

Keski-Suomen hyvinvointialueen julkaisuluettelo 2024

- 1: Gersh F, O'Keefe JH, Elagizi A, Lavie CJ, Laukkanen JA. Estrogen and cardiovascular disease. *Prog Cardiovasc Dis*. 2024 May-Jun;84:60-67. doi: 10.1016/j.pcad.2024.01.015. Epub 2024 Jan 24. PMID: 38272338.
- 2: Laukkanen JA, Kunutsor SK. The multifaceted benefits of passive heat therapies for extending the healthspan: A comprehensive review with a focus on Finnish sauna. *Temperature (Austin)*. 2024 Feb 25;11(1):27-51. doi: 10.1080/23328940.2023.2300623. PMID: 38577299; PMCID: PMC10989710.
- 3: Selänne L, Haijanen J, Sippola S, Hurme S, Rautio T, Nordström P, Rantanen T, Pinta T, Ilves I, Mattila A, Rintala J, Marttila H, Meriläinen S, Laukkarinen J, Sävelä EL, Paajanen H, Grönroos J, Salminen P. Three-Year Outcomes of Oral Antibiotics vs Intravenous and Oral Antibiotics for Uncomplicated Acute Appendicitis: A Secondary Analysis of the APPAC II Randomized Clinical Trial. *JAMA Surg*. 2024 Jul 1;159(7):727-735. doi: 10.1001/jamasurg.2023.5947. PMID: 38630471; PMCID: PMC11024776.
- 4: Lusa V, Karjalainen TV, Pääkkönen M, Rajamäki TJ, Jaatinen K. Surgical versus non-surgical treatment for carpal tunnel syndrome. *Cochrane Database Syst Rev*. 2024 Jan 8;1(1):CD001552. doi: 10.1002/14651858.CD001552.pub3. PMID: 38189479; PMCID: PMC10772978.
- 5: Kunutsor SK, Lehoczki A, Laukkanen JA. Coffee consumption, cancer, and healthy aging: epidemiological evidence and underlying mechanisms. *Geroscience*. 2024 Sep 13. doi: 10.1007/s11357-024-01332-8. Epub ahead of print. PMID: 39266809.
- 6: Kunutsor SK, Kaminsky LA, Lehoczki A, Laukkanen JA. Unraveling the link between cardiorespiratory fitness and cancer: a state-of-the-art review. *Geroscience*. 2024 Dec;46(6):5559-5585. doi: 10.1007/s11357-024-01222-z. Epub 2024 Jun 3. PMID: 38831183; PMCID: PMC11493895.
- 7: Lavikainen LI, Guyatt GH, Sallinen VJ, Karanicolas PJ, Couban RJ, Singh T, Lee Y, Elberkennou J, Aaltonen R, Ahopelto K, Beilmann-Lehtonen I, Blanker MH, Cárdenas JL, Cartwright R, Craigie S, Devereaux PJ, Garcia-Perdomo HA, Ge FZ, Goma HA, Halme ALE, Haukka J, Karjalainen PK, Kilpeläinen TP, Kivelä AJ, Lampela H, Mattila AK, Najafabadi BT, Nykänen TP, Pandanaboyana S, Pourjamal N, Ratnayake CBB, Raudasoja A, Vernooij RWM, Violette PD, Wang Y, Xiao Y, Yao L, Tikkinen KAO; ROTBIGGS Investigators. Systematic Reviews and Meta-analyses of the Procedure-specific Risks of Thrombosis and Bleeding in General Abdominal, Colorectal, Upper Gastrointestinal, and Hepatopancreatobiliary Surgery. *Ann*

Surg. 2024 Feb 1;279(2):213-225. doi: 10.1097/SLA.0000000000006059. Epub 2023 Aug 8. PMID: 37551583; PMCID: PMC10782937.

8: Andersén H, Aro M, Kaarteenaho R, Koivunen J, Mäyränpää MI, Sihvo E, Vasankari T. Lung Cancer in Finland. *J Thorac Oncol.* 2024 Sep;19(9):1265-1271. doi: 10.1016/j.jtho.2024.06.005. PMID: 39242140.

9: Laukkanen JA, Bernasconi AA, Lavie CJ. Bringing the Potential Benefits of Omega-3 to a Higher Level. *Mayo Clin Proc.* 2024 Apr;99(4):520-523. doi: 10.1016/j.mayocp.2024.02.015. PMID: 38569806.

10: Elagizi A, Gersh FL, Lavie CJ, Laukkanen JA, O'Keefe JH. Testosterone and cardiovascular health. *Eur Heart J.* 2024 Jan 7;45(2):139-141. doi: 10.1093/eurheartj/ehad513. PMID: 37556598.

11: Ylimaula S, Räsänen L, Hurskainen M, Peuna A, Julkunen P, Nieminen MT, Hanni M. X-ray scatter in projection radiography. *Radiat Prot Dosimetry.* 2024 Feb 16;200(2):120-129. doi: 10.1093/rpd/ncad275. Erratum in: *Radiat Prot Dosimetry.* 2024 Feb 16;200(2):219. doi: 10.1093/rpd/ncad308. PMID: 37939724; PMCID: PMC10875324.

12: Jokela TA, Karppinen JE, Kärkkäinen M, Mecklin JP, Walker S, Seppälä TT, Laakkonen EK. Circulating metabolome landscape in Lynch syndrome. *Cancer Metab.* 2024 Feb 5;12(1):4. doi: 10.1186/s40170-024-00331-9. PMID: 38317210; PMCID: PMC10840166.

13: Lavikainen LI, Guyatt GH, Kalliala IEJ, Cartwright R, Luomaranta AL, Vernooij RWM, Tähtinen RM, Tadayon Najafabadi B, Singh T; ROTBIGGS Investigators; Pourjamal N, Oksjoki SM, Khamani N, Karjalainen PK, Joronen KM, Izett-Kay ML, Haukka J, Halme ALE, Ge FZ, Galambosi PJ, Devereaux PJ, Cárdenas JL, Couban RJ, Aro KM, Aaltonen RL, Tikkinen KAO. Risk of thrombosis and bleeding in gynecologic noncancer surgery: systematic review and meta-analysis. *Am J Obstet Gynecol.* 2024 Apr;230(4):390-402. doi: 10.1016/j.ajog.2023.11.1255. Epub 2023 Dec 10. PMID: 38072372.

14: Uusitupa E, Rahikkala H, Sard S, Pokka T, Salo H, Kärki J, Sokka-Isler T, Backström M, Vähäsalo P. Incidence of juvenile idiopathic arthritis in Finland, 2000-2020. *Rheumatology (Oxford).* 2024 Sep 1;63(9):2355-2362. doi: 10.1093/rheumatology/keae322. PMID: 38857448; PMCID: PMC11371375.

15: Haugen IK, Felson DT, Abhishek A, Berenbaum F, Bierma-Zeinstra S, Dziedzic KS, Edwards JJ, Englund M, Hermann-Eriksen M, Herrero-Beaumont G, Hill C, Ishimori ML, Jonsson H, Karjalainen T, Leung YY, Maheu E, Mallen CD, Marshall M, Moe RH, Ramonda R, Ritschl V, Ritt MJ, Stamm TA, Szekanecz Z, van der Giesen F, van de Stadt LA, van der Meulen C, Wittoek R, Greibrokk E, Laheij H, Kloppenburg M. 2023 EULAR classification criteria for hand osteoarthritis. *Ann Rheum Dis.* 2024 Oct 21;83(11):1428-1435. doi: 10.1136/ard-2023-225073. PMID: 38821712; PMCID: PMC11503154.

16: Jeppsson A, Rocca B, Hansson EC, Gudbjartsson T, James S, Kaski JK, Landmesser U, Landoni G, Magro P, Pan E, Ravn HB, Sandner S, Sandoval E, Uva MS, Milojevic M; EACTS Scientific Document Group. 2024 EACTS Guidelines on perioperative medication in adult cardiac surgery. *Eur J Cardiothorac Surg.* 2024 Oct 10:ezae355. doi: 10.1093/ejcts/ezae355. Epub ahead of print. PMID: 39385505.

17: Föhr T, Hendrix A, Kankaanpää A, Laakkonen EK, Kujala U, Pietiläinen KH, Lehtimäki T, Kähönen M, Raitakari O, Wang X, Kaprio J, Ollikainen M, Sillanpää E. Metabolic syndrome and epigenetic aging: a twin study. *Int J Obes (Lond).* 2024 Jun;48(6):778-787. doi: 10.1038/s41366-024-01466-x. Epub 2024 Jan 25. PMID: 38273034; PMCID: PMC11129944.

18: Kilpikoski S, Häkkinen AH, Repo JP, Kyrölä K, Multanen J, Kankaanpää M, Vainionpää A, Takala EP, Kautiainen H, Ylinen J. The McKenzie Method versus guideline-based advice in the treatment of sciatica: 24-month outcomes of a randomised clinical trial. *Clin Rehabil.* 2024 Jan;38(1):72-84. doi: 10.1177/02692155231196393. Epub 2023 Aug 21. PMID: 37605454.

19: Uimonen M, Helminen O, Sihvo E, Kauppila JH. Reply to Li et al. *Eur J Cardiothorac Surg.* 2024 May 3;65(5):ezae191. doi: 10.1093/ejcts/ezae191. PMID: 38711184.

20: Bm MV, Pakarinen O, Helenius I, Uimonen MM, Ponkilainen VT, Kuitunen I. Why all newborn hip screening programs have same results-a mini review. *Eur J Pediatr.* 2024 Jul;183(7):2889-2892. doi: 10.1007/s00431-024-05539-x. Epub 2024 Apr 9. PMID: 38592484; PMCID: PMC11192804.

21: Deen AJ, Adinolfi S, Härkönen J, Patinen T, Liu X, Laitinen T, Takabe P, Kainulainen K, Pasonen-Seppänen S, Gawrylski LM, Arasu UT, Selvarajan I, Mäkinen P, Laitinen H, Kansanen E, Kaikkonen MU, Poso A, Varjosalo M, Levonen AL. Oncogenic KEAP1 mutations activate TRAF2-NFκB signaling to prevent apoptosis in lung cancer cells. *Redox Biol.* 2024 Feb;69:103031. doi: 10.1016/j.redox.2024.103031. Epub 2024 Jan 4. PMID: 38184997; PMCID:

PMC10808971.



Tutkimuspalvelut
Julkaisuluettelo 2024
10.01.2024

- 22: Kunutsor SK, Kurl S, Laukkanen JA. Cardiorespiratory fitness, atrial fibrillation and stroke: a review of the evidence in 2024. *Expert Rev Cardiovasc Ther.* 2024 Sep;22(9):493-508. doi: 10.1080/14779072.2024.2409440. Epub 2024 Oct 4. PMID: 39329169.
- 23: Sokka-Isler T, Paalanen K, Puolakka K. Keep a closer eye on 'seronegative rheumatoid arthritis'. *Scand J Rheumatol.* 2024 Sep;53(5):293-294. doi: 10.1080/03009742.2024.2386756. Epub 2024 Sep 17. PMID: 39286851.
- 24: Osterlund E, Ristimäki A, Mäkinen MJ, Kytölä S, Kononen J, Pfeiffer P, Soveri LM, Keinänen M, Sorbye H, Nunes L, Salminen T, Nieminen L, Uutela A, Halonen P, Ålgars A, Sundström J, Kallio R, Ristimäki R, Lamminmäki A, Stedt H, Heervä E, Kuopio T, Sjöblom T, Isoniemi H, Glimelius B, Osterlund P. Atypical (non-V600E) BRAF mutations in metastatic colorectal cancer in population and real-world cohorts. *Int J Cancer.* 2024 Feb 1;154(3):488-503. doi: 10.1002/ijc.34733. Epub 2023 Sep 19. PMID: 37724848.
- 25: Ylönen M, Forsman P, Karvo T, Jarva E, Antikainen T, Kulmala P, Mikkonen K, Kärkkäinen T, Hämäläinen R. Social services and healthcare personnel's digital competence profiles: A Finnish cross-sectional study. *Int J Med Inform.* 2025 Jan;193:105658. doi: 10.1016/j.ijmedinf.2024.105658. Epub 2024 Oct 18. PMID: 39454327.
- 26: Laukkanen JA, Kunutsor SK. Hypertension and Heart Health in Africa: A Call for Ethnic-Specific Cardiac Assessments. *Am J Cardiol.* 2024 Feb 15;213:178-179. doi: 10.1016/j.amjcard.2023.12.028. Epub 2023 Dec 16. PMID: 38110021.
- 27: Laukkanen JA, Kunutsor SK. Sleep quality and its underrated role: Associations between sleep-related symptoms and cardiovascular biomarkers. *Int J Cardiol.* 2024 Jan 15;395:131570. doi: 10.1016/j.ijcard.2023.131570. Epub 2023 Oct 31. PMID: 37913962.
- 28: Laukkanen JA, Kunutsor SK. Is Improving Educational Attainment Key to Reducing the Burden Because of Cardiovascular Diseases? *Am J Cardiol.* 2024 Feb 15;213:166-167. doi: 10.1016/j.amjcard.2023.07.051. Epub 2023 Aug 1. PMID: 37532641.
- 29: Chen Z, Guo X, Tao R, Huyghe JR, Law PJ, Fernandez-Rozadilla C, Ping J, Jia G, Long J, Li C, Shen Q, Xie Y, Timofeeva MN, Thomas M, Schmit SL, Díez-Obrero V, Devall M, Moratalla-Navarro F, Fernandez-Tajes J, Palles C, Sherwood K, Briggs SEW, Svinti V, Donnelly K, Farrington SM, Blackmur J, Vaughan-Shaw PG, Shu XO, Lu Y, Broderick P, Studd J, Harrison TA, Conti DV, Schumacher FR, Melas M, Rennert G, Obón-Santacana M, Martín-Sánchez V, Oh JH, Kim J, Jee SH, Jung KJ, Kweon SS, Shin MH, Shin A, Ahn YO, Kim DH, Oze I, Wen W, Matsuo K, Matsuda K, Tanikawa C, Ren Z, Gao YT, Jia WH, Hopper JL, Jenkins MA, Win AK, Pai RK, Figueiredo JC, Haile RW, Gallinger S, Woods MO, Newcomb PA, Duggan D, Cheadle

JP, Kaplan R, Kerr R, Kerr D, Kirac I, Böhm J, Mecklin JP, Jousilahti P, Knekt P, Aaltonen LA, Rissanen H, Pukkala E, Eriksson JG, Cajuso T, Hänninen U, Kondelin J, Palin K, Tanskanen T, Renkonen-Sinisalo L, Männistö S, Albanes D, Weinstein SJ, Ruiz-Narvaez E, Palmer JR, Buchanan DD, Platz EA, Visvanathan K, Ulrich CM, Siegel E, Brezina S, Gsur A, Campbell PT, Chang-Claude J, Hoffmeister M, Brenner H, Slattery ML, Potter JD, Tsilidis KK, Schulze MB, Gunter MJ, Murphy N, Castells A, Castellví-Bel S, Moreira L, Arndt V, Shcherbina A, Bishop DT,

Giles GG, Southey MC, Idos GE, McDonnell KJ, Abu-Ful Z, Greenson JK, Shulman K, Lejbkowitz F, Offit K, Su YR, Steinfeld R, Keku TO, van Guelpen B, Hudson TJ, ampel H, Pearlman R, Berndt SI, Hayes RB, Martinez ME, Thomas SS, Pharoah PDP, Larsson SC, Yen Y, Lenz HJ, White E, Li L, Doheny KF, Pugh E, Shelford T, Chan AT, Cruz-Correa M, Lindblom A, Hunter DJ, Joshi AD, Schafmayer C, Scacheri PC, Kundaje A, Schoen RE, Hampe J, Stadler ZK, Vodicka P, Vodickova L, Vymetalkova V, Edlund CK, Gauderman WJ, Shibata D, Toland A, Markowitz S, Kim A, Chanock SJ, van Duijnhoven F, Feskens EJM, Sakoda LC, Gago-Dominguez M, Wolke A, Pardini B, FitzGerald LM, Lee SC, Ogino S, Bien SA, Kooperberg C, Li CI, Lin Y, Prentice R, Qu C, Bézieau S, Yamaji T, Sawada N, Iwasaki M, Le Marchand L, Wu AH, Qu C,

McNeil CE, Coetzee G, Hayward C, Deary IJ, Harris SE, Theodoratou E, Reid S, Walker M, Ooi LY, Lau KS, Zhao H, Hsu L, Cai Q, Dunlop MG, Gruber SB, Houlston RS, Moreno V, Casey G, Peters U, Tomlinson I, Zheng W. Fine-mapping analysis including over 254,000 East Asian and European descendants identifies 136 putative colorectal cancer susceptibility genes. *Nat Commun.* 2024 Apr 26;15(1):3557. doi: 10.1038/s41467-024-47399-x. PMID: 38670944; PMCID: PMC11053150.

30: Jussila I, Ahtiainen JP, Laakkonen EK, Siltari A, Kaipia A, Jokela T, Kärkkäinen M, Newton R, Raastad T, Huhtala H, Murtola TJ, Seikkula H. Transdermal oestradiol and exercise in androgen deprivation therapy (ESTRACISE): protocol. *BJU Int.* 2024 Jul;134(1):110-118. doi: 10.1111/bju.16361. Epub 2024 Apr 8. PMID: 38587276.

31: Boyd S, Mustamäki T, Sjöblom N, Nordin A, Tenca A, Jokelainen K, Rantapero T, Liuksiala T, Lahtinen L, Kuopio T, Kytölä S, Mäkisalo H, Färkkilä M, Arola J. NGS of brush cytology samples improves the detection of high-grade dysplasia and cholangiocarcinoma in patients with primary sclerosing cholangitis: A retrospective and prospective study. *Hepatol Commun.* 2024 Mar 29;8(4):e0415. doi: 10.1097/HC9.0000000000000415.

32: Sula S, Paananen T, Tammilehto V, Hurme S, Mattila A, Rantanen T, Rautio T, Pinta T, Sippola S, Haijanen JM, Salminen P. Impact of an appendicolith and its characteristics on the severity of acute appendicitis. *BJS Open.* 2024 Sep 3;8(5):zrae093. doi: 10.1093/bjsopen/zrae093. PMID: 39226377; PMCID: PMC11370785.

33: Räisänen MP, Leppänen OV, Soikkeli J, Reito A, Malmivaara A, Buchbinder R, Kautiainen H, Kaivorinne A, Stjernberg-Salmela S, Lappalainen M, Luokkala T, Pönkkö A, Taskinen HS, Pääkkönen M, Jaatinen K, Juurakko J, Karjalainen VL, Karjalainen T. Surgery, Needle Fasciotomy, or Collagenase Injection for Dupuytren Contracture : A Randomized Controlled Trial. *Ann Intern Med.* 2024 Mar;177(3):280-290. doi: 10.7326/M23-1485. Epub 2024 Feb 13. PMID: 38346307.

34: Kunutsor SK, Laukkanen JA. A U-Shaped Challenge: Addressing Cardiovascular Outcomes in Cancer Patients With Body Mass Index Changes. *Mayo Clin Proc.* 2024 Jun;99(6):861-863. doi: 10.1016/j.mayocp.2024.04.009. PMID: 38839186.

35: Place K, Rahkonen L, Tekay A, Väyrynen K, Orden MR, Vääräsmäki M, Uotila J, Tihtonen K, Rinne K, Mäkikallio K, Heinonen S, Kruit H. Labor induction at gestational weeks or expectant management for the nulliparous woman: The Finnish randomized controlled multicenter trial. *Acta Obstet Gynecol Scand.* 2024 Mar;103(3):505-511. doi: 10.1111/aogs.14755. Epub 2023 Dec 19. PMID: 38112629; PMCID: PMC10867371.

36: Elomaa H, Härkönen J, Väyrynen SA, Ahtiainen M, Ogino S, Nowak JA, Lau MC, Helminen O, Wirta EV, Seppälä TT, Böhm J, Mecklin JP, Kuopio T, Väyrynen JP. Quantitative Multiplexed Analysis of Indoleamine 2,3-Dioxygenase (IDO) and Arginase-1 (ARG1) Expression and Myeloid Cell Infiltration in Colorectal Cancer. *Mod Pathol.* 2024 Apr;37(4):100450. doi: 10.1016/j.modpat.2024.100450. Epub 2024 Feb 16. PMID: 38369188.

37: Kunutsor SK, Laukkanen JA. Physical activity, exercise and adverse cardiovascular outcomes in individuals with pre-existing cardiovascular disease: a narrative review. *Expert Rev Cardiovasc Ther.* 2024 Jan-Mar;22(1-3):91-101. doi: 10.1080/14779072.2024.2328644. Epub 2024 Mar 15. PMID: 38488568; PMCID: PMC11057847.

38: Tapper V, Reito A, Pamilo K, Ylitalo A, Toom A, Paloneva J. Complications and secondary operations after non-operative and operative treatment of tibial plateau fractures: a population-based study of 562 patients with mean follow-up of 7 years. *Arch Orthop Trauma Surg.* 2024 Jan;144(1):269-280. doi: 10.1007/s00402-023-05102-7. Epub 2023 Nov 3. PMID: 37921992.

39: Sellman L, Tong X, Burton IS, Kröger H. Retrospective Characterization of Bone Histomorphometric Findings in Clinical Patient Specimens. *J Bone Metab.* 2024 May;31(2):132-139. doi: 10.11005/jbm.2024.31.2.132. Epub 2024 May 31. PMID: 38886970; PMCID: PMC11184156.



Tutkimuspalvelut
Julkaisuluettelo 2024
10.01.2024

- 40: Kunutsor SK, Seidu S, Kurl S, Laukkanen JA. Baseline and usual triglyceride- glucose index and the risk of chronic kidney disease: a prospective cohort study. *Geroscience*. 2024 Jun;46(3):3035-3046. doi: 10.1007/s11357-023-01044-5. Epub 2024 Jan 5. PMID: 38180700; PMCID: PMC11009217.
- 41: Uimonen M, Liukkonen R, Ponkilainen V, Vaajala M, Tarkiainen J, Pakarinen O, Haapanen M, Kuitunen I. Preventive medication efficacy after 1-year follow-up for graft failure in coronary artery bypass surgery patients: Bayesian network meta-analysis. *Eur Heart J Open*. 2024 Jun 27;4(4):oeae052. doi: 10.1093/ehjopen/oeae052. PMID: 38974873; PMCID: PMC11227230.
- 42: Karjula T, Elomaa H, Väyrynen SA, Kuopio T, Ahtiainen M, Mustonen O, Puro I, Niskakangas A, Mecklin JP, Böhm J, Wirta EV, Seppälä TT, Sihvo E, Yannopoulos F, Helminen O, Väyrynen JP. Multiplexed analysis of macrophage polarisation in pulmonary metastases of microsatellite stable colorectal cancer. *Cancer Immunol Immunother*. 2024 Feb 22;73(3):59. doi: 10.1007/s00262-024-03646-0. PMID: 38386105; PMCID: PMC10884151.
- 43: Väyrynen KM, Chen A, Heinonen S, Tekay A, Torkki P. Roles of different organizations in implementing patient-reported measures in routine maternity care in Finland. *J Patient Rep Outcomes*. 2024 Oct 3;8(1):117. doi: 10.1186/s41687-024-00793-x. PMID: 39361084; PMCID: PMC11450123.
- 44: Terävä-Utti E, Nurmi M, Laitinen L, Rissanen T, Polo-Kantola P. Hyperemesis gravidarum and eating disorders before and after pregnancy: A register-based study. *Int J Eat Disord*. 2024 Jan;57(1):70-80. doi: 10.1002/eat.24082. Epub 2023 Oct 24. PMID: 37873998.
- 45: Wirta EV, Szeto S, Koppatz H, Nordin A, Mäkisalo H, Arola J, Sirén J, Ahtiainen M, Böhm J, Mecklin JP, Sallinen V, Seppälä TT. High immune cell infiltration predicts improved survival in cholangiocarcinoma. *Front Oncol*. 2024 May 1;14:1333926. doi: 10.3389/fonc.2024.1333926. PMID: 38751812; PMCID: PMC11094285.
- 46: Pussila M, Laiho A, Törönen P, Björkbacka P, Nykänen S, Pylvänäinen K, Holm L, Mecklin JP, Renkonen-Sinisalo L, Lehtonen T, Lepistö A, Linden J, Mäki-Nevala S, Peltomäki P, Nyström M. Mitotic abnormalities precede microsatellite instability in lynch syndrome-associated colorectal tumourigenesis. *EBioMedicine*. 2024 May;103:105111. doi: 10.1016/j.ebiom.2024.105111. Epub 2024 Apr 6. PMID: 38583260; PMCID: PMC11002576.

- 47: Mäntyselkä S, Kolari K, Baumert P, Ylä-Outinen L, Kuikka L, Lahtonen S, Permi P, Wackerhage H, Kalenius E, Kivelä R, Hulmi JJ. Serine synthesis pathway enzyme PHGDH is critical for muscle cell biomass, anabolic metabolism, and mTORC1 signaling. *Am J Physiol Endocrinol Metab.* 2024 Jan 1;326(1):E73-E91. doi: 10.1152/ajpendo.00151.2023. Epub 2023 Nov 22. PMID: 37991454.
- 48: Vuoksima E, Saari TT, Aaltonen A, Aaltonen S, Herukka SK, Iso-Markku P, Kokkola T, Kyttälä A, Kärkkäinen S, Liedes H, Ollikainen M, Palviainen T, Ruotsalainen I, Toivola A, Urjansson M, Vasankari T, Vähä-Ypyä H, Forsberg MM, Hiltunen M, Jalanko A, Kälviäinen R, Kuopio T, Lähteenmäki J, Nyberg P, Männikkö M, Serpi R, Siltanen S, Palotie A, Kaprio J, Runz H, Julkunen V; FinnGen. TWINGEN: protocol for an observational clinical biobank recall and biomarker cohort study to identify Finnish individuals with high risk of Alzheimer's disease. *BMJ Open.* 2024 Jun 12;14(6):e081947. doi: 10.1136/bmjopen-2023-081947. PMID: 38866570; PMCID: PMC11177688.
- 49: Kunutsor SK, Kauhanen J, Laukkanen JA. Frequent sauna bathing and psychosis: Interrelationship with cardiorespiratory fitness. *J Psychiatr Res.* 2024 Jul;175:75-80. doi: 10.1016/j.jpsychires.2024.04.044. Epub 2024 Apr 25. PMID: 38718442.
- 50: Kunutsor SK, Lehoczki A, Laukkanen JA. The untapped potential of cold water therapy as part of a lifestyle intervention for promoting healthy aging. *Geroscience.* 2024 Jul 30. doi: 10.1007/s11357-024-01295-w. Epub ahead of print. PMID: 39078461.
- 51: Ylinen J, Pasanen T, Heinonen A, Kivistö H, Kautiainen H, Multanen J. Trunk muscle activation of core stabilization exercises in subjects with and without chronic low back pain. *J Back Musculoskelet Rehabil.* 2024;37(4):897-908. doi: 10.3233/BMR-230043. PMID: 38250755.
- 52: Kunutsor SK, Jae SY, Kurl S, Laukkanen JA. Hemodynamic gain index and risk of ventricular arrhythmias: a prospective cohort study. *Scand Cardiovasc J.* 2024 Dec;58(1):2347289. doi: 10.1080/14017431.2024.2347289. Epub 2024 Apr 29. PMID: 38682260.
- 53: Ponkilainen V, Mäenpää H, Laine HJ, Partio N, Väistö O, Jousmäki J, Mattila VM, Haapasalo H. Open Reduction Internal Fixation vs Primary Arthrodesis for Displaced Lisfranc Injuries: A Multicenter Randomized Controlled Trial. *Foot Ankle Int.* 2024 Jun;45(6):612-620. doi: 10.1177/10711007241232667. Epub 2024 Mar 14. PMID: 38482816.

- 54: Karjalainen PK, Tolppanen AM, Wihersaari O, Nieminen K, Mattsson NK, Jalkanen JT. Changes in Stress Urinary Incontinence Symptoms after Pelvic Organ Prolapse Surgery: a Nationwide Cohort Study (FINPOP). *Int Urogynecol J*. 2024 Apr;35(4):909-919. doi: 10.1007/s00192-024-05760-0. Epub 2024 Mar 28. PMID: 38546868; PMCID: PMC11052860.
- 55: Wirta EV, Elomaa H, Ahtiainen M, Hyöty M, Seppälä TT, Kuopio T, Böhm J, Mecklin JP, Väyrynen JP. The impact of preoperative treatments on the immune environment of rectal cancer. *APMIS*. 2024 Dec;132(12):1046-1060. doi: 10.1111/apm.13467. Epub 2024 Sep 10. PMID: 39253758; PMCID: PMC11582340.
- 56: Putila E, Helminen O, Helmiö M, Huhta H, Jalkanen A, Kallio R, Koivukangas V, Kokkola A, Laine S, Lietzen E, Louhimo J, Meriläinen S, Pohjanen VM, Rantanen T, Junttila A, Ristimäki A, Räsänen JV, Saarnio J, Sihvo E, Toikkanen V, Tyrväinen T, Valtola A, Kauppila JH; FINEGO Group. Postoperative Complications After Neoadjuvant Chemotherapy Versus Upfront Surgery in Gastric Adenocarcinoma: A Population-Based Nationwide Study in Finland. *Ann Surg Oncol*. 2024 Apr;31(4):2689-2698. doi: 10.1245/s10434-023-14813-5. Epub 2023 Dec 28. PMID: 38153640; PMCID: PMC10908606.
- 57: Sipilä LJ, Aavikko M, Ravantti J, Martin S, Kuopio T, Lahtinen L, FinnGen, Peltomäki P, Mecklin JP, Aaltonen LA, Seppälä TT. Detection of a major Lynch Syndrome-causing MLH1 founder variant in a large-scale genotyped cohort. *Fam Cancer*. 2024 Nov;23(4):647-652. doi: 10.1007/s10689-024-00400-4. Epub 2024 Jun 7. PMID: 38847920; PMCID: PMC11512911.
- 58: Watts AC, McDaid C, Hewitt C; CODER Consensus group; CODER Consensus group; Bateman M, Evans JP, Higgs D, Hughes B, Luukkala T, Smith C, Uppal E. Core Outcome Domains for Elbow Replacement (CODER). *Bone Joint J*. 2024 Nov 1;106-B(11):1306-1311. doi: 10.1302/0301-620X.106B11.BJJ-2024-0352.R1. PMID: 39481439.
- 59: Lahdenperä NI, Repo JP, Uimonen M, Savolainen M, Vuola J, Lindford A. Translation of SCAR-Q into Finnish and psychometric validation of the Finnish version. *Burns*. 2024 Sep;50(7):1853-1862. doi: 10.1016/j.burns.2024.04.002. Epub 2024 Apr 11. PMID: 38704318.
- 60: Moisander AM, Pamilo K, Huopio J, Kautiainen H, Kuitunen A, Paloneva J. Risk stratification-based thromboprophylaxis does not affect mortality after fast-track hip and knee arthroplasty. *Acta Anaesthesiol Scand*. 2024 Jul;68(6):720-725. doi: 10.1111/aas.14414. Epub 2024 Mar 26. PMID: 38531623.

- 61: Mannström H, Multanen J, Ylinen J, Hautala A, Peuna A, Karttunen L, Pekkanen L, Kyrölä K. Course and Predictors of Adult Spinal Sagittal Disorders: A 10-year Prospective Case Series. *Spine (Phila Pa 1976)*. 2024 Oct 9. doi: 10.1097/BRS.0000000000005177. Epub ahead of print. PMID: 39451140.
- 62: Jeyapalan J, Sassi P, Mittendorfer Rutz E, Tiihonen J, Taipale H, Niemelä S. Characteristics of incident substance-induced psychosis compared to first- episode psychotic disorders: A nationwide register-linkage study from Sweden. *Schizophr Res*. 2024 Feb;264:526-533. doi: 10.1016/j.schres.2024.01.033. Epub 2024 Feb 6. PMID: 38325153.
- 63: Aho S, Osterlund E, Ristimäki A, Nieminen L, Sundström J, Mäkinen MJ, Kuopio T, Kytölä S, Ålgars A, Ristamäki R, Heervä E, Kallio R, Halonen P, Soveri LM, Nordin A, Uutela A, Salminen T, Stedt H, Lamminmäki A, Muhonen T, Kononen J, Glimelius B, Isoniemi H, Lehto JT, Lehtomäki K, Osterlund P. Impact of Primary Tumor Location on Demographics, Resectability, Outcomes, and Quality of Life in Finnish Metastatic Colorectal Cancer Patients (Subgroup Analysis of the RAXO Study). *Cancers (Basel)*. 2024 Mar 5;16(5):1052. doi: 10.3390/cancers16051052. PMID: 38473410; PMCID: PMC10931274.
- 64: Mustonen AM, Palviainen M, Säisänen L, Karttunen L, Tollis S, Esrafilian A, Reijonen J, Julkunen P, Siljander PR, Kröger H, Mäki J, Arokoski J, Nieminen P. Tetraspanin profiles of serum extracellular vesicles reflect functional limitations and pain perception in knee osteoarthritis. *Arthritis Res Ther*. 2024 Jan 22;26(1):33. doi: 10.1186/s13075-023-03234-0. PMID: 38254142; PMCID: PMC10801950.
- 65: Kunutsor SK, Jae SY, Kurl S, Laukkanen JA. Sauna bathing and mortality risk: unraveling the interaction with systolic blood pressure in a cohort of Finnish men. *Scand Cardiovasc J*. 2024 Dec;58(1):2302159. doi: 10.1080/14017431.2024.2302159. Epub 2024 Feb 27. PMID: 38410962.
- 66: Martin S, Katainen R, Taira A, Välimäki N, Ristimäki A, Seppälä T, Renkonen- Sinisalo L, Lepistö A, Tahkola K, Mattila A, Koskensalo S, Mecklin JP, Rajamäki K, Palin K, Aaltonen LA. Lynch syndrome-associated and sporadic microsatellite unstable colorectal cancers: different patterns of clonal evolution yield highly similar tumours. *Hum Mol Genet*. 2024 Nov 5;33(21):1858-1872. doi: 10.1093/hmg/ddae124. PMID: 39180486; PMCID: PMC11540923.
- 67: Paakkola NM, Jekunen A, Sihvo E, Johansson M, Andersén H. Area-based disparities in non-small-cell lung cancer survival. *Acta Oncol*. 2024 Apr 9;63:146-153. doi: 10.2340/1651-226X.2024.27507. PMID: 38591350; PMCID: PMC11332544.



Tutkimuspalvelut
Julkaisuluettelo 2024
10.01.2024

68: Pakarinen O, Ponkilainen V, Varnum C, Pedersen AB, Overgaard S, Kärrholm J, Rolfson O, Fenstad AM, Furnes O, Hallan G, Mäkelä K, Eskelinen A. Choice of Bearings Influences the Implant Survival of Total Hip Arthroplasty in Patients Who Have Osteoarthritis Aged 55 Years or More: Results of 158,044 Patients From the Nordic Arthroplasty Register Association From 2005 to 2017. *J Arthroplasty*. 2024 Aug 20:S0883-5403(24)00838-6. doi: 10.1016/j.arth.2024.08.015. Epub ahead of print. PMID: 39173975.

69: Lehti SM, Andersen O, Leppäaho-Lakka J, Suominen E, Vainio A, Matsinen M, Kuronen H, Rimhanen-Finne R. Salmonella Typhimurium caused an unprecedentedly large foodborne outbreak in Finland in 2021. *Zoonoses Public Health*. 2024 Aug;71(5):560-567. doi: 10.1111/zph.13157. Epub 2024 May 20. PMID: 38769642.

70: Lehtinen N, Suhonen J, Rice K, Välimäki E, Toriseva M, Routila J, Halme P, Rahi M, Irjala H, Leivo I, Kallajoki M, Nees M, Kuopio T, Ventelä S, Rantala JK. Assessment of targeted therapy opportunities in sinonasal cancers using patient- derived functional tumor models. *Transl Oncol*. 2024 Jun;44:101935. doi: 10.1016/j.tranon.2024.101935. Epub 2024 Mar 23. PMID: 38522153; PMCID: PMC10973676.

71: Liukkonen R, Karjalainen VL, Kvist R, Vaajala M, Ponkilainen V, Karjalainen T. Total joint arthroplasty for thumb carpometacarpal joint osteoarthritis: a systematic review and meta-analysis of randomized controlled trials. *Acta Orthop*. 2024 Jun 18;95:325-332. doi: 10.2340/17453674.2024.40816. PMID: 38887076; PMCID: PMC11184324.

72: Lähdesmäki M, Ylitalo AA, Karjalainen L, Uimonen M, Mattila VM, Repo JP. Intramedullary Nailing of Intertrochanteric Femoral Fractures in a Level I Trauma Center in Finland: What Complications Can be Expected? *Clin Orthop Relat Res*. 2024 Feb 1;482(2):278-288. doi: 10.1097/CORR.0000000000002792. Epub 2023 Aug 15. PMID: 37582281; PMCID: PMC10776171.

73: Aro AK, Karjalainen M, Tiuhonen M, Kautiainen H, Saltevo J, Haanpää M, Mäntyselkä P. Is living alone associated with mortality among older primary care patients with or without diabetes? *BMC Prim Care*. 2024 Nov 22;25(1):398. doi: 10.1186/s12875-024-02651-7. PMID: 39578742; PMCID: PMC11583571.

74: Zaccardi F, Rowlands AV, Dempsey PC, Razieh C, Henson J, Goldney J, Maylor BD, Bhattacharjee A, Chudasama Y, Edwardson C, Laukkanen JA, Ekelund U, Davies MJ, Khunti K, Yates T. Interplay between physical activity volume and intensity with modeled life expectancy in women and men: A prospective cohort analysis. *JSport Health Sci*. 2024 Aug 23:100970. doi: 10.1016/j.jshs.2024.100970. Epub ahead of print. PMID: 39181446.



Tutkimuspalvelut
Julkaisuluettelo 2024
10.01.2024

75: Vasara H, Stenroos A, Aspinen S, Kosola J, Anttila T, Nordback PH. Both-Bone Forearm Shaft Fractures Treated with Compression Plate Fixation in Adults: A Systematic Review on Adverse Events and Outcomes. *JB JS Open Access*. 2024 Nov 26;9(4):e24.00129. doi: 10.2106/JBJS.OA.24.00129. PMID: 39600799; PMCID: PMC11584216.

76: Salmio A, Rissanen AE, Kurkela JLO, Rottensteiner M, Seipäjärvi S, Juurakko J, Kujala UM, Laukkanen JA, Wikgren J. Cardiorespiratory fitness is linked with heart rate variability during stress in "at-risk" adults. *J Sports Med Phys Fitness*. 2024 Apr;64(4):334-347. doi: 10.23736/S0022-4707.23.15373-4. Epub 2024 Jan 11. PMID: 38213267.

77: Partanen A, Waage A, Peceliunas V, Schjesvold F, Anttila P, Säily M, Uttervall K, Putkonen M, Carlson K, Haukas E, Sankelo M, Szatkowski D, Hansson M, Marttila A, Svensson R, Axelsson P, Lauri B, Mikkola M, Karlsson C, Abellsson J, Ahlstrand E, Sikiö A, Klimkowska M, Matuzeviciene R, Fenstad MH, Ilveskero S, Pelliniemi TT, Nahi H, Silvennoinen R. Ixazomib, Lenalidomide, and Dexamethasone (IRD) Treatment with Cytogenetic Risk-Based Maintenance in Transplant-Eligible Myeloma: A Phase 2 Multicenter Study by the Nordic Myeloma Study Group. *Cancers (Basel)*. 2024 Feb 29;16(5):1024. doi: 10.3390/cancers16051024. PMID: 38473382; PMCID: PMC10930875.

78: Kastinen M, Sirniö P, Elomaa H, Äijälä VK, Karjalainen H, Tapiainen VV, Pohjanen VM, Kempainen J, Sliashynskaya K, Ahtiainen M, Rintala J, Meriläinen S, Rautio T, Saarnio J, Mattila TT, Lindgren O, Wirta EV, Helminen O, Seppälä TT, Böhm J, Mecklin JP, Tuomisto A, Mäkinen MJ, Väyrynen JP. Establishing Criteria for Tumor Necrosis as Prognostic Indicator in Colorectal Cancer. *Am J Surg Pathol*. 2024 Oct 1;48(10):1284-1292. doi: 10.1097/PAS.0000000000002286. Epub 2024 Jul 15. PMID: 39004843; PMCID: PMC11404753.

79: Ballin M, Berglind D, Henriksson P, Neovius M, Nordström A, Ortega FB, Sillanpää E, Nordström P, Ahlqvist VH. Adolescent Cardiorespiratory Fitness and Risk of Cancer in Late Adulthood: Nationwide Sibling-Controlled Cohort Study. *medRxiv [Preprint]*. 2024 Jul 3:2024.07.01.24309761. doi: 10.1101/2024.07.01.24309761. PMID: 39006434; PMCID: PMC11245056.

80: Kunutsor SK, Isiozor NM, Kurl S, Laukkanen JA. Enhancing Cardiorespiratory Fitness Through Sauna Bathing: Insights From the Kuopio Ischemic Heart Disease Prospective Study. *J Cardiopulm Rehabil Prev*. 2024 Jul 1;44(4):295-300. doi: 10.1097/HCR.0000000000000876. Epub 2024 Jun 6. PMID: 38836690.



Tutkimuspalvelut
Julkaisuluettelo 2024
10.01.2024

81: Rantakokko M, Matikainen-Tervola E, Aartolahti E, Sihvonen S, Chichaeva J, Finni T, Cronin N. Gait Features in Different Environments Contributing to Participation in Outdoor Activities in Old Age (GaitAge): Protocol for an Observational Cross-Sectional Study. *JMIR Res Protoc.* 2024 Apr 29;13:e52898. doi: 10.2196/52898. PMID: 38684085; PMCID: PMC11091809.

82: Erkkola R, Gonzales-Inca C, Vahtera J, Bergroth E, Korppi M, Camargo CA, Jartti T. Residential Area Characteristics Are Associated With Asthma Burden in Children. *Pediatr Pulmonol.* 2024 Dec 5:e27436. doi: 10.1002/ppul.27436. Epub ahead of print. PMID: 39636154.

83: Ahola J, Kekäläinen T, Kinnunen ML, Tolvanen A, Pitkänen T, Pulkkinen L, Saajanaho M, Kokko K. Stability in health behavior patterns in middle adulthood: a 19-year follow-up study. *Psychol Health.* 2024 Feb 22:1-21. doi:10.1080/08870446.2024.2316676. Epub ahead of print. PMID: 38389311.

84: Pan E, Nielsen SJ, Landenhed-Smith M, Törngren C, Björklund E, Hansson EC, Jeppsson A, Martinsson A. Statin treatment after surgical aortic valve replacement for aortic stenosis is associated with better long-term outcome. *Eur J Cardiothorac Surg.* 2024 Feb 1;65(2):ezae007. doi: 10.1093/ejcts/ezae007. PMID: 38273669; PMCID: PMC11462679.

85: Åkerla J, Helminen O, Väyrynen JP, Parkkinen A, Järvenpää H, Böhm J, Ahtiainen M, Seikkula H. CD3+ and CD8+ T cell-based immune cell score as a prognostic factor in clear-cell renal cell carcinoma. *Acta Oncol.* 2024 Mar 28;63:105-110. doi: 10.2340/1651-226X.2024.19690. PMID: 38578213; PMCID: PMC11332446.

86: Kuittinen T, Mentula M, Tulokas S, Brummer T, Jalkanen J, Tomas E, Mäkinen J, Sjöberg J, Härkki P, Rahkola-Soisalo P. Recurrent pelvic organ prolapse after hysterectomy; a 10-year national follow-up study. *Arch Gynecol Obstet.* 2024 Nov;310(5):2705-2715. doi: 10.1007/s00404-024-07615-x. Epub 2024 Jul 8. PMID: 38976021; PMCID: PMC11485282.

87: Komulainen T, Daymond P, Hietanen KE, Kaartinen IS, Järvinen TAH. Myofibroblasts reside in the middle dermis of the keloids but do not predict the response to injection therapies: a double-blinded, randomized, controlled trial. *Front Med (Lausanne).* 2024 Mar 1;11:1293028. doi: 10.3389/fmed.2024.1293028. PMID: 38495113; PMCID: PMC10943694.

88: Kangas ES, Li X, Vuoriainen E, Lindeman S, Astikainen P. Intensity dependence of auditory evoked potentials distinguish participants with unmedicated depression from non-depressed controls. *Eur J Neurosci.* 2024 Nov;60(10):6440-6469. doi: 10.1111/ejn.16569. Epub 2024 Oct 14. PMID: 39401940.



Tutkimuspalvelut
Julkaisuluettelo 2024
10.01.2024

- 89: Laukkanen JA, Kunutsor SK, Immonen J, Hernesniemi J, Karvanen J, Eskola M; KARDIO study group. Diabetes and mortality risk in patients undergoing coronary angiography: The KARDIO study. *Catheter Cardiovasc Interv.* 2024 Oct;104(4):743-750. doi: 10.1002/ccd.31212. Epub 2024 Sep 2. PMID: 39219466.
- 90: Kangas P, Soini S, Pamilo K, Kervinen V, Kinnunen ML. Return to Work Following Hip or Knee Arthroplasty: A One-Year Prospective Cohort Study in Participants with Direct Referral from Hospital to Occupational Health Care Services. *J Occup Rehabil.* 2024 Jun 19. doi: 10.1007/s10926-024-10218-7. Epub ahead of print. PMID: 38896401.
- 91: Sukanen M, Khair RM, Reito A, Ponkilainen V, Paloneva J, Cronin N, Hautala AJ, Finni T. Early Predictors of Recovery From Nonoperatively Treated Achilles Tendon Rupture: 1 Year Follow-Up Study. *Scand J Med Sci Sports.* 2024 Jul;34(7):e14700. doi: 10.1111/sms.14700. PMID: 39010659.
- 92: Krohn M, Rintala A, Immonen J, Sjögren T. The Effectiveness of Therapeutic Exercise Interventions With Virtual Reality on Balance and Walking Among Persons With Chronic Stroke: Systematic Review, Meta-Analysis, and Meta-Regression of Randomized Controlled Trials. *J Med Internet Res.* 2024 Dec 2;26:e59136. doi: 10.2196/59136. PMID: 39621381.
- 93: Harmanen M, Sorigue M, Khan M, Prusila R, Klaavuniemi T, Kari E, Jantunen E, Sunela K, Rajamäki A, Alanne E, Kuitunen H, Jukkola A, Sancho JM, Kuitinen O, Rönkä A. Front-line and second-line treatment for mantle cell lymphoma in clinical practice: A multicenter retrospective analysis. *Eur J Haematol.* 2024 Aug;113(2):218-226. doi: 10.1111/ejh.14219. Epub 2024 Apr 25. PMID: 38661269.
- 94: Heikkinen J, Kärkkäinen H, Eloranta ML, Anttila M. Postoperative Complications of Upfront Ovarian Cancer Surgery and Their Effects on Chemotherapy Delay. *Curr Oncol.* 2024 Sep 19;31(9):5630-5642. doi: 10.3390/curroncol31090417. PMID: 39330045; PMCID: PMC11430809.
- 95: Prezja F, Annala L, Kiiskinen S, Lahtinen S, Ojala T, Ruusuvoori P, Kuopio T. Improving performance in colorectal cancer histology decomposition using deep and ensemble machine learning. *Heliyon.* 2024 Sep 10;10(18):e37561. doi: 10.1016/j.heliyon.2024.e37561. PMID: 39309850; PMCID: PMC11415691.
- 96: Cederqvist S, Flinkkilä T, Tuominen A, Sormaala M, Ylinen J, Kautiainen H, Sirniö K, Pamilo K, Kiviranta I, Paloneva J; SURFIN group. Health-related quality of life influences surgical decisions in patients with rotator cuff disease. *Bone Jt Open.* 2024 Sep 20;5(9):793-799. doi: 10.1302/2633-1462.59.BJO-2024-0092.R1. PMID: 39301809; PMCID: PMC11413972.

97: Päckilä TS, Seppälä TS, Vähäsalo P, Karttunen TJ. Histological synovitis score in juvenile idiopathic arthritis and other pediatric synovial inflammatory conditions. *Pathol Res Pract*. 2024 Nov;263:155588. doi: 10.1016/j.prp.2024.155588. Epub 2024 Sep 12. PMID: 39303406.

98: Uimonen M, Helminen O, Sihvo E, Kauppila JH; FINEGO. Optimal lymph node yield in oesophagectomy for oesophageal cancer: a nationwide population-based study. *Eur J Cardiothorac Surg*. 2024 Mar 1;65(3):ezae090. doi: 10.1093/ejcts/ezae090. PMID: 38457603.

99: Vaajala M, Liukkonen R, Kuitunen I, Ponkilainen V, Mattila VM, Kekki M. Fear of Childbirth After Major Orthopedic Traumas: A Nationwide Multi-Register Analysis. *Birth*. 2024 Aug 30. doi: 10.1111/birt.12869. Epub ahead of print. PMID: 39215429.

100: Ax M, Palola V, Ponkilainen V, Launonen AP, Mattila VM. Duration of sick leave after operated and non-operated distal radial fracture: a Finnish cohort study of 19,995 patients. *J Hand Surg Eur Vol*. 2024 Mar;49(3):316-321. doi: 10.1177/17531934231194673. Epub 2023 Aug 25. PMID: 37624727; PMCID: PMC10882944.

101: Seikkula H, Hyysalo J, Högerman M, Boström PJ, Ettala O. The accuracy of ultrasensitive PSA in predicting disease progression after radical prostatectomy. *BJUI Compass*. 2024 Sep 15;5(11):1106-1113. doi: 10.1002/bco2.413. PMID: 39539557; PMCID: PMC11557256.

102: Hafrén L, Mäkinen LK, Haapaniemi A, Jokela J, Saarinen R. Removal of parotid sialoliths; techniques, complications, and success rate-A cohort study. *Clin Otolaryngol*. 2024 May;49(3):337-342. doi: 10.1111/coa.14141. Epub 2024 Jan 16. PMID: 38229214.

103: Olkinuora A, Mäki-Nevala S, Ukwattage S, Ristimäki A, Ahtiainen M, Mecklin JP, Peltomäki P. Novel insights into tumorigenesis revealed by molecular analysis of Lynch syndrome cases with multiple colorectal tumors. *Front Oncol*. 2024 Apr 25;14:1378392. doi: 10.3389/fonc.2024.1378392. PMID: 38725616; PMCID: PMC11079657.

104: Lähdetie J, Muñoz-Ruiz M, Kokki H. Does the absence or presence of sleep spindles on EEG have prognostic value for cognitive outcome in children with infantile epileptic spasms syndrome? A systematic literature review. *Epileptic Disord*. 2024 Feb;26(1):60-68. doi: 10.1002/epd2.20192. Epub 2024 Jan 18. PMID: 38116687.

105: Jalanko P, Bond B, Laukkanen JA, Brage S, Ekelund U, Laitinen T, Määttä S, Kähönen M, Haapala EA, Lakka TA. Association between arterial health and cognition in adolescents: The PANIC study. *Physiol Rep*. 2024 May;12(9):e16024. doi: 10.14814/phy2.16024. PMID: 38697946; PMCID: PMC11065692.



Tutkimuspalvelut
Julkaisuluettelo 2024
10.01.2024

- 106: Ylinen J, Häkkinen A, Kautiainen H, Multanen J. Preferences and Avoidance of Sleeping Positions Among Patients With Chronic Low Back Pain: A Cross-Sectional Study. *Cureus*. 2024 May 6;16(5):e59772. doi: 10.7759/cureus.59772. PMID: 38846227; PMCID: PMC11153877.
- 107: Kuronen JAE, Riski B, Leppänen OV, Karjalainen T, Linnanmäki L. The Learning Curves of Adelaide- and Gan-Modified Lim-Tsai Flexor Tendon Repair Techniques. *J Hand Surg Am*. 2024 Oct 3:S0363-5023(24)00427-1. doi: 10.1016/j.jhsa.2024.09.004. Epub ahead of print. PMID: 39365242.
- 108: Araújo CGS, de Souza E Silva CG, Kunutsor SK, Franklin BA, Laukkanen JA, Myers J, Fiatarone Singh MA, Franca JF, Castro CLB. Reduced Body Flexibility Is Associated With Poor Survival in Middle-Aged Men and Women: A Prospective Cohort Study. *Scand J Med Sci Sports*. 2024 Aug;34(8):e14708. doi: 10.1111/sms.14708. PMID: 39165228.
- 109: Hämäläinen A, Patovirta RL, Vuorinen S, Leppäaho-Lakka J, Kilpinen S, Sieberns J, Ruotsalainen E, Koivula I, Hämäläinen S. COVID-19 vaccination among health care workers in Finland: coverage, perceptions and attitudes. *Scand J Public Health*. 2024 May;52(3):309-315. doi: 10.1177/14034948231203779. Epub 2024 Jan 3. PMID: 38166531; PMCID: PMC11067404.
- 110: Hyvärinen M, Karvanen J, Karppinen JE, Karavirta L, Juppi HK, Tammelin TH, Kovanen V, Laukkanen J, Aukee P, Sipilä S, Rantalainen T, Laakkonen EK. The role of cardiorespiratory fitness and body composition in the association between physical activity and menopausal symptoms. *Menopause*. 2024 Sep 1;31(9):828-836. doi: 10.1097/GME.0000000000002397. Epub 2024 Jul 20. PMID: 39042026; PMCID: PMC11469623.
- 111: Heikkilä A, Vanhanen A, Rossi M, Koivumäki T, Postema M, Boman E. osimetric consequences of adapting the craniocaudal isocenter distance to daily patient position in craniospinal irradiation using volumetric modulated arc therapy. *J Appl Clin Med Phys*. 2024 Oct 24:e14530. doi: 10.1002/acm2.14530. Epub ahead of print. PMID: 39447199.
- 112: Juhantalo M, Hautakangas T, Palomäki O, Uotila J. Uterine contractile activity and neonatal outcome - A blind analysis of a randomized controlled trial cohort. *Acta Obstet Gynecol Scand*. 2024 Jul;103(7):1396-1407. doi: 10.1111/aogs.14838. Epub 2024 Apr 3. PMID: 38567650; PMCID: PMC11168260.
- 113: Pakarinen O, Saarinen AJ, Ponkilainen VT, Uimonen M, Helenius I, Kuitunen I. Soft bandage, splint or cast as the treatment of distal forearm torus fracture in children: a systematic review and meta-analysis. *Sci Rep*. 2024 Sep 9;14(1):21052. doi: 10.1038/s41598-024-71970-7. PMID: 39251716; PMCID: PMC11384769.

114: Kiljander T, Kauhanen P, Sillanmäki S, Lottonen-Raikaslehto L, Husso M, Ylä-Herttua E, Saari P, Kokkonen J, Laukkanen J, Mustonen P, Hedman M. Repaired coarctation of the aorta does not affect four-dimensional flow metrics in bicuspid aortic valve disease. *Interdiscip Cardiovasc Thorac Surg.* 2024 May 2;38(5):ivae086. doi: 10.1093/icvts/ivae086. PMID: 38704861; PMCID: PMC11101282.

115: Haapala EA, Leppänen MH, Lee E, Savonen K, Laukkanen JA, Kähönen M, Brage , Lakka TA. Accumulating Sedentary Time and Physical Activity From Childhood to Adolescence and Cardiac Function in Adolescence. *J Am Heart Assoc.* 2024 Mar 19;13(6):e031837. doi: 10.1161/JAHA.123.031837. Epub 2024 Mar 18. PMID: 38497441; PMCID: PMC11010014.

116: Kärnä L, Launonen AP, Luokkala T, Reito A. Routine follow-up imaging is not necessary in uneventful early recovery after distal radius fractures treated with volar locking plate in working-aged patients: A retrospective single-center cohort study. *Scand J Surg.* 2024 Sep;113(3):189-196. doi: 10.1177/14574969241234740. Epub 2024 Apr 15. PMID: 38618994.

117: Li Y, Li G, Laukkanen JA, Wei L, Chen X. Higher LDL-C/HDL-C Ratio Is Associated with Elevated HbA1c and Decreased eGFR Levels and Cardiac Remodeling in Elderly with Hypercholesterolemia. *J Cardiovasc Dev Dis.* 2024 Apr 30;11(5):140. doi: 10.3390/jcdd11050140. PMID: 38786962; PMCID: PMC11122430.

118: Saarimäki SM, Reiterä P, Täckman A, Arokoski J, Vainionpää A, Kallinen M, Tallqvist S, Koskinen E, Hämäläinen H, Kauppila AM, Anttila H, Hiekkala S. Environmental barriers perceived by the Finnish population with spinal cord injury: a cross-sectional survey. *Spinal Cord.* 2024 Jun;62(6):348-355. doi: 10.1038/s41393-024-00990-x. Epub 2024 Apr 23. PMID: 38654113; PMCID: PMC11199142.

119: Bano W, Pulli E, Cantonas L, Sorsa A, Hämäläinen J, Karlsson H, Karlsson L, Saukko E, Sainio T, Peuna A, Korja R, Aro M, Leppänen PHT, Tuulari JJ, Merisaari H. Implementing ABCD study MRI sequences for multi-site cohort studies: Practical guide to necessary steps, preprocessing methods, and challenges. *MethodsX.* 2024 Jun 1;12:102789. doi: 10.1016/j.mex.2024.102789. PMID: 38966716; PMCID: PMC11223117.

120: Ponkilainen V, Nurmi H. Abandoning the use of tension in tibial fracture nailing is associated with lower rate for acute compartment syndrome? *J Orthop Traumatol.* 2024 Sep 9;25(1):42. doi: 10.1186/s10195-024-00780-4. PMID: 39249611; PMCID: PMC11384669.

- 121: Eriksson MI, Hietala K, Summanen P, Harjutsalo V, Putaala J, Ylinen A, Hägg-Holmberg S, Groop PH, Thorn LM; FinnDiane Study. Stroke incidence increases with diabetic retinopathy severity and macular edema in type 1 diabetes. *Cardiovasc Diabetol*. 2024 Apr 25;23(1):136. doi: 10.1186/s12933-024-02235-w. PMID: 38664827; PMCID: PMC11046873.
- 122: Kukkonen T, Rosqvist E, Ylönen M, Mäkeläinen A, Paloneva J, Antikainen T. A Low Cost Emergency Laparotomy Task Trainer for Major Abdominal Bleeding: An Option for Surgical Residents to Learn Lifesaving Basic Surgical Skills. *EJVES Vasc Forum*. 2024 Apr 17;61:105-111. doi: 10.1016/j.ejvsf.2024.04.002. PMID: 38746648; PMCID: PMC11090882.
- 123: Sievänen T, Jokela T, Hyvärinen M, Korