osteoporosis, (2021), 16, 1, (152), 10.1007/s11657-021-00995-6)**

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**The cumulated ambulation score is superior to the new mobility score and the de Morton Mobility Index in predicting discharge destination of patients admitted to an acute geriatric ward; a 1-year cohort study of 491 patients**  
Aagesen, M., Kristensen, M. T. & Vinther, A., 10 apr. 2022, I: Disability and Rehabilitation. 44, 8, s. 1481-1488 8 s.

**Exercise Therapy Is Effective at Improving Short- and Long-Term Mobility, Activities of Daily Living, and Balance in Older Patients Following Hip Fracture: A Systematic Review and Meta-Analysis**  
Hulsbæk, S., Juhl, C., Røpke, A., Bandholm, T. & Kristensen, M. T., 1 apr. 2022, I: The journals of gerontology. Series A, Biological sciences and medical sciences. 77, 4, s. 861-871 11 s., glab236.

**The impact of the frequency, duration and type of physiotherapy on discharge after hip fracture surgery: a secondary analysis of UK national linked audit data**  
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**Validity, Responsiveness, and Predictive Ability of the Japanese Version of the Cumulated Ambulation Score in Patients with Hip Fracture**  
Mashimo, S., Ogawa, T., Kitamura, N., Kubota, J., Gilmour, S., Kristensen, M. T. & Ishibashi, H., 8 feb. 2022, I: Progress in rehabilitation medicine. 7, s. 20220005

**Motives and Barriers to Exercise Training during Hospitalization in Patients with Type 2 Diabetes: A Cross-Sectional Study**  
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**Dansk Tærfagligt Register for Hoftenære Lårbensbrud – Resumé af årsrapport 2021**  
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**Orthopaedic physiotherapists' perceptions of mechanisms for observed variation in the implementation of physiotherapy practices in the early postoperative phase after hip fracture: a UK qualitative study**  
Volkmer, B., Sadler, E., Lambe, K., Martin, F. C., Ayis, S., Beaupre, L., Cameron, I. D., Gregson, C. L., Johansen, A., Kristensen, M. T., Magaziner, J., Sackley, C., Smith, T. O., Sobolev, B. & Sheehan, K. J., 10 nov. 2021, I: Age and Ageing. 50, 6, s. 1961-1970 10 s., afab131.

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**Effect of Automated Oxygen Titration during Walking on Dyspnea and Endurance in Chronic Hypoxic Patients with COPD: A Randomized Crossover Trial**  
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**The Achilles Tendon Length Measure and the Achilles Tendon Resting Angle show acceptable construct validity using the Copenhagen Achilles Length Measure as gold standard**  
Hansen, M. S., Kristensen, M. T., Hölmich, P. & Barfod, K. W., 1 aug. 2021, I: Foot and Ankle Surgery. 27, 6, s. 655-659 5 s.

**Loss of pre-fracture basic mobility status at hospital discharge for hip fracture is associated with 30-day post-discharge risk of infections - a four-year nationwide cohort study of 23,309 Danish patients**

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**Feasibility and preliminary effect of anabolic steroids in addition to strength training and nutritional supplement in rehabilitation of patients with hip fracture: a randomized controlled pilot trial (HIP-SAP1 trial)**

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**COVID-19 and acute respiratory failure treated with CPAP**

Kofod, L. M., Nielsen Jeschke, K., Kristensen, M. T., Krogh-Madsen, R., Monefeldt Albek, C. & Hansen, E. F., 11 apr. 2021, I: European Clinical Respiratory Journal. 8, 1, s. 1-9 9 s., 1910191.

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**Physical Therapy Management of Older Adults With Hip Fracture**

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Kristensen, M. T., Hulsbæk, S., Faber, L. L. & Kronborg, L., 15 jan. 2021, I: Geriatrics (Basel, Switzerland). 6, 1, s. 1-13 13 s., 8.

**Translation, Reliability and Validity of the Spanish Version of the Modified New Mobility Score (NMS-ES)**

Prieto-Moreno, R., Ariza-Vega, P., Ortiz-Piña, M., Ashe, M. C., Romero-Ayuso, D. & Kristensen, M. T., 15 jan. 2021, I: International Journal of Environmental Research and Public Health. 18, 2, s. 1-11 11 s., 723.

