

Karl Bang Christensen

Professor, Professor

Section of Biostatistics

Section of Biostatistics

**Postal address:**

Postboks 2099, Øster Farimagsgade 5 opg. B, 1014 København K, 15 Øster

Farimagsgade 5

15-2-12

**Postal address:**

Øster Farimagsgade 5 opg. B

1353

København K

**Email:** [kach@sund.ku.dk](mailto:kach@sund.ku.dk)

**Fax:** +4535327629

**Phone:** +4535327491

**Web address:** <https://www.biostat.ku.dk/~kach>, <http://www.biostat.ku.dk/>,

<http://www.biostat.ku.dk/~kach>

## Employment

### Professor

Section of Biostatistics

København K, Denmark

31 Jul 2008 → nu

### Professor

Section of Biostatistics

København K, Denmark

1 Aug 2008 → nu

## Research outputs

### **A comparison of the original major depression inventory with a modified version: A Danish validation study**

Pedersen, H. S., Christensen, Karl Bang, Prior, A. & Christensen, K. S., 2024, In: *Acta Psychiatrica Scandinavica*. 149, 3, p. 267-278 12 p.

### **Neuropathic pain after surgery - A clinical validation study and assessment of accuracy measures of the 5-item NeuPPS scale**

Andersen, Kenneth Geving, Christensen, Karl Bang, Kehlet, Henrik & Mejdahl, M. K., 2024, In: *Scandinavian Journal of Pain*. 24, 1, 8 p.

### **Psychometric validation of the Danish version of the Major Depression Inventory using data from the Lolland-Falster health study (LOFUS)**

Christensen, Karl Bang, Packness, A., Simonsen, Erik & Brodersen, John Brandt, 2024, (E-pub ahead of print) In: *Nordic Journal of Psychiatry*. 10 p.

### **The dimensionality of the Perceived Stress Scale: The presence of opposing items is a source of measurement error**

Pedersen, H. S., Christensen, K. S., Prior, A. & Christensen, Karl Bang, 2024, In: *Journal of Affective Disorders*. 344, p. 485-494 10 p.

### **Functional performance tests, clinical measurements, and patient-reported outcome measures do not correlate as outcomes 1 year after anterior cruciate ligament reconstruction**

Al-Gburi, M., Kristiansen, J. B., Christensen, Karl Bang & Krogsgaard, Michael R., 2023, In: *Knee Surgery, Sports Traumatology, Arthroscopy*. 31, p. 5905-591 8 p.

### **Hepatic Fibrosis Evaluated in Patients with Type 2 Diabetes with and without Chronic Kidney Disease**

Adrian, T., Hornum, Mads, Knop, Filip Krag, Christensen, Karl Bang, Almdal, Thomas Peter, Rossing, Peter, Lídaa, L. Í., Heinrich, N. S., Boer, V. O., Marsman, A., Petersen, E. T., Siebner, Hartwig Roman & Feldt-Rasmussen, Bo, 2023, In:

Nephron. 147, 11, p. 673–684 12 p.

**Level of pain catastrophising determines if patients with long-standing subacromial impingement benefit from more resistance exercise: predefined secondary analyses from a pragmatic randomised controlled trial (the SExSI Trial)**

Clausen, M. B., Rathleff, M. S., Graven-Nielsen, T., Bandholm, Thomas Quaade, Christensen, Karl Bang, Hölmich, Per & Thorborg, Kristian, 2023, In: British Journal of Sports Medicine. 57, 13, p. 842–848 8 p.

**Measuring needs-based quality of life and self-perceived health inequity in patients with multimorbidity: investigating psychometric measurement properties of the MultiMorbidity Questionnaire (MMQ) using primarily Rasch models**

Bissenbakker, Kristine Henderson, Siersma, Volkert Dirk, Jønsson, Alexandra Brandt Ryborg, Møller, Anne, Christensen, Karl Bang & Brodersen, John Brandt, 2023, In: Journal of Patient-Reported Outcomes. 7, 1, 15 p., 94.

**Modeling local item dependence in C-tests with the loglinear Rasch model**

Baghaei, P. & Christensen, Karl Bang, 2023, In: Language Testing. 40, 3, p. 820-827 8 p.

**Pedi-IKDC exhibits questionable measurement properties in a cohort of pediatric patients with ACL rupture**

Hansen, C. F., Madsen, M. Ø., Warming, S., Lind, M., Faunø, P., Rathcke, M. W., Krogsgaard, Michael R. & Christensen, Karl Bang, 2023, In: Scandinavian Journal of Medicine & Science in Sports. 33, 9, p. 1831-1840 10 p.

**Psychosocial working conditions and sickness absence among younger employees in Denmark: a register-based cohort study using job exposure matrices**

Sørensen, J. K., Pedersen, J., Burr, H., Holm, A., Lallukka, T., Lund, Thomas, Melchior, M., Rod, Naja Hulvej, Rugulies, Reiner Ernst, Sivertsen, B., Stansfeld, S., Christensen, Karl Bang & Madsen, I. E. H., 2023, In: Scandinavian Journal of Work, Environment and Health. 49, 4, p. 249-258 10 p.

**Screening for anxiety and depression in clinical practice: Translating scores from WHO-5/ASS-2/MDI-2 to HADS**

Johnsen, N. F., Jensen, S. N., Christensen, Karl Bang, Pedersen, S. S., Helmark, C., Zwisler, A. & Gislason, Gunnar Hilmar, 2023, In: European Journal of Preventive Cardiology. p. 1689–1701 13 p.

**The Predictive Validity of the Danish Psychosocial Work Environment Questionnaire With Regard to Onset of Depressive Disorders and Long-Term Sickness Absence**

Clausen, T., Christensen, Karl Bang, Sørensen, J. K., Bjørner, Jakob Bue, Madsen, I. E. H., Borg, V. & Rugulies, Reiner Ernst, 2023, In: Annals of Work Exposures and Health. 67, 2, p. 195–207 13 p.

**The postgraduate medical educational climate assessed by the Danish Residency Educational Climate Test (DK-RECT): a validation and cross-sectional observational study**

Jacobsen, Rikke Vita Borre, Boor, K., Christensen, Karl Bang, Ung, V. H., Carlsen, Jørn, Kirk, Ole, Dziegiel, Morten Hanefeld, Østergaard, Elsebet, Rochat, Per Bjørnstad, Albrecht-Beste, Elisabeth, Droogh, M., Lapperre, T. S., Scheele, F. & Sorensen, Jette Led , 2023, In: BMC Medical Education. 23, 1, 13 p., 943.

**Visualizing Rasch item fit using conditional item characteristic curves in R**

Buchardt, A., Christensen, Karl Bang & Jensen, S. N., 2023, In: Psychological Test and Assessment Modeling. 2, p. 206 219 p.

**Assessing shoulder disability in orthopaedic specialist care: Introducing the Copenhagen Shoulder Abduction Rating (C-SAR)**

Clausen, M. B., Witten, Adam, Christensen, Karl Bang, Zebis, Mette Kreutzfeldt, Foverskov, M., Cools, A., Hölmich, Per & Thorborg, Kristian, 2022, In: Musculoskeletal Science and Practice. 61, 7 p., 102593.

**Crosswalking Patient-Reported Outcome Measures: It Matters What, Why, and How: Commentary on an article by Jessica L. Johnson, DPT, PhD, et al.: "Creating Crosswalks for Knee Outcomes After ACL Reconstruction Between the KOOS and the IKDC-SKF"**

Krogsgaard, Michael R., Comins, J. D., Brodersen, John Brandt & Christensen, Karl Bang, 2022, In: The Journal of bone and joint surgery. American volume. 104, 8, 2 p., e33.

**Development and Psychometric Validation of the Taste And Smell Tool for Evaluation (TASTE) Questionnaire**

Niklassen, A. S., Christensen, Karl Bang, Fjaeldstad, A. W. & Ovesen, T., 2022, In: Archives of otolaryngology (Chicago, Ill. : 1960). 148, 12, p. 1164-1172 9 p.

**Effectiveness of Adding a Large Dose of Shoulder Strengthening to Current Nonoperative Care for Subacromial Impingement: A Pragmatic, Double-Blind Randomized Controlled Trial (SExSI Trial): Response**

Clausen, M. B., Hölmich, Per, Rathleff, M. S., Bandholm, Thomas Quaade, Christensen, Karl Bang, Zebis, Mette Kreutzfeldt & Thorborg, Kristian, 2022, In: The American Journal of Sports Medicine. 50, 3, p. NP20-NP23 4 p.

**KOOS-Child exhibits inadequate structural validity in a cohort of paediatric patients with ACL deficiency**

Hansen, C. F., Madsen, M. O., Warming, S., Rathcke, M. W., Krogsgaard, Michael R. & Christensen, Karl Bang, 2022, In: British Journal of Sports Medicine. 56, 22, 8 p.

**Patient Reported Outcome Measures for Rheumatoid Arthritis Disease Activity: a systematic review following COSMIN guidelines**

Pickles, T., Macefield, R., Aiyegbusi, O. L., Beecher, C., Horton, M., Christensen, Karl Bang, Phillips, R., Gillespie, D. & Choy, E., 2022, In: RMD Open. 8, 1, 15 p.

**Psychological well-being and worries among pregnant women in the first trimester during the early phase of the COVID-19 pandemic in Denmark compared with a historical group: A hospital-based cross-sectional study**

Broberg, L., Rom, A. L., de Wolff, M. G., Høgh, S., Nathan, N., Paarlberg, L. D., Christensen, Karl Bang, Damm, Peter & Hegaard, Hanne Kristine, 2022, In: Acta Obstetrica et Gynecologica Scandinavica. 101, 2, p. 232-240 13 p.

**The effect of COVID-19 on schoolteachers' emotional reactions and mental health: longitudinal results from the CLASS study**

Nabe-Nielsen, Kirsten, Christensen, Karl Bang, Fuglsang, N. V., Larsen, I. & Nilsson, Charlotte Juul, 2022, In: International Archives of Occupational and Environmental Health. 95, 4, p. 855–865 11 p.

**Validation of the Copenhagen Hip and Groin Outcome Score (HAGOS) using modern test theory across different cultures and languages: a cross-sectional study of 452 male athletes with groin pain**

Christensen, Karl Bang, Clausen, M. B., King, E., Franklyn-Miller, A., Haroy, J., Andersen, T. E., Hölmich, Per & Thorborg, Kristian, 2022, In: British Journal of Sports Medicine. 54, 6, p. 333–339 7 p.

**Psychometric properties of a condition-specific PROM for the psychosocial consequences of Labelling hypertension by using Rasch analysis**

Gyuricza, J. V., Christensen, Karl Bang, d'Oliveira, A. F. P. L. & Brodersen, John Brandt, Dec 2021, In: Journal of Patient-Reported Outcomes. 5, 1, 17 p., 19.

**Patient safety culture improves during an in situ simulation intervention: a repeated cross-sectional intervention study at two hospital sites**

Schram, A., Paltved, C., Christensen, Karl Bang, Kjaergaard-Andersen, G., Jensen, H. I. & Kristensen, S., Mar 2021, In: BMJ Open Quality. 10, 1

**Clinicians' heuristic assessments of radiographs compared with Kellgren-Lawrence and Ahlbäck ordinal grading: An exploratory study of knee radiographs using paired comparisons**

Pedersen, M. M., Mongelard, K. B. G., Mørup-Petersen, A., Christensen, Karl Bang & Odgaard, Anders, 2021, In: BMJ Open. 11, 3, 9 p., e041793.

**Effectiveness of Adding a Large Dose of Shoulder Strengthening to Current Nonoperative Care for Subacromial Impingement: A Pragmatic, Double-Blind Randomized Controlled Trial (SExSI Trial)**

Clausen, M. B., Hölmich, Per, Rathleff, M., Bandholm, Thomas Quaade, Christensen, Karl Bang, Zebis, M. K. & Thorborg, Kristian, 2021, In: American Journal of Sports Medicine. 49, 11, p. 3040-3049 10 p.

**Exploratory data structure comparisons: three new visual tools based on principal component analysis\***

Petersen, Anne Helby, Markussen, Bo & Christensen, Karl Bang, 2021, In: Journal of Applied Statistics. 48, 9, p. 1675-1695 21 p.

**Five-Month Follow-up Shows No Improvement in Dermatological Complications in Children With Type 1 Diabetes Using Continuous Glucose Monitoring Systems and Insulin Pumps**

Weng, A. T., Zachariae, Claus, Christensen, Karl Bang, Svensson, Jannet & Berg, A. K., 2021, In: Journal of Diabetes Science and Technology. 15, 2, p. 317-323 7 p.

**How to translate and locally adapt a PROM: Assessment of cross-cultural differential item functioning**

Krogsgaard, Michael R., Brodersen, John Brandt, Christensen, Karl Bang, Siersma, Volkert Dirk, Jensen, J., Hansen, C. F., Engebretsen, L., Visnes, H., Forssblad, M. & Comins, J. D., 2021, In: Scandinavian Journal of Medicine & Science in Sports. 31, 5, p. 999-1008 10 p.

**Lifestyle Habits among Pregnant Women in Denmark during the First COVID-19 Lockdown Compared with a Historical Period-A Hospital-Based Cross-Sectional Study**

Hegaard, Hanne Kristine, Rom, A. L., Christensen, Karl Bang, Broberg, L., Hogh, S., Christiansen, C. H., Nathan, N. O., de Wolff, M. G. & Damm, Peter, 2021, In: International Journal of Environmental Research and Public Health. 18, 13, 13 p., 7128.

**Longitudinal symptom burden in adult patients with acute leukaemia participating in the PACE-AL randomised controlled exercise trial-an explorative analysis**

Jarden, Mary Ellen, Møller, Tom, Christensen, Karl Bang, Buchardt, A., Kjeldsen, L. & Adamsen, L., 2021, In: European Journal of Cancer Care. 30, 5, 14 p., 13462.

**Psychometric validation of PROM instruments: Article four in a series of ten**

Christensen, Karl Bang, Comins, J. D., Krogsgaard, Michael R., Brodersen, John Brandt, Jensen, J., Hansen, C. F. & Kreiner, Svend, 2021, In: Scandinavian Journal of Medicine and Science in Sports. 31, 6, p. 1225-1238 14 p.

**Responsiveness, minimal important difference, minimal relevant difference, and optimal number of patients for a study**

Comins, J. D., Brodersen, John Brandt, Christensen, Karl Bang, Jensen, J., Hansen, C. F. & Krogsgaard, Michael R., 2021, In: Scandinavian Journal of Medicine & Science in Sports. 31, 6, p. 1239-1248 10 p.

**The Voice-Related Quality of Life (V-RQOL) Instrument: Cross-Cultural Translation and Test of Validity and Reliability of the Danish Version**

Wulff, N. B., Møller, P. R., Christensen, Karl Bang, Pedersen, S. G., Wessel, Irene, Dalton, Susanne Oksbjerg & Homøe, Preben, 2021, In: Journal of Voice. 35, 5, p. 806.e7-806.e14 8 p.

**The development and initial validation of the Breast Cancer Recurrence instrument (BreastCaRe)-a patient-reported outcome measure for detecting symptoms of recurrence after breast cancer**

Hoeg, B. L., Saltbaek, L., Christensen, Karl Bang, Karlsen, R. V., Johansen, Christoffer, Dalton, Susanne Oksbjerg, Bennett, A. & Bidstrup, Pernille Envold Hansen, 2021, In: Quality of Life Research. 30, p. 2671-2682 12 p.

**What is a PROM and why do we need it? Article 1 in a series of 10**

Krogsgaard, Michael R., Brodersen, John Brandt, Christensen, Karl Bang, Siersma, Volkert Dirk, Kreiner, Svend, Jensen, J., Hansen, C. F. & Comins, J. D., 2021, In: Scandinavian Journal of Medicine and Science in Sports. 31, 5, p. 967-971 5 p.

**Chronic rhinosinusitis in COPD: A prevalent but unrecognized comorbidity impacting health related quality of life**

Arndal, E., Sørensen, A. L., Lapperre, T. S., Said, N., Trampedach, C., Aanæs, Kasper, Alanin, M. C., Christensen, Karl Bang, Backer, Vibeke & von Buchwald, Christian, 2020, In: Respiratory Medicine. 171, 106092.

**Contextualized attribution: How young unemployed people blame themselves and the system and the relationship between blame and subjective well-being**

Pultz, S., Teasdale, T. W. & Christensen, Karl Bang, 2020, In: Nordic Psychology (Online). 72, 2, p. 146-167

**Early Prediction of One-Year Mortality in Ischemic and Haemorrhagic Stroke**

Liljehult, J., Christensen, T. & Christensen, Karl Bang, 2020, In: Journal of Stroke & Cerebrovascular Diseases. 29, 4, 104667.

**Early initiated postoperative rehabilitation enhances quality of life in patients with operable lung cancer: Secondary outcomes from a randomized trial**

Sommer, M. S., Vibe-Petersen, J., Staerkind, M. B., Langer, Seppo W., Larsen, Klaus Richter, Trier, K., Christensen, M., Clementsen, P. F., Missel, M., Christensen, Karl Bang, Lillelund, C., Langberg, Henning, Pedersen, J. H. & Quist, Morten, 2020, In: Lung Cancer. 146, p. 285-289 5 p.

**Effects of a physical activity program from diagnosis on cardiorespiratory fitness in children with cancer: a national non-randomized controlled trial**

Nielsen, M. K. F., Christensen, J. F., Frandsen, T. L., Thorsteinsson, Troels, Andersen, L. B., Christensen, Karl Bang, Wehner, P. S., Hasle, H., Adamsen, L. O., Schmiegelow, Kjeld & Larsen, Hanne Bækgaard, 2020, In: BMC Medicine. 18, 1, 12 p., 175.

**Effects of an exercise intervention for patients with advanced inoperable lung cancer undergoing chemotherapy: A randomized clinical trial**

Quist, Morten, Langer, Seppo W., Lillelund, C., Winther, L., Laursen, J. H., Christensen, Karl Bang, Rorth, M. & Adamsen, L., 2020, In: Lung Cancer. 145, p. 76-82 7 p.

**Felodipine and renal function in lung transplantation: A randomized placebo-controlled trial**

Hornum, Mads, Iversen, M., Oturai, P., Andersen, M. J., Zemtsovski, M., Bredahl, P., Bjarnason, N. H., Christensen, Karl Bang, Carlsen, Jørn, Møller, Christian H., Feldt-Rasmussen, Bo & Perch, Michael, 2020, In: Journal of Heart and Lung Transplantation. 39, 6, p. 541-550 12 p.

**Incidences of obstetric outcomes and sample size calculations: a Danish national registry study based on all deliveries from 2008 to 2015**

Hoegh, S., Thellesen, L., Christensen, Karl Bang, Bergholt, Thomas, Hedegaard, M. & Sorensen, Jette Led , 2020, In: Acta Obstetrica et Gynecologica Scandinavica. 99, 1, p. 34-41 8 p.

**Making the best of the worst: Care quality during emergency cesarean sections**

Andersen, Betina Ristorp, Rasmussen, M. B., Christensen, Karl Bang, Engel, K. G., Ringsted, C., Løkkegaard, Ellen Christine Leth & xgz472, xgz472, 2020, In: PLoS ONE. 15, 2, 13 p., e0227988.

**Physical deterioration and adaptive recovery in physically inactive breast cancer patients during adjuvant chemotherapy: a randomised controlled trial**

Møller, Tom, Andersen, C., Lillelund, C., Bloomquist, K., Christensen, Karl Bang, Ejlertsen, Bent Laursen, Tuxen, M., Oturai, P., Breitenstein, U., Kolind, C., Travis, P., Bjerg, T., Rørth, M. & Adamsen, L., 2020, In: Scientific Reports. 10, 1, 15 p., 9710.

**Psychometric Validation of the Danish Version of the Oswestry Disability Index in Patients with Chronic Low Back Pain**

Comins, J., Brodersen, John Brandt, Wedderkopp, N., Lassen, M. R., Shakir, H., Specht, K., Brorson, Stig & Christensen, Karl Bang, 2020, In: Spine. 45, 16, p. 1143-1150 8 p.

**Rapid decline in <sup>51</sup>Cr-ethylenediaminetetraacetic acid-measured renal function during the first weeks following liver transplantation**

Hornum, Mads, Penninga, L., Rostved, A. A., Christensen, Karl Bang, Oturai, P., Plagborg, U., Feldt-Rasmussen, Bo, Hillingsø, Jens Georg & Rasmussen, A., 2020, In: Nephrology, Dialysis, Transplantation. 35, 3, p. 519-526 7 p.

**The Hidradenitis Suppurativa Quality of Life (HiSQOL) score: development and validation of a measure for clinical trials**

Kirby, J. S., Thorlacius, L., Villumsen, B., Ingram, J. R., Garg, A., Christensen, Karl Bang, Butt, M., Esmann, S., Tan, J. & Jemec, Gregor, 2020, In: British Journal of Dermatology. 183, 2, p. 340-348 9 p.

**Validation and assessment of minimally clinically important difference of the unadjusted Health Assessment Questionnaire in a Danish cohort: uncovering ordinal bias**

Ørnbjerg, L. M., Christensen, Karl Bang, Tennant, A. & Hetland, Merete Lund, 2020, In: Scandinavian Journal of Rheumatology. 49, 1

**'Same, but different': A mixed-methods realist evaluation of a cluster-randomized controlled participatory organizational intervention**

Abildgaard, J. S., Nielsen, K., Wählén-Jacobsen, C. D., Maltesen, T., Christensen, Karl Bang & Holtermann, A., 2020, In: Human Relations. 73, 10, p. 1339-1365 27 p.

**Relationship Between Patient-Reported Outcome Measures and the Severity of Chronic Obstructive Pulmonary Disease in the Context of an Innovative Digitally Supported 24-Hour Service: Longitudinal Study**

Lindskrog, S., Christensen, Karl Bang, Osborne, Richard Harry, Vingtoft, S., Phanareth, K. & Kayser, Lars, 2 Jun 2019, In: Journal of Medical Internet Research. 21, 6, 12 p., e10924.

**Development and Validation of a Screening Tool for Surgery-Specific Neuropathic Pain: Neuropathic Pain Scale for Postsurgical Patients**

Mejdahl, M. K., Christensen, Karl Bang & Andersen, K. G., 2019, In: Pain Physician. 22, 2, p. E81-E90 10 p.

**Equivalence of using a desktop virtual reality science simulation at home and in class**

Makransky, Guido, Mayer, R. E., Veitch, N., Hood, M., Christensen, Karl Bang & Gadegaard, H., 2019, In: PLoS ONE. 14, 4, 14 p., e0214944.

**Gastrointestinal motility in patients with end-stage renal disease on chronic hemodialysis**

Broberg, B., Madsen, J. L., Fuglsang, S., Holst, Jens Juul, Christensen, Karl Bang, Rydahl, C., Idorn, T., Feldt-Rasmussen, Bo & Hornum, Mads, 2019, In: Neurogastroenterology and Motility. 31, 4, e13554.

**Heavy-load resistance exercise during chemotherapy in physically inactive breast cancer survivors at risk for lymphedema: a randomized trial**

Bloomquist, K., Adamsen, L., Hayes, S. C., Lillelund, C., Andersen, C., Christensen, Karl Bang, Oturai, P., Ejlersen, Bent Laursen, Tuxen, M. K. & Møller, T., 2019, In: Acta Oncologica. 58, 12, p. 1667-1675 9 p.

**Pre-hospital management of acute stroke patients eligible for thrombolysis - an evaluation of ambulance on-scene time**

Drenck, N., Viereck, S., Bækgaard, J. S., Christensen, Karl Bang, Lippert, F. & Folke, Fredrik, 2019, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 27, 8 p., 3.

**Psychopathy in a forensic sample - the factor structure of the PCL:SV in a Danish forensic sample**

Bo, S., Pedersen, L., Christensen, Karl Bang & Rasmussen, K., 2019, In: Scandinavian Journal of Psychology. 60, 5, p. 447-455 9 p.

**Rasch validation of the Danish version of the shoulder pain and disability index (SPADI) in patients with rotator cuff-related disorders**

Christensen, Karl Bang, Thorborg, Kristian, Hölmich, Per & Clausen, M. B., 2019, In: Quality of Life Research. 28, 3, p. 795-800 6 p.

**The Danish Psychosocial Work Environment Questionnaire (DPQ): Development, content, reliability and validity**

Clausen, T., Madsen, I. E., Christensen, Karl Bang, Bjørner, Jakob Bue, Poulsen, O. M., Maltesen, T., Borg, V. & Rugulies, Reiner Ernst, 2019, In: Scandinavian Journal of Work, Environment & Health. 45, 4, p. 256-369 14 p.

**Validation of a health screening questionnaire for primary care using Rasch models**

Comins, J. D., Freund, K. S., Christensen, Karl Bang, Lous, J. & Brodersen, John Brandt, 2019, In: Journal of Patient-Reported Outcomes. 3, 10 p., 12.

**The Strengthening Exercises in Shoulder Impingement trial (The SExSI-trial) investigating the effectiveness of a simple add-on shoulder strengthening exercise programme in patients with long-lasting subacromial impingement syndrome: Study protocol for a pragmatic, assessor blinded, parallel-group, randomised, controlled trial**

Clausen, M. B., Bandholm, Thomas Quaade, Rathleff, M. S., Christensen, Karl Bang, Zebis, M. K., Graven-Nielsen, T., Hölmich, Per & Thorborg, Kristian, 2 Mar 2018, In: Trials. 19, 17 p., 154.

**Needs and preferences among patients with high-grade glioma and their caregivers - A longitudinal mixed methods study**  
Piil, K., Jakobsen, J., Christensen, Karl Bang, Juhler, Marianne, Guetterman, T. C., Fetters, M. D. & Jarden, Mary Ellen, Mar 2018, In: European Journal of Cancer Care. 27, 2, p. 1-13 e12806.

**Heavy-Load Lifting: Acute Response in Breast Cancer Survivors at Risk for Lymphedema**

Bloomquist, K., Oturai, P., Steele, M. L., Adamsen, L., Møller, Tom, Christensen, Karl Bang, Ejlersen, B. & Hayes, S. C., Feb 2018, In: Medicine and Science in Sports and Exercise. 50, 2, p. 187-195 9 p.

**A Multidimensional Tool Based on the eHealth Literacy Framework: Development and Initial Validity Testing of the eHealth Literacy Questionnaire (eHLQ)**

Kayser, Lars, Karnoe, A., Lauritzen, Dorthe Furstrand, Batterham, R., Christensen, Karl Bang, Elsworth, G. & Osborne, Richard Harry, 2018, In: Journal of Medical Internet Research. 20, 2, 10 p., e36.

**Assessing Competencies Needed to Engage With Digital Health Services: Development of the eHealth Literacy Assessment Toolkit**

Karnoe, A., Lauritzen, Dorthe Furstrand, Christensen, Karl Bang, Nørgaard, O. & Kayser, Lars, 2018, In: Journal of Medical Internet Research. 20, 5, 13 p., e178.

**Changes in Health-Related Quality of Life During Rehabilitation in Patients With Operable Lung Cancer: A Feasibility Study (PROLUCA)**

Sommer, M. S., Trier, K., Vibe-Petersen, J., Christensen, Karl Bang, Missel, M., Christensen, M., Larsen, K. R., Langer, S. W., Hendriksen, C., Clementsen, P. F., H. Pedersen, J. & Langberg, Henning, 2018, In: Integrative Cancer Therapies. 17, 2, p. 388-400 13 p.

**Conservative treatment for patients with subacromial impingement: Changes in clinical core outcomes and their relation to specific rehabilitation parameters**

Clausen, M. B., Merrild, M. B., Witten, A., Christensen, Karl Bang, Zebis, M. K., Hölmich, Per & Thorborg, Kristian, 2018, In: PeerJ. 6, 20 p., e4400.

**Early initiated postoperative rehabilitation reduces fatigue in patients with operable lung cancer: A randomized trial**

Quist, Morten, Sommer, M. S., Vibe-Petersen, J., Stærkind, M. B., Langer, Seppo W., Larsen, Klaus Richter, Trier, K., Christensen, M., Clementsen, P. F., Missel, M., Henriksen, C., Christensen, Karl Bang, Lillelund, C., Langberg, Henning & Pedersen, J. H., 2018, In: Lung Cancer. 126, p. 125-132 8 p.

**Effects of a lighter, smaller football on acute match injuries in adolescent female football: a pilot cluster-randomized controlled trial**

Zebis, M. K., Thorborg, Kristian, Andersen, L. L., Møller, M., Christensen, Karl Bang, Clausen, M. B., Hölmich, Per, Wedderkopp, N., Andersen, T. B. & Krstrup, P., 2018, In: The Journal of Sports Medicine and Physical Fitness. 58, 5, p. 644-650

**Measuring bothersome menopausal symptoms: development and validation of the MenoScores questionnaire**

Lund, K. S., Siersma, Volkert Dirk, Christensen, Karl Bang, Waldorff, Frans Boch & Brodersen, John Brandt, 2018, In: Health and Quality of Life Outcomes. 16, 12 p., 97.

**SAS macros for longitudinal IRT models**

Olsbjerg, M. & Christensen, Karl Bang, 2018, In: PeerJ PrePrints. 6, 36 p., e26740v1.

**Testing physical function in children undergoing intense cancer treatment-a RESPECT feasibility study**

Nielsen, M. K. F., Christensen, J. F., Frandsen, T. L., Thorsteinsson, Troels, Andersen, L. B., Christensen, Karl Bang, Nersting, J., Faber, M., Schmiegelow, Kjeld & Larsen, H. B., 2018, In: Pediatric Blood & Cancer. 65, 8, 9 p., e27100.

**Glenohumeral and scapulothoracic strength impairments exists in patients with subacromial impingement, but these are not reflected in the shoulder pain and disability index**

Clausen, M. B., Witten, A., Holm, K., Christensen, Karl Bang, Attrup, M. L., Hölmich, Per & Thorborg, Kristian, 17 Jul 2017, In: BMC Musculoskeletal Disorders. 18, 10 p., 302.

**Assessment of short and long-term outcomes of diabetes patient education using the health education impact questionnaire (HeiQ)**

Hjorth Lauersen, D., Christensen, Karl Bang, Christensen, Ulla & Frøhlich, A., 15 Jun 2017, In: BMC Research Notes. 10, p. 1-9 9 p., 213.

**Spanish Version of Actinic Keratosis Quality of Life Questionnaire (AKQoL)**

Alarcon, I., Vinding, G. R., Christensen, Karl Bang, Esmann, S., Malvehy, J., Puig, S. & Jemec, Gregor, Jun 2017, In: Journal of the European Academy of Dermatology and Venereology. 31, 6, p. 986–991 6 p.

**Knowledge deficit, attitude and behavior scales association to objective measures of sun exposure and sunburn in a Danish population based sample**

Køster, B., Søndergaard, J., Nielsen, J. B., Christensen, Karl Bang, Allen, M., Olsen, A. & Bentzen, J., 25 May 2017, In: PLoS ONE. 12, 5, p. 1-17 17 p., e0178190.

**Development of a written assessment for a national interprofessional cardiocography education program**

Thellesen, L., Bergholt, Thomas, Hedegaard, M., Colov, N. S. P., Christensen, Karl Bang, Andersen, K. S. & Sorensen, Jette Led , 18 May 2017, In: B M C Medical Education. 17, 1, 9 p., 88.

**Critical Values for Yen's  $Q_3$ : Identification of Local Dependence in the Rasch Model Using Residual Correlations**

Christensen, Karl Bang, Makransky, Guido & Horton, M., 1 May 2017, In: Applied Psychological Measurement. 41, 3, p. 178-194 17 p.

**Do Different Training Conditions Facilitate Team Implementation? A Quasi-Experimental Mixed Methods Study**

Nielsen, K., Randall, R. & Christensen, Karl Bang, 1 Apr 2017, In: Journal of Mixed Methods Research. 11, 2, p. 223-247 25 p.

**A randomised, placebo-controlled trial of transcranial pulsed electromagnetic fields in patients with multiple chemical sensitivity**

Tran, M. T. D., Skovbjerg, S., Arendt-Nielsen, L., Christensen, Karl Bang & Elberling, Jesper Vraamark, 2017, In: Acta Neuropsychiatrica. 29, 5, p. 267-277

**Cardiorespiratory fitness and physical function in children with cancer from diagnosis throughout treatment**

Thorsteinsson, Troels, Larsen, H. B., Schmiegelow, Kjeld, Thing, L. F., Krstrup, P., Pedersen, Mogens Theisen, Christensen, Karl Bang, Mogensen, P. R., Helms, A. S. & Andersen, L. B., 2017, In: BMJ Open Sport & Exercise Medicine. 3, 10 p., e000179.

**FGF21 Is a Sugar-Induced Hormone Associated with Sweet Intake and Preference in Humans**

Søberg, S., Sandholt, C. H., Z. Jespersen, N., Toft, U., L. Madsen, A., Holstein-Rønsbo, Stephanie, Grevengoed, Trisha Jean, Christensen, Karl Bang, Bredie, Wender, Potthoff, M. J., P. J. Solomon, T., Schéele, Camilla Charlotte Nielsen, Linneberg, Allan René, Jørgensen, T., Pedersen, Oluf Borbye, Hansen, Torben, Gillum, M. P. & Grarup, Niels, 2017, In: Cell Metabolism. 25, 5, p. 1045-1053 9 p.

**Repeatability of Volume and Regional Body Composition Measurements of the Lower Limb Using Dual-energy X-ray Absorptiometry**

Gjorup, C. A., Zerahn, B., Juul, S., Hendel, Helle Westergren, Christensen, Karl Bang & Hølmich, Lisbet Rosenkrantz, 2017, In: Journal of Clinical Densitometry. 20, 1, p. 82–96 15 p.

**Psychometric analysis of the Patient Health Questionnaire in Danish patients with an implantable cardioverter defibrillator: (The DEFIB-WOMEN study)**

Pedersen, S. S., Mathiasen, K., Christensen, Karl Bang & Makransky, Guido, Nov 2016, In: Journal of Psychosomatic Research. 90, p. 105-112 8 p.

**Self-rated health as a predictor of outcomes of type 2 diabetes patient education programmes in Denmark**

Laursen, D. H., Christensen, Karl Bang, Christensen, Ulla & Frølich, Anne, Oct 2016, In: Public Health. 139, p. 170-177 8 p.



**Modified Ashworth scale and spasm frequency score in spinal cord injury: reliability and correlation**

Baunsgaard, C. B., Nissen, U. V., Christensen, Karl Bang & Biering-Sørensen, Fin, Sep 2016, In: Spinal Cord. 54, 9, p. 702-708 7 p.

**Physical and emotional well-being of survivors of childhood and young adult allo-SCT: A Danish national cohort study**

Jensen, J. N., Gøtzsche, F., Heilmann, C., Sengeløv, Henrik, Adamsen, L., Christensen, Karl Bang & Larsen, H. B., Aug 2016, In: Pediatric Transplantation. 20, 5, p. 697-706 10 p.

**A randomized cross-over trial to detect differences in arm volume after low- and heavy-load resistance exercise among patients receiving adjuvant chemotherapy for breast cancer at risk for arm lymphedema: study protocol**

Bloomquist, K., Hayes, S., Adamsen, L., Møller, Tom, Christensen, Karl Bang, Ejlersen, Bent Laursen & Oturai, P., 22 Jul 2016, In: B M C Cancer. 16, 8 p., 517.

**Strengthening leadership as a catalyst for enhanced patient safety culture: a repeated cross-sectional experimental study**

Kristensen, S., Christensen, Karl Bang, Jaquet, A., Beck, C. M., Sabroe, S., Bartels, P. & Mainz, J., 13 May 2016, In: B M J Open. 6, 5, p. 1-10 10 p., e010180.

**Safety and Efficacy of Liraglutide in Patients With Type 2 Diabetes and End-Stage Renal Disease: An Investigator-Initiated, Placebo-Controlled, Double-Blinded, Parallel Group, Randomized Trial**

Idorn, T., Knop, Filip Krag, Jørgensen, M. B., Jensen, T., Resuli, M., Hansen, P. M., Christensen, Karl Bang, Holst, Jens Juul, Hornum, Mads & Feldt-Rasmussen, Bo, Feb 2016, In: Diabetes Care. 39, 2, p. 206-13 8 p.

**Efficacy of recreational football on bone health, body composition, and physical functioning in men with prostate cancer undergoing androgen deprivation therapy: 32-week follow-up of the FC prostate randomised controlled trial**

Uth, J., Hornstrup, T., Christensen, J. F., Christensen, Karl Bang, Jørgensen, N. R., Schmidt, J. F., Brasso, K., Jakobsen, M. D., Sundstrup, E., Andersen, L. L., Rørth, M. R., Midtgaard, Julie, Krstrup, P. & Helge, Eva Wulff, 2016, In: Osteoporosis International. 27, 4, p. 1507-1518 12 p.

**Football training in men with prostate cancer undergoing androgen deprivation therapy: activity profile and short-term skeletal and postural balance adaptations**

Uth, J., Hornstrup, T., Christensen, J. F., Christensen, Karl Bang, Jørgensen, N. R., Helge, Eva Wulff, Schmidt, J. F., Brasso, K., Helge, Jørn Wulff, Jakobsen, M. D., Andersen, L. L., Rørth, M. R., Midtgaard, Julie & Krstrup, P., 2016, In: European Journal of Applied Physiology. 116, 3, p. 471-480 10 p.

**Hospitalization for transurethral bladder resection reduces quality of life in Danish patients with non-muscle-invasive bladder tumour**

Mogensen, K., Christensen, Karl Bang, Vrang, M. & Hermann, G. G., 2016, In: Scandinavian Journal of Urology. 50, 3, p. 170-174 5 p.

**Self-reported previous knee injury and low knee function increase knee injury risk in adolescent female football**

Clausen, M. B., Tang, L., Zebis, M. K., Krstrup, P., Hölmich, Per, Wedderkopp, N., Andersen, L. L., Christensen, Karl Bang, Møller, M. & Thorborg, Kristian, 2016, In: Scandinavian Journal of Medicine & Science in Sports. 26, 8, p. 919-926 8 p.

**Modeling local dependence in longitudinal IRT models**

Larsen, M. O. & Christensen, Karl Bang, Dec 2015, In: Behavior Research Methods. 47, 4, p. 1413-1424 12 p.

**Does Group-Level Commitment Predict Employee Well-Being? A Prospective Analysis**

Clausen, T., Christensen, Karl Bang & Nielsen, K., Nov 2015, In: Journal of occupational and environmental medicine / American College of Occupational and Environmental Medicine. 57, 11, p. 1141-1146 6 p.

**%lrasch\_mml: A SAS Macro for Marginal Maximum Likelihood Estimation in Longitudinal Polytomous Rasch Models**

Larsen, M. O. & Christensen, Karl Bang, 7 Oct 2015, In: Journal of Statistical Software. 67, Code Snippet 2, p. 1-24 24 p.

**Health-related quality of life in patients with high-grade gliomas: a quantitative longitudinal study**

Piil, K., Jakobsen, J., Christensen, Karl Bang, Juhler, Marianne & Jarden, Mary Ellen, Sep 2015, In: Journal of Neuro-Oncology. 124, 2, p. 185-95 11 p.

**The Impact of a Multidimensional Exercise Intervention on Physical and Functional Capacity, Anxiety, and Depression in Patients With Advanced-Stage Lung Cancer Undergoing Chemotherapy**

Quist, Morten, Adamsen, L., Rørth, M., Laursen, J. H., Christensen, Karl Bang & Langer, Seppo W., Jul 2015, In: Integrative Cancer Therapies. 14, 4, p. 341-349 9 p.

**Negative affect is associated with development and persistence of chemical intolerance: A prospective population-based study**

Skovbjerg, S., Christensen, Karl Bang, Ebstrup, J. F., Linneberg, Allan René, Zachariae, R. & Elberling, Jesper Vraamark, May 2015, In: Journal of Psychosomatic Research. 78, 5, p. 509-514 6 p.

**Adaption and validation of the Safety Attitudes Questionnaire for the Danish hospital setting**

Kristensen, S., Sabroe, S., Bartels, P., Mainz, J. & Christensen, Karl Bang, 2 Feb 2015, In: Clinical Epidemiology. 7, p. 149-160 12 p.

**Development of knowledge tests for multi-disciplinary emergency training: a review and an example**

Sorensen, Jette Led , Thellesen, L., Strandbygaard, J., Svendsen, K. D., Christensen, Karl Bang, Johansen, M., Langhoff-Roos, P., Ekelund, K., Ottesen, B. & Van der Vleuten, C., Jan 2015, In: Acta Anaesthesiologica Scandinavica. 59, 1, p. 123-133 11 p.

**The challenge of preserving cardiorespiratory fitness in physically inactive patients with colon or breast cancer during adjuvant chemotherapy: A randomised feasibility study**

Møller, Tom, Lillelund, C., Andersen, C., Bloomquist, K., Christensen, Karl Bang, Ejlersen, Bent Laursen, Nørgaard, L., Wiedenbein, L., Oturai, P., Breitenstein, U. & Adamsen, L., 2015, In: BMJ Open Sport and Exercise Medicine. 1, 14 p., e000021.

**The effect of pain on physical functioning after breast cancer treatment: development and validation of an assessment tool**

Andersen, K. G., Christensen, Karl Bang, Kehlet, Henrik & Bidstrup, P. E., 2015, In: Clinical Journal of Pain. 31, 9, p. 794-802 9 p.

**Interpretation of the Skin Cancer Quality of Life Score: A Validated Quality of Life Questionnaire for Non-Melanoma Skin Cancer**

Vinding, G. R., Esmann, S., Olesen, A. B., Hansen, Lone Bak, Christensen, Karl Bang & Jemec, Gregor, Oct 2014, In: Dermatology. 229, 2, p. 123-129 7 p.

**A longitudinal exploration of 'Four Critical Moments' during treatment trajectory in patients with operable lung cancer and the feasibility of an exercise intervention: a research protocol**

Missel, M., Pedersen, J. H., Hendriksen, C., Tewes, M., Christensen, Karl Bang & Adamsen, L., Aug 2014, In: Journal of Advanced Nursing. 70, 8, p. 1915-1925 11 p.

**Analyses of Model Fit and Robustness. A New Look at the PISA Scaling Model Underlying Ranking of Countries According to Reading Literacy**

Kreiner, Svend & Christensen, Karl Bang, Apr 2014, In: Psychometrika. 79, 2, p. 210-231 22 p.

**A multi-wave study of organizational justice at work and long-term sickness absence among employees with depressive symptoms**

Hjarsbech, P. U., Christensen, Karl Bang, Bjørner, Jakob Bue, Madsen, I. E. H., Thorsen, S. V., Carneiro, I. G., Christensen, Ulla & Rugulies, Reiner Ernst, Mar 2014, In: Scandinavian Journal of Work, Environment & Health. 40, 2, p. 176-85 10 p.

#### **Impact of the severity of trauma on early retirement**

Kuhlman, M. B., Lohse, N., Sørensen, A. M., Larsen, C. F., Christensen, Karl Bang & Steinmetz, Jacob, Mar 2014, In: *Injury*. 45, 3, p. 618-23 6 p.

#### **Lack of consensus on tests and criteria for generalized joint hypermobility, Ehlers–Danlos syndrome: Hypermobile type and joint hypermobility syndrome**

Remvig, L., Flycht, L., Christensen, Karl Bang & Juul-Kristensen, B., Mar 2014, In: *American Journal of Medical Genetics. Part A*. 164, 3, p. 591-596 6 p.

#### **Heavy resistance training and lymphedema: prevalence of breast cancer-related lymphedema in participants of an exercise intervention utilizing heavy load resistance training**

Bloomquist, K., Karlsmark, Tonny, Christensen, Karl Bang & Adamsen, L., Feb 2014, In: *Acta oncologica (Stockholm, Sweden)*. 53, 2, p. 216-225 10 p.

#### **Football training improves lean body mass in men with prostate cancer undergoing androgen deprivation therapy**

Uth, J., Hornstrup, T., Schmidt, J. F., Christensen, J. F., Frandsen, C., Christensen, Karl Bang, Helge, Eva Wulff, Brasso, K., Rørth, M. R., Midtgaard, Julie & Krstrup, P., 2014, In: *Scandinavian Journal of Medicine & Science in Sports*. 24, Suppl. 1, p. 105-112 8 p.

#### **High injury incidence in adolescent female soccer**

Clausen, M. B., Zebis, M. K., Møller, M., Krstrup, P., Hölmich, Per, Wedderkopp, N., Andersen, L. L., Christensen, Karl Bang & Thorborg, Kristian, 2014, In: *American Journal of Sports Medicine*. 42, 10, p. 2487-2494 8 p.

#### **Prediction of future labour market outcome in a cohort of long-term sick-listed Danes**

Pedersen, J., Gerds, Thomas Alexander, Bjørner, Jakob Bue & Christensen, Karl Bang, 2014, In: *BMC Public Health*. 14, p. 1-11 11 p., 494.

#### **Quality of life in non-melanoma skin cancer—the skin cancer quality of life (SCQoL) questionnaire**

Vinding, G. R., Christensen, Karl Bang, Esmann, S., Olesen, A. B. & Jemec, Gregor, Dec 2013, In: *Dermatologic Surgery*. 39, 12, p. 1784-93 10 p.

#### **Safety and efficacy of liraglutide in patients with type 2 diabetes and end-stage renal disease: protocol for an investigator-initiated prospective, randomised, placebo-controlled, double-blinded, parallel intervention study**

Idorn, T., Knop, Filip Krag, Jørgensen, M., Jensen, T., Resuli, M., Hansen, P. M., Christensen, Karl Bang, Holst, Jens Juul, Hornum, Mads & Feldt-Rasmussen, Bo, 26 Apr 2013, In: *B M J Open*. 3, 4, p. 1-10 11 p., e002764.

#### **"EXHALE": exercise as a strategy for rehabilitation in advanced stage lung cancer patients: a randomized clinical trial comparing the effects of 12 weeks supervised exercise intervention versus usual care for advanced stage lung cancer patients**

Quist, M., Langer, Seppo W., Rørth, M., Christensen, Karl Bang & Adamsen, L., 2013, In: *B M C Cancer*. 13, p. 477

#### **A longitudinal, qualitative and quantitative exploration of daily life and need for rehabilitation among patients with high-grade gliomas and their caregivers**

Piil, K., Jarden, Mary Ellen, Jakobsen, J., Christensen, Karl Bang & Juhler, Marianne, 2013, In: *BMJ Open*. 3, 7, p. e003183

#### **Assessing the influence of actinic keratosis on patients' quality of life - The AKQoL questionnaire**

Esmann, S., Vinding, G. R., Christensen, Karl Bang & Jemec, Gregor, 2013, In: *British Journal of Dermatology*. 168, 2, p. 277-83 7 p.

#### **At cancer diagnosis: a 'window of opportunity' for behavioural change towards physical activity. A randomised feasibility study in patients with colon and breast cancer**

Møller, Tom, Lillelund, H. C. D., Andersen, C., Ejlersen, Bent Laursen, Nørgaard, L., Christensen, Karl Bang, Vadstrup, E., Diderichsen, Finn, Hendriksen, C., Bloomquist, K. & Adamsen, L., 2013, In: *B M J Open*. 3, 11, e003556.

## **Conditional Maximum Likelihood Estimation in Polytomous Rasch Models using SAS**

Christensen, Karl Bang, 2013, In: ISRN Computational Mathematics. 2013

### **Dimensionality**

Horton, M., Marais, I. & Christensen, Karl Bang, 2013, *In: Rasch Models in Health*. Christensen KB Kreiner S, M. M. (ed.). Wiley, p. 137-157 21 p.

### **Do psychosocial working conditions modify the effect of depressive symptoms on long-term sickness absence?**

Hjarsbech, P. U., Christensen, Karl Bang, Andersen, R. V., Borg, V., Aust, B. & Rugulies, Reiner Ernst, 2013, In: *American Journal of Industrial Medicine*. 56, 11, p. 1329-1340 12 p.

### **Effects of recreational soccer in men with prostate cancer undergoing androgen deprivation therapy: study protocol for the 'FC Prostate' randomized controlled trial**

Uth, J., Schmidt, J. F., Christensen, J. F., Hornstrup, T., Andersen, L. J., Hansen, Peter Riis, Christensen, Karl Bang, Andersen, L. L., Helge, Eva Wulff, Brasso, K., Rørth, M. R., Krustup, P. & Midtgaard, Julie, 2013, In: *B M C Cancer*. 13, 10 p., 595.

### **Estimation of Item Parameters**

Christensen, Karl Bang, 2013, *In: Rasch Models in Health*. Christensen KB Kreiner S, M. M. (ed.). Wiley, p. 49-61 13 p.

### **Item Fit Statistics**

Christensen, Karl Bang & Kreiner, Svend, 2013, *In: Rasch Models in Health*. Christensen KB Kreiner S, M. M. (ed.). Wiley, p. 83-103 21 p.

### **Marginal and conditional approaches to longitudinal Rasch models**

Olsbjerg, M. & Christensen, Karl Bang, 2013, In: *Pub. Inst. Stat. Univ. Paris*. 57, p. 109-126 18 p.

### **Marginal maximum likelihood estimation in polytomous Rasch models using SAS**

Christensen, Karl Bang & Olsbjerg, M., 2013, In: *Pub. Inst. Stat. Univ. Paris*. 57, p. 69-84 16 p.

### **Overall Tests of the Rasch Model**

Kreiner, Svend & Christensen, Karl Bang, 2013, *In: Rasch Models in Health*. Christensen KB Kreiner S, M. M. (ed.). Wiley, p. 105-109 5 p.

### **Patient Activation through Counseling and Exercise – Acute Leukemia (PACE-AL) – a randomized controlled trial**

Jarden, M., Møller, Tom, Kjeldsen, L., Birgens, H., Christensen, J. F., Christensen, Karl Bang, Diderichsen, Finn, Hendriksen, C. & Adamsen, L., 2013, In: *B M C Cancer*. 13, p. 1-13 13 p., 446.

### **Person Parameter Estimation and Measurement in Rasch Models**

Kreiner, Svend & Christensen, Karl Bang, 2013, *In: Rasch Models in Health*. Christensen KB Kreiner S, M. M. (ed.). Wiley, p. 63-77 15 p.

### **Psychosocial work environment factors and weight change: a prospective study among Danish health care workers**

Gram Quist, H., Christensen, Ulla, Christensen, Karl Bang, Aust, B., Borg, V. & Bjørner, Jakob Bue, 2013, In: *BMC Public Health*. 13, p. 43

### **Rasch Models in Health**

Christensen, Karl Bang, Kreiner, Svend & Mesbah, M., 2013, Wiley.

### **Study protocol: Rehabilitation including social and physical activity and education in children and teenagers with cancer (RESPECT)**

Thorsteinsson, Troels, Helms, A. S., Adamsen, L., Andersen, L. B., Andersen, K. V., Christensen, Karl Bang, Halse, H., Heilmann, C., Hejgaard, N., Johansen, Christoffer, Madsen, M., Madsen, S. A., Simovska, V., Strange, B., Thing, L. F., Wehner, P. S., Schmiegelow, K. & Larsen, H. B., 2013, In: *B M C Cancer*. 13, 1, 7 p., 544.

**The transition between work, sickness absence and pension in a cohort of Danish colorectal cancer survivors**  
Carlsen, K., Harling, H., Pedersen, J., Christensen, Karl Bang & Osler, Merete, 2013, In: *BMJ Open*. 3, 2, 002259.

**To what extent do single symptoms from a depression rating scale predict risk of long-term sickness absence among employees who are free of clinical depression?**  
Rugulies, R., Hjarsbech, P., Aust, B., Christensen, Karl Bang, Andersen, R. & Borg, V., 2013, In: *International Archives of Occupational and Environmental Health*. 86, 7, p. 735-739 5 p.

**Transcranial pulsed electromagnetic fields for multiple chemical sensitivity: Study protocol for a randomized, double-blind, placebo-controlled trial**  
Tran, M. T. D., Skovbjerg, S., Arendt-Nielsen, L., Christensen, Karl Bang & Elberling, Jesper Vraamark, 2013, In: *Trials*. 14, 1, 256.

#### **Two Tests of Local Independence**

Kreiner, Svend & Christensen, Karl Bang, 2013, In: *Rasch Models in Health*. Christensen KB Kreiner S, M. M. (ed.). Wiley, p. 131-136 6 p.

#### **Visualizing Transitions between Multiple States - Illustrated by Analysis of Social Transfer Payments**

Pedersen, J., Bjrner, Jakob Bue & Christensen, Karl Bang, 2013, In: *Journal of Biometrics & Biostatistics*. 4, 5

#### **Diagnostic delay, quality of life and patient satisfaction among women diagnosed with endometrial or ovarian cancer: a nationwide Danish study**

Robinson, K. M., Christensen, Karl Bang, Ottesen, B. & Krasnik, Allan, Nov 2012, In: *Quality of Life Research*. 21, 9, p. 1519-25 7 p.

#### **Transitions between sickness absence, work, unemployment, and disability in Denmark 2004-2008**

Pedersen, J., Bjrner, Jakob Bue, Burr, H. & Christensen, Karl Bang, Nov 2012, In: *Scandinavian Journal of Work, Environment & Health*. 38, 6, p. 516-26 11 p.

#### **Low birth weight is associated with earlier onset of end-stage renal disease in Danish patients with autosomal dominant polycystic kidney disease**

Orskov, B., Christensen, Karl Bang, Feldt-Rasmussen, Bo & Strandgaard, S., May 2012, In: *Kidney International*. 81, 9, p. 919-24 6 p.

#### **Safety and feasibility of a combined exercise intervention for inoperable lung cancer patients undergoing chemotherapy: a pilot study**

Quist, M., Rørth, M., Langer, S., Jones, L. W., Laursen, J. H., Pappot, H., Christensen, Karl Bang & Adamsen, L., Feb 2012, In: *Lung Cancer*. 75, 2, p. 203-8 6 p.

#### **Evaluation of the Quick Environmental Exposure and Sensitivity Inventory in a Danish Population**

Skovbjerg, S., Berg, N., Eberling, J. & Christensen, Karl Bang, 2012, In: *Journal of Environmental and Public Health*. 304314.

#### **Increased long-term mortality after a high perioperative inspiratory oxygen fraction during abdominal surgery: follow-up of a randomized clinical trial**

Meyhoff, Christian Sylvest, Jrgensen, Lars Nannestad, Wetterslev, J., Christensen, Karl Bang, Rasmussen, L. S. & PROXI Trial Group, P. T. G., 2012, In: *Anesthesia and Analgesia*. 115, 4, p. 849-54 6 p.

#### **Socio-demographic factors, comorbidity and diagnostic delay among women diagnosed with cervical, endometrial or ovarian cancer: a nationwide survey in Denmark**

Robinson, K. M., Christensen, Karl Bang, Ottesen, B. S. & Krasnik, Allan, Sep 2011, In: *European Journal of Cancer Care*. 20, 5, p. 653-661 9 p.

### **Item Screening in Graphical Loglinear Rasch Models**

Kreiner, Svend & Christensen, Karl Bang, Apr 2011, In: Psychometrika. 76, 2, p. 228-256 29 p.

### **Do managers experience more stress than employees? Results from the Intervention Project on Absence and Well-being (IPAW) study among Danish managers and their employees.**

Skakon, Janne, Kristensen, T. S., Christensen, Karl Bang, Lund, T. & Labriola, M., 1 Feb 2011, In: Work: A Journal of Prevention, Assessment & Rehabilitation. 38, 2, p. 103-109 7 p.

### **Sickness absence associated with shared and open-plan offices - a national cross sectional questionnaire survey**

Pejtersen, J. H., Feveile, H., Christensen, Karl Bang & Burr, H., 1 Jan 2011, In: Scandinavian Journal of Work, Environment and Health, Supplement. 37, 5, p. 376-382 7 p.

### **Clinical and non-clinical depressive symptoms and risk of long-term sickness absence among female employees in the Danish eldercare sector**

Hjarsbech, P., Andersen, R. V., Christensen, Karl Bang, Aust, B. & Rugulius, R., 2011, In: Journal of Affective Disorders. 129, 1-3, p. 87-93 7 p.

### **Exact evaluation of bias in rasch model residuals**

Kreiner, Svend & Christensen, Karl Bang, 2011, *Advances in Mathematics Research*. Baswell, A. R. (ed.). 1 ed. New York: Nova Science Publishers, Vol. 12. p. 19-40 21 p.

### **Return to work among employees with long-term sickness absence in eldercare: a prospective analysis of register-based outcomes**

Clausen, T., Andersen, M. F., Christensen, Karl Bang & Lund, T., 2011, In: International Journal of Rehabilitation Research. 34, 3, p. 249-254

### **The attribution of work environment in explaining gender differences in long-term sickness absence: results from the prospective DREAM study**

Labriola, M., Holte, K. A., Christensen, Karl Bang, Feveile, H., Alexanderson, K. & Lund, T., 2011, In: Occupational and Environmental Medicine. 68, 9, p. 703-705 3 p.

### **Impact of physical inactivity on subcutaneous adipose tissue metabolism in healthy young male offspring of patients with type 2 diabetes**

Højbjerg, L., Sonne, M., Alibegovic, A., Dela, Flemming, Vaag, A., Bruun, J. M., Christensen, Karl Bang & Stallknecht, Bente Merete, Nov 2010, In: Diabetes. 59, 11, p. 2790-2798 90 p.

### **Impact of burnout and psychosocial work characteristics on future long-term sickness absence. Prospective results of the Danish PUMA-study among human service workers**

Borritz, M., Christensen, Karl Bang, Bültmann, U., Rugulies, Reiner Ernst, Lund, T., Andersen, Ingelise, Villadsen, E., Diderichsen, Finn, Kristensen, T. & Bültmann, U., Oct 2010, In: Journal of Occupational and Environmental Medicine. 52, 10, p. 964-970 7 p.

### **Developing New Ways of Evaluating Organizational-Level Interventions**

Nielsen, K., Randall, R. & Christensen, Karl Bang, 13 Aug 2010, *Contemporary Occupational Health Psychology: Global Perspectives on Research and Practice, Volume 1*. Wiley-Blackwell, p. 21-45 25 p.

### **The impact of self-reported exposure to whole-body-vibrations on the risk of disability pension among men: a 15 year prospective study**

Tüchsen, F., Feveile, H., Christensen, Karl Bang & Krause-Kjær, V. N., 3 Jun 2010, In: B M C Public Health. 10, 305, 6 p.

### **The fraction of disability pensions attributable to smoking and obesity. Results from a 15-year follow-up study**

Lund, T., Labriola, M., Feveile, H. & Christensen, Karl Bang, Jun 2010, In: Journal of Public Health. 18, 3, p. 251-254 4 p.

### **New Onset Diabetes Mellitus after Kidney Transplantation in Denmark**

Hornum, M., Jørgensen, K. A., Hansen, J. M., Nielsen, Finn Thomsen, Christensen, Karl Bang, Mathiesen, E. & Feldt-Rasmussen, Bo, Apr 2010, In: Clinical Journal of American Society of Nephrology. 5, 4, p. 709-716 8 p.

**Changing job-related burnout after intervention—a quasi-experimental study in six human service organizations**

Andersen, Ingelise, Borritz, M., Christensen, Karl Bang & Diderichsen, Finn, 2010, In: Journal of Occupational and Environmental Medicine. 52, 3, p. 318-23 5 p.

**Does training managers enhance the effects of implementing teamworking? A longitudinal, mixed methods field study**

Nielsen, K., Randall, R. & Christensen, Karl Bang, 2010, In: Human Relations. 63, 11, p. 1719-1741 23 p.

**Effect of physical exercise interventions on musculoskeletal pain in all body regions among office workers: A one-year randomized controlled trial**

Andersen, L. L., Christensen, Karl Bang, Holtermann, A., Poulsen, O. M., Sjøgaard, G., Pedersen, Mogens Theisen & Hansen, E. A., 2010, In: Manual Therapy. 15, 1, p. 100-104 5 p.

**Monte Carlo tests of the Rasch model based on scalability coefficients**

Christensen, Karl Bang & Kreiner, Svend, 2010, In: British Journal of Mathematical and Statistical Psychology. 63, Pt 1, p. 101-11 10 p.

**Positive work-related states and long-term sickness absence: A study of register-based outcomes**

Clausen, T., Christensen, Karl Bang & Borg, V., 2010, In: Scandinavian Journal of Public Health. 38, 3, p. 51-58 8 p.

**Precision of coherence analysis to detect cerebral autoregulation by near-infrared spectroscopy in preterm infants**

Hahn, G., Christensen, Karl Bang, Leung, T. & Greisen, Gorm, 2010, In: Journal of Biomedical Optics. 15, 3, p. 037002

**Diagnostic delay experienced among gynecological cancer patients: a nationwide survey in Denmark**

Robinson, K. M., Ottesen, B., Christensen, Karl Bang, Krasnik, Allan, Robinson, K. M., Ottesen, B., Christensen, K. B. & Krasnik, A., 1 Jan 2009, In: Acta Obstetrica et Gynecologica Scandinavica. 88, 6, p. 685-92 8 p.

**Differences between day and nonday workers in exposure to physical and psychosocial work factors in the Danish eldercare sector**

Nabe-Nielsen, Kirsten, Tüchsen, F., Christensen, Karl Bang, Garde, A. H. & Diderichsen, Finn, 2009, In: Scandinavian Journal of Work, Environment & Health. 35, 1, p. 48-55 7 p.

**Differences in sickness absence in Sweden and Denmark: the cross national HAKNAK study**

Lund, T., Christensen, Karl Bang, Vaez, M., Labriola, M., Josephson, M., Villadsen, E. & Voss, M., 2009, In: European Journal of Public Health. 19, 3, p. 343-9 6 p.

**Effects of tonabersat on migraine with aura: a randomised, double-blind, placebo-controlled crossover study**

Hauge, A. W., Asghar, M. S., Schytz, H. W., Christensen, Karl Bang, Olesen, Jes, Hauge, A. W., Asghar, M. S., Schytz, H. W., Christensen, K. & Olesen, Jes, 2009, In: Lancet Neurology. 8, 8, p. 718-23 5 p.

**Long-term consequences of postoperative cognitive dysfunction**

Steinmetz, Jacob, Christensen, Karl Bang, Lund, Thomas, Lohse, N., Rasmussen, L. S. & ISPOCD Group, I. G., 2009, In: Anesthesiology. 110, 3, p. 548-55 7 p.

**Penetrerende traumer behandlet af akutlaegebilen i København**

Petersen, J. A., Christensen, Karl Bang & Steinmetz, Jacob, 2009, In: Ugeskrift for læger. 171, 41, p. 2982-5 3 p.

**Self-reported noise exposure as a risk factor for long-term sickness absence**

Clausen, T., Christensen, Karl Bang, Lund, Thomas & Kristiansen, J., 2009, In: Noise & Health. 11, 43, p. 93-7 4 p.

**Self-reported occupational skin contact with cleaning agents and the risk of disability pension**

Fevæile, H., Christensen, Karl Bang & Flyvholm, M., 2009, In: Contact Dermatitis. 60, 3, p. 131-5 4 p.

**The impact of ergonomic work environment exposures on the risk of disability pension: Prospective results from DWECS/DREAM**

Labriola, M., Feveile, H., Christensen, Karl Bang, Strøyer, J. & Lund, T., 2009, In: Ergonomics. 52, 11, p. 1419-22 3 p.

**The impact of job satisfaction on the risk of disability pension. A 15-year prospective study**

Labriola, Merete, Feveile, H., Christensen, Karl Bang, Bültmann, U. & Lund, Thomas, 2009, In: Scandinavian Journal of Public Health. 37, 7, p. 778-80 2 p.

**Work injuries and disability**

Tüchsen, F., Christensen, Karl Bang, Feveile, H. & Dyreborg, J., 2009, In: Journal of Safety Research. 40, 1, p. 21-4 3 p.

**A 15-year prospective study of shift work and disability pension**

Tuchsen, F., Christensen, Karl Bang, Lund, T. & Feveile, H., 2008, In: Occupational and Environmental Medicine. 65, 4, p. 283-285 2 p.

**Comparison of two self-reported measures of physical work demands in hospital personnel: a cross-sectional study**

Nabe-Nielsen, Kirsten, Fallentin, N., Christensen, Karl Bang, Jensen, J. N. & Diderichsen, Finn, 2008, In: BMC Musculoskeletal Disorders. 9, p. 61

**Does evening work predict sickness absence among female carers of the elderly?**

Tüchsen, F., Christensen, Karl Bang, Nabe-Nielsen, Kirsten & Lund, Thomas, 2008, In: Scandinavian Journal of Work, Environment & Health. 34, 6, p. 483-6 3 p.

**Explaining the social gradient in long-term sickness absence: a prospective study of Danish employees**

Christensen, Karl Bang, Labriola, Merete, Lund, T. & Kivimäki, M., 2008, In: Journal of Epidemiology & Community Health. 62, 2, p. 181-183 2 p.

**Severe depressive symptoms as predictor of disability pension: a 10-year follow-up study in Denmark**

Bültmann, U., Christensen, Karl Bang, Burr, H., Lund, T. & Rugulies, Reiner Ernst, 2008, In: European Journal of Public Health. 18, 3, p. 232-234 2 p.

**Shift work and sickness absence**

Tuchsen, F., Christensen, Karl Bang & Lund, T., 2008, In: Occupational Medicine. 58, 4, p. 302-304 2 p.

**Socioeconomic differences in the association between sickness absence and mortality: The prospective DREAM study of Danish private sector employees**

Lund, T., Kivimäki, M., Christensen, Karl Bang & Labriola, M., 2008, In: Occupational and Environmental Medicine.

**The impact of psychosocial work environment factors on the risk of disability pension in Denmark**

Christensen, Karl Bang, Feveile, H., Labriola, Merete & Lund, T., 2008, In: European Journal of Public Health. 18, 3, p. 235-237 2 p.

**Using the Rasch model for prediction**

Christensen, Karl Bang, 1 Dec 2007, *Psychological Tests and Testing Research Trends*. Nova Science Publishers, p. 295-310 16 p.

**The contribution of the psychosocial work environment to sickness absence in human service workers: Results of a 3-year follow-up study**

Rugulies, Reiner Ernst, Christensen, Karl Bang, Borritz, M., Villadsen, E., Bültmann, U. & Kristensen, T. S., 1 Oct 2007, In: Work and Stress. 21, 4, p. 293-311 19 p.

**Analyzing sickness absence with statistical models for survival data**

Christensen, Karl Bang, Andersen, Per Kragh, Smith-Hansen, L., Nielsen, M. L. & Kristensen, T. S., 2007, In: Scandinavian Journal of Work, Environment & Health. 33, 3, p. 233-9 6 p.



**Does self-efficacy predict return-to-work after sickness absence? A prospective study among 930 employees with sickness absence for three weeks or more**

Labriola, Merete, Lund, Thomas, Christensen, Karl Bang, Albertsen, K., Bültmann, U., Jensen, J. N. & Villadsen, E., 2007, In: *Work : A journal of Prevention, Assessment and rehabilitation*. 29, 3, p. 233-8 5 p.

**Latent Covariates in Generalized Linear Models: A Rasch Model Approach**

Christensen, Karl Bang, 2007, *Advances in Statistical Methods for the Health Sciences*.

**Predictors of disability pension over a 10-year period for men and women**

Albertsen, K., Lund, T., Christensen, Karl Bang, Kristensen, T. S. & Villadsen, E., 2007, In: *Scandinavian Journal of Public Health*. 35, 1, p. 78-85 7 p.

**The impact of health behaviour on long term sickness absence: results from DWECS/DREAM**

Christensen, Karl Bang, Lund, Thomas, Labriola, Merete, Bültmann, U. & Villadsen, E., 2007, In: *Industrial Health*. 45, 2, p. 348-51 3 p.

**Using administrative sickness absence data as a marker of future disability pension: the prospective DREAM study of Danish private sector employees**

Lund, T., Kivimaki, M., Labriola, Merete, Villadsen, E. & Christensen, Karl Bang, 2007, In: *Occupational and Environmental Medicine*. 65, 1, p. 28-31 3 p.

**Validity and Objectivity in Health-Related Scales: Analysis by Graphical Loglinear Rasch Models**

Christensen, Karl Bang, 2007, *Multivariate and Mixture Distribution Rasch Models*.

**Success or failure? Interpreting and understanding the impact of interventions in four similar worksites**

Nielsen, K., Fredslund, H., Christensen, Karl Bang & Albertsen, K., 1 Jul 2006, In: *Work and Stress*. 20, 3, p. 272-287 16 p.

**Burnout as a predictor of self-reported sickness absence among human service workers: Prospective findings from three year follow up of the PUMA study**

Borritz, M., Rugulies, Reiner Ernst, Christensen, Karl Bang, Villadsen, E. & Kristensen, T. S., 1 Feb 2006, In: *Occupational and Environmental Medicine*. 63, 2, p. 98-106 9 p.

**Depressive symptoms and the risk of long-term sickness absence: a prospective study among 4747 employees in Denmark**

Bültmann, U., Rugulies, Reiner Ernst, Lund, T., Christensen, Karl Bang, Labriola, M. & Burr, H., 2006, In: *Social Psychiatry and Psychiatric Epidemiology*. 41, 11, p. 875-80 5 p.

**Fitting polytomous Rasch models in SAS**

Christensen, Karl Bang, 2006, In: *Journal of Applied Measurement*. 7, 4, p. 407-17 10 p.

**From Rasch scores to regression**

Christensen, Karl Bang, 2006, In: *Journal of Applied Measurement*. 7, 2, p. 184-91 7 p.

**Fysisk belastende arbejde øger risikoen for langtidssygefravaer--sekundaerpublikation**

Lund, T., Labriola, M., Christensen, Karl Bang, Bültmann, U. & Villadsen, E., 2006, In: *Ugeskrift for læger*. 168, 34, p. 2814-6 2 p.

**Multilevel analysis of individual and contextual factors as predictors of return to work**

Labriola, M., Lund, T., Christensen, Karl Bang & Kristensen, T. S., 2006, In: *Journal of Occupational and Environmental Medicine*. 48, 11, p. 1181-8 7 p.

**Multilevel analysis of workplace and individual risk factors for long-term sickness absence**

Labriola, Merete, Christensen, Karl Bang, Lund, T., Nielsen, M. L. & Diderichsen, Finn, 2006, In: Journal of Occupational and Environmental Medicine. 48, 9, p. 923-9 6 p.

**Physical work environment risk factors for long term sickness absence: prospective findings among a cohort of 5357 employees in Denmark**

Lund, Thomas, Labriola, Merete, Christensen, Karl Bang, Bültmann, U. & Villadsen, E., 2006, In: BMJ. British Medical Journal (International Ed.). 332, 7539, p. 449-52 3 p.

**Psychosocial work environment and registered absence from work: estimating the etiologic fraction**

Nielsen, M. L., Rugulies, Reiner Ernst, Smith-Hansen, L., Christensen, Karl Bang & Kristensen, T. S., 2006, In: American Journal of Industrial Medicine. 49, 3, p. 187-96 9 p.

**Psychosocial work environment predictors of short and long spells of registered sickness absence during a 2-year follow up**

Nielsen, M. L., Rugulies, Reiner Ernst, Christensen, Karl Bang, Smith-Hansen, L. & Kristensen, T. S., 2006, In: Journal of Occupational and Environmental Medicine. 48, 6, p. 591-8 7 p.

**Return to work among sickness-absent Danish employees: prospective results from the Danish Work Environment Cohort Study/National Register on Social Transfer Payments**

Lund, T., Labriola, M., Christensen, Karl Bang, Bültmann, U. & Villadsen, E., 2006, In: International Journal of Rehabilitation Research. 29, 3, p. 229-35 6 p.

**Psychosocial work characteristics as predictors for burnout: findings from 3-year follow up of the PUMA Study**

Borritz, M., Bültmann, U., Rugulies, Reiner Ernst, Christensen, Karl Bang, Villadsen, E. & Kristensen, T. S., 2005, In: Journal of Occupational and Environmental Medicine. 47, 10, p. 1015-25 10 p.

**Psychosocial work environment exposures as risk factors for long-term sickness absence among Danish employees: results from DWECS/DREAM**

Lund, T., Labriola, M., Christensen, Karl Bang, Bültmann, U., Villadsen, E. & Burr, H., 2005, In: Journal of Occupational and Environmental Medicine. 47, 11, p. 1141-7 6 p.

**The effect on human eye blink frequency of exposure to limonene oxidation products and methacrolein**

Nøjgaard, J. K., Christensen, Karl Bang & Wolkoff, P., 2005, In: Toxicology Letters. 156, 2, p. 241-51 10 p.

**Workplace levels of psychosocial factors as prospective predictors of registered sickness absence**

Christensen, Karl Bang, Nielsen, M. L., Rugulies, Reiner Ernst, Smith-Hansen, L. & Kristensen, T. S., 2005, In: Journal of Occupational and Environmental Medicine. 47, 9, p. 933-40 7 p.

**Analysis of Local Dependence and Multidimensionality in Graphical Loglinear Rasch Models**

Christensen, Karl Bang, Dec 2004, In: Communications in Statistics - Theory and Methods.

**Impact of the psychosocial work environment on registered absence from work: A two-year longitudinal study using the IPAW cohort**

Nielsen, Martin, Rugulies, Reiner Ernst, Christensen, Karl Bang, Smith-Hansen, L., Bjørner, Jakob Bue & Kristensen, T. S., 1 Oct 2004, In: Work and Stress. 18, 4, p. 323-335 13 p.

**The distinction between work pace and working hours in the measurement of quantitative demands at work**

Kristensen, T. S., Bjørner, Jakob Bue, Christensen, Karl Bang & Borg, V., 1 Oct 2004, In: Work and Stress. 18, 4, p. 305-322 18 p.

**Testing the Fit of Latent Regression Models**

Christensen, Karl Bang & Kreiner, Svend, 2004, In: Communications in Statistics - Theory and Methods.

## Education

- Ph.d. degree in Biostatistics, University of Copenhagen, 2003
- Master degree in theoretical statistics, University of Copenhagen, 1998.

## Professional Activities

- Chairman of the Danish Society for Theoretical Statistics 2012-2015.
- Member of the local organizing committee of the 26th Nordic Conference in Mathematical Statistics in Copenhagen, 2016.
- Member of the local organizing committee of the 5th Nordic-Baltic Biometric Conference, in Copenhagen, 2017.
- Academic editor for PLOS ONE.
- Associate editor for Frontiers In Psychology.

## Supervision

Have acted as supervisor for three master thesis in the Master of Health Science (Cand.Scient.San.) program at the University of Copenhagen and as supervisor for three master theses in the mathematical statistics program at the University of Copenhagen (Faculty of Science). Five of these six projects lead to peer reviewed publications. Three of these published this year. Two published earlier:

- Clausen MB et al. The American Journal of Sports Medicine, 2014. Impact factor 6.2, cited 97 times.  
<https://doi.org/10.1177/0363546514541224>.
- Søbørg S et al. Cell metabolism. 2017. Impact factor 27.3, cited 146 times.  
<https://doi.org/10.1016/j.cmet.2017.04.009>.

Have been PhD supervisor for two PhD students (both statisticians) and as PhD co-supervisor for four projects (three candidates in Public Health, one Master of Health Science). Currently supervising/co-supervising four PhD students (two statisticians, one medical doctor, one candidate in Public Health).