**Translation, Inter-rater Reliability, Agreement, and Internal Consistency of the Japanese Version of the Cumulated Ambulation Score in Patients after Hip Fracture Surgery**

Ogawa, T., Hayashi, H., Kishimoto, T., Mashimo, S., Kusumoto, Y., Nakamura, K., Aoki, T., Moross, J., Kristensen, M. T. & Ishibashi, H., dec. 2020, I: Progress in rehabilitation medicine. 5, s. 20200030 12 s.

**Translation, inter-rater reliability, agreement, and internal consistency of the Spanish version of the cumulated ambulation score in patients after hip fracture**

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**Factors influencing performances and indicating risk of falls using the true Timed Up and Go test time of patients with hip fracture upon acute hospital discharge**

Kristensen, M. T., 1 jul. 2020, I: Physiotherapy Research International. 25, 3, 7 s., e1841.

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Lindberg, K., Møller, B. S., Kirketerp-Møller, K. & Kristensen, M. T., 16 jan. 2020, I: Disability and Rehabilitation. 42, 2, s. 183-189 7 s.

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Hansen, M. S., Kristensen, M. T., Budolfsen, T., Ellegaard, K., Hölmich, P. & Barfod, K. W., jan. 2020, I: Knee surgery, sports traumatology, arthroscopy : official journal of the ESSKA. 28, 1, s. 281-290 10 s.

**Translation, reliability, agreement and validity of the Turkish version of Cumulated Ambulation Score in patients with hip fracture**  
Çolak, İ., Mete, E., Kristensen, M. T. & Kuru Çolak, T., 2020, I: Joint Diseases and Related Surgery. 31, 2, s. 346-352 7 s.

**Preliminary effect and feasibility of physiotherapy with strength training and protein-rich nutritional supplement in combination with anabolic steroids in cross-continuum rehabilitation of patients with hip fracture: protocol for a blinded randomized controlled pilot trial (HIP-SAP1 trial)**  
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Andersen, C. W. & Kristensen, M. T., 1 sep. 2019, I: Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association. 28, 9, s. 2459-2467 9 s.

**The Barthel Index and the Cumulated Ambulation Score are superior to the de Morton Mobility Index for the early assessment of outcome in patients with a hip fracture admitted to an acute geriatric ward**  
Hulsbæk, S., Larsen, R. F., Rosthøj, S. & Kristensen, M. T., jun. 2019, I: Disability and rehabilitation. 41, 11, s. 1351-1359 9 s.

**Interrater reliability of the standardized Timed Up and Go Test when used in hospitalized and community-dwelling older individuals**  
Kristensen, M. T., Bloch, M. L., Jönsson, L. R. & Jakobsen, T. L., apr. 2019, I: Physiotherapy Research International. 24, 2, s. e1769 6 s., e1769.

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**High perceived caregiver burden for relatives of patients following hip fracture surgery**  
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**Priser**

**Best Paper of the Year: Efficacy of early controlled motion of the ankle compared with no motion in non-operative treatment of patients with an acute Achilles tendon rupture. An assessor blinded randomized controlled trial.**  
Barfod, K. W. (Modtager), Svennnergren Hansen, M. (Modtager), Hölmich, P. (Modtager), Kristensen, M. T. (Modtager) & Troelsen, A. (Modtager), 2018

**The Danish Physical Therapy Associations Special Research Award**  
Kristensen, M. T. (Modtager), 2010

## Academic supervision and evaluations:

### PhD-students:

- 2011 - 2014 Principal co-supervisor for Maria Patrocinio Ariza Vega, PT, OT, MSc, PhD, Universidad de Granada, Spain (Patients with hip fracture).  
2011 - 2015 Principal co-supervisor for Ilija Ban, MD, PhD, University of Copenhagen, (Patients with clavicle fractures).  
2014 Evaluation of PhD progress, 1 student, University of Copenhagen.  
2015 Evaluation committee member for abstracts, ISPO World Congress, Lyon, France.  
2013 - 2016 Principal supervisor for Lise Kronborg, PT, MSc, PhD, University of Copenhagen, Denmark (Patients with hip fracture).  
2013 - 2017 Co-supervisor for Dorte Melgaard Kristiansen, OT, MSc, PhD, North Denmark Regional Hospital, Aalborg University, Denmark (Patients with community acquired pneumonia).  
2014-2017 Principal co-supervisor for Christian Wied, MD, PhD, University of Copenhagen, Denmark (Patients with lower limb amputation).  
2018 - now Co-supervisor for Maria Svennnergren Hansen, PT, MSc, PhD-student, University of Copenhagen, Denmark (Patients with Achilles tendon rupture).  
2018 - now Principal supervisor for Signe Hulsbæk, PT, MSc, PhD-student University of Copenhagen, Denmark (Patients with hip fracture).  
2018 Assessment of PhD-application, University of Southern Denmark  
2019 Evaluation of PhD-project, University of Southern Denmark  
2019 Evaluation committee member for abstracts, ISPO World Congress, Kobe, Japan  
2020 - now Co-supervisor for Linette Marie Kofoed, PT, MR, PhD-student Örebro University, Sweden (Patients with COLD)  
2020 Evaluation committee member of PhD-thesis (lower limb amputations), OsloMet, Oslo Metropolitan University, Oslo, Norway (defense December 2021)

### MSc/MR-students:

- 2010 - 2012 Principal supervisor, Louise Lohmann Faber, OT, MSc, Faculty of Health Science, University of Copenhagen, Denmark (Patients with hip fracture).  
2011 - 2014 Role as Principal supervisor of MR-projekt for Linette Marie Kofoed, PT, MR, Frederikssund Hospital, University of Southern Denmark (Patients with acute exacerbation in chronic obstructive pulmonary disease).  
2012 - 2014 Role as principal supervisor of MSc-projekt for Jan Overgaard, PT, MSc, Lolland Municipality, University of Southern Denmark (Patients with hip fracture).  
2012-2014 Principal co-supervisor for Nadia Ørbæk, PT, MSc, Hvidovre Hospital, University of Southern Denmark (Patients with hip fracture).  
2013-2016 Principal supervisor for Maria Svennnergren Hansen, PT, MSc, Hvidovre Hospital, Lund University, Sweden (Patients with Achilles tendon rupture).  
2015-2016 Principal supervisor for Signe Hulsbæk, PT, MSc, Koege Hospital, University of Copenhagen, Denmark (Patients with hip fracture).  
2017 Co-supervisor for Daniel Kristensen, PT, MSc and Nikolaj Oddershær, PT, MSc. Ålborg University (amputee patients)  
2017-2019 Co-supervisor for Line Rokkedal Jønsson, PT, MR, MSc-student, Hvidovre Hospital, University of Southern Denmark (Patients after acute high-risk abdominal surgery)

### BSc-students:

- 2008 - now Co-supervisor of 8 Bachelor projects in Physical Therapy (Skodsborg, Copenhagen and Roskilde, School of Physiotherapy).

## STEERING COMMITTEES:

- 2012 - now Rapid Recovery – Zimmer-Biomet, Hip Fracture Fragility Fracture Reference Center at Amager-Hvidovre Hospital.  
2013 - now Physical Medicine and Rehabilitation Research–Copenhagen (PMR-C).  
2014 - 2017 Regional knowledge center for lower extremity amputee patients located at Amager-Hvidovre Hospital.  
2016 - now Copenhagen Research Center for Hip Fractures, Capital Region, Copenhagen, Denmark (not active).  
2020 – now Municipality based Danish Amputee prosthetic rehabilitation register  
2020 – now Hospital based Danish Amputee register

## **INVITED LECTURES – WEBINARS:**

2003-Hospitals: Silkeborg, Hillerød, Holbæk, Aalborg, Slagelse, Svendborg, Esbjerg, Holstebro.  
Municipalities: Vejle, Frederiksberg, Lyngby-Tårnæs, Gentofte og Rudersdal, Copenhagen, Sønderborg, Brøndby.  
2005National hip fracture workshop, Rigshospitalet. Title: "Mobilisation and rehabilitation after hip fracture".  
2010National Workshop - Rehabilitation after surgery, Rigshospitalet. Title: "Rehabilitation after hip fracture".  
2010Workshop, Capital region – Geriatric and Medical patients. Title: "What to do with the immobilized patient".  
2011National Conference – Implementation of research in clinical practice, Odense. Title: "Implementation of research in daily clinical practice".  
2011Workshop, Capital region, Denmark – Treatment of lower limb amputee patients: Title: "Challenges, research and assessment of quality".  
2012Regional amputee meeting, Hvidovre Hospital, Denmark: Title: "Cross-sectional guidelines for rehabilitation of lower limb amputee patients".  
2013International Amputee Congress, Hvidovre Hospital, Denmark: Title: "Use of the one-leg-stand-test in lower limb amputee patients".  
2013Swedish Orthopedic Congress, Uppsala, Sweden. Title: "Prediction of function after hip fracture".  
20143rd Fragility Fracture Network Global Congress, Madrid, Spain. Title: "In-hospital physiotherapy after acute hip fracture Surgery in Denmark".  
2016National conference – Rehabilitation after fracture, Odense, Denmark. Title: "Rehabilitation after hip fracture surgery"  
2016National hip fracture register day, Odense, Denmark. Title: "Do patients achieve the expected functional level"  
2016Pre-congress physio day, 5th Fragility Fracture Network Global Congress, Rome, Italy. Title: "Factors influencing rehabilitation outcome of patients with hip fracture"  
20165th Fragility Fracture Network Global Congress, Rome, Italy. Title: "Survey of physiotherapy care after hip fracture: initial results from Denmark and Australia"  
2017National Amputation Conference, Middelfart, Denmark: Title: "Use of the one-leg-stand-test and the Basic Amputee Mobility Score (BAMS) in lower limb amputee patients".  
2017Fragility Fracture Network Global Congress, Malmö, Sweden. Title: "Clinical practice guidelines for outcome measures in patients with hip fracture"  
2018Danish Physical Therapist Congress, Odense, Denmark. Title: The importance of early out of bed mobilization after hip fracture.  
2018Danish Physical Therapist Congress, Odense, Denmark. Title: Easily applicable measurements to assess signs of sarcopenia in daily clinical practice.  
20181st National seminar for learning and quality improvement for treatment of patients with hip fracture, Horsens, Denmark. Title: Mobilization and training after hip fracture  
20187th Fragility Fracture Network Global Congress, Dublin Ireland (pre-day). Title: Physical activity and how to enhance it after hip fracture.  
2018BACPAR, British Amputee Congress, Wolverhampton, UK (keynote). Title: The Basic Amputee Mobility Score (BAMS)/outcome measures  
20182nd National seminar for learning and quality improvement for treatment of patients with hip fracture, Odense, Denmark. Title: Mobilization and training after hip fracture  
2019Southern Region of Denmark. Title: The orthopedic hip – Hip fractures.  
2019Oslo Metropolitan University (OsloMET), Scientific amputee day, Oslo, Norway. Title: Development and validation of the Basic Amputee Mobility Score.  
2019National Norwegian FFN meeting, Oslo, Norway. 4 lectures, titles:  
1. Physical Therapists in a multidisciplinary team,  
2. Physical therapy after hip fracture - why, when and how - overview of the evidence, 3. Use of standardized outcome measures for the assessment of function after hip fracture,  
4. Exercise after surgery - (when) does strength training matter, recommended program for strength training after hip fracture.  
20198th Fragility Fracture Network Global Congress, Oxford, UK (+organizing committee + chair for workshop), titles:  
1. Progressive resistance exercise after hip fracture surgery –why and how to do it to maximize outcome in clinical practice (Physio pre-day),  
2. Using physiotherapy measures for short-term follow-up (full congress),  
3. Outcome measures recommended for clinical and research use by the APTA, Clinical Practice Guidelines: PT Management of Older Adults with Hip Fracture.  
2020Fragility Fracture Network Southern Europe Regional Expert meeting (virtual): panel member of workshop focused on exercise for preventing falls and fractures.  
2020Fragility Fracture Network Latin America Regional Expert meeting (virtual): panel member of workshop focused on the importance of early mobilization and ambulatory status after hip fracture.  
2020Zealand Region, Amputee webinar: lecturer on the Basic Amputee Mobility Score (BAMS)

## **CONGRESS PRESENTATIONS:**

2005 - nowMore than 50 abstracts presented at national or international conferences, including 2 World Congresses in Physical Therapy, 5 congresses (EFORT) arranged by the European Orthopedic Society, 1 ISPO World Congress, and 6 Fragility Fracture Network Global Congresses (Kristensen MT as first and presenting author).

Chaired or co-chaired 11 national/international congress sessions or symposias  
Member of the local organising committee for the 2017 FFN Global Network Congress, Malmö, Sweden. Member of the FFN, Toronto 2021 scientific committee  
2010 - nowMore than 60 abstracts presented at regional, national and international conferences by students or collaborators (Kristensen MT as senior author)

## **BOOK CHAPTERS:**

- Ortopædkirurgi for ergoterapeuter og fysioterapeuter. 1.udgave, Munksgaard, København 2009.  
page 67-75, accelerererede forløb i det ortopædkirurgiske speciale. Husted H, Holm G, Kristensen MT, Tingskov L, Kehlet H.
- Ergoterapi og Fysioterapi til Ældre. 1. udgave, Munksgaard, København 2012. Kapitel 5, Fald og Hoftebrud. Kristensen MT, Faber LL.

## **OCCATIONAL REVIEWER ASSIGNMENTS (in total > 25):**

2006 - nowClinical Rehabilitation, American Journal of Physical Medicine & Rehabilitation, Archives of Physical Medicine and Rehabilitation, Physiotherapy Theory and Practice, Acta Orthopaedica, Archives of Gerontology and Geriatrics, European Journal of Physical Medicine and Rehabilitation, Journal of Rehabilitation Medicine, Clinical Interventions in Ageing, BMJ Open, Disability & Rehabilitation, BMC Anaesthesiology, Prosthetics and Orthotics International, Age and Ageing, BMC Geriatrics, BMC Musculoskeletal Disorders, Injury, Journal of Cachexia Sarcopenia and Muscle, Physical Therapy.

## **EDITORIAL BOARD MEMBERSHIP:**

2010-2017World Journal of Orthopedics  
2020 - nowJoint Diseases and Related Surgery (international advisory board).

## **RESEARCH COORDINATION/SUPERVISION:**

2002 - nowIn-hospital rehabilitation and outcome measure projects for patients with hip fracture (since 2002), lower limb amputation (since 2010), Clavicle fractures (since 2011), Achilles Tendon Rupture (since 2013) major abdominal surgery (since 2014), and chronic obstructive pulmonary disease (since 2016), Departments of Physical Therapy and Orthopedic Surgery, Amager-Hvidovre Hospital, University of Copenhagen.  
2008 - nowRehabilitation and outcome measure projects for patients with hip fracture, outpatient setting, Lolland Municipality (Jan Overgaard)  
2010 - nowRehabilitation projects for patient's with lower limb amputation and diabetes, outpatient setting, Copenhagen Municipality (Kajsa Lindberg).  
2011 - 2014Rehabilitation projects for patients with acute exacerbation in chronic obstructive pulmonary disease, Frederikssund Hospital (Linette Marie Kofoed).  
2019 - Rehabilitation projects for older people and patients with hip fracture, outpatient setting, Ishøj/Vallensbæk Municipality, in preparation (Niklas Grundt Hansen)

## **RESEARCH COLLABORATION (international):**

2011 – nowResearch collaboration and MSc/PhD-student exchange with: Professor José J. Jiménez Moleón, MD, University of Granada, Spain; Professor Kathleen Kline Mangione, PT, Arcadia University, United States; and Professor Catherine Sherrington, PT, University of Sydney, Australia. Research/Scientific collaboration with: Professor Kathleen Kline Mangione, PT, Arcadia University, United States, Assistant Professor Christine M. McDonough, Boston University School of Public Health and Geisel School of Medicine at Dartmouth, United States; Professor Marcie Harris-Hayes, Washington University School of Medicine, United States; Physiatrist Giorgio Ferriero at Fondazione Salvatore Maugeri, IRCCS, Italy; Associate Professor Cecilia Rogmark, Skåne University Hospital Malmö/Lund University, Sweden; Associate Professor Terje Gjøvaag OsloMet, Oslo Metropolitan University, Norway; Professor Stefaan Nijs, UZ Leuven, Belgium. Katie Sheehan, UKRI Future Leaders Fellow | Lecturer Health Services Research/Rehabilitation Department of Population Health Sciences, School of Population Health & Environmental Sciences Faculty of Life Sciences & Medicine, King's College London.

## **TEACHING EXPERIENCE:**

2003-nowMore than 100 hours post graduate (BSc or MSc-level) lectures at courses, seminars, or meetings at University Hospitals, outpatient facilities, The Danish Physical Therapy Organization, The Capital region of Denmark, University of Southern Denmark and University of Copenhagen.

## **TRUSTED POSITIONS:**

2006-2008Board member and scientific coordinator for the Danish Physical Therapy Organization in the group developing and writing the National Referendum Program for Hip Fracture treatment in Denmark.

2011-2015Scientific coordinator and co-editor (with Kajsa Lindberg) for the Capital Regional amputee rehabilitation group developing and writing evidence and consensus-based guidelines for rehabilitation of patients with lower limb amputation.

2014 - 2021Group member (invited) for the development and writing Clinical Practice Guidelines for the physical therapy management of persons with fragility fracture of the hip. Collaboration between the Academy of Geriatric Physical Therapy and the Orthopedic Section of the American Physical Therapy Association's.

2015 - nowRepresenting the Danish Physical Therapy Organization in the National Register/database for patients with hip fracture in Denmark.

2017 - 2020The Danish Health Authorities, advisory board, national clinical guidelines.

2017 - 2020Member of the national expert team for quality improvement of the treatment for the older hip fracture patients in Denmark

2019 - now Co-lead with Professor Cathie Sherrington, Sydney University, Australia, of the international Fragility Fracture Network, physical therapy special interest group

2019 - Scientific coordinator and co-editor (with Alice Røpke and Signe Hulsbæk) for the Capital Regional hip fracture group revising and writing evidence and consensus-based guidelines for rehabilitation of patients with hip fracture.

2020 – nowMember of the scientific committee for the FFN Toronto 2021 congress

## FUNDED RESEARCH (in total 4.704.221 DKK):

2007 - nowMain or co-applicant:

Danish Physical Therapy Organization: 271.000 DKK (2007-2017, main applicant); Capital Region's research foundation: 510.000 DKK (2011, main applicant); IMK foundation: 592.000 DKK (2013, co-applicant) Hvidovre Hospital's research foundation: 100.000 DKK (2015, main applicant); Capital Region's research foundation: 750.000 DKK (2016, main applicant), Hvidovre Hospital's research foundation: 50.000 DKK (2017, co-applicant); Capital Region's cross-sectorial research foundation: 450.000 DKK (2017, main applicant). Research Foundation (strategic funds), Amager-Hvidovre Hospital: 166.371 DKK (2018, main applicant)

Applications by student's/collaborators:

Jan Overgaard, research PT, MSc, from 2009-2013: 166.500 DKK (Danish Physical Therapy Organization); Kajsa Lindberg, PT, 2011: 39.000 DKK (Danish Physical Therapy Organization); Linette Marie Kofod, research PT, MR, 2012: 125.000 DKK (North Zealand Hospital's Research Foundation), 2019: 122.600 DKK (Pulmonary Associationn); Lise Kronborg, PT, PhD-student from 2012-2014: 456.750 DKK (Danish Physical Therapy Organization), 100.000 DKK (Hvidovre Hospital's research foundation), 100.000 DKK (Lundbeck Foundation, MVU funds). Maria Swennergren Hansen,PT, MSc, PhD-student 2018: 250.000 DKK (The Danish Physical Therapist Organization fund), 2018: 90.000 DKK (The Research Foundation, Amager and Hvidovre Hospital). Signe Hulsbæk, PT, MSc, PhD-student; 2018: 69.000 DKK (Research Foundation, Amager-Hvidovre Hospital), 2018: 300.000 DKK (The Capital Region of Denmark, cross-continuum funds). Linette Marie Kofod, research PT, MR, 2019: 200.000 DKK (Research Foundation, Amager-Hvidovre Hospital) and 2020: 55.000 DKK (Danish Physical therapy Organization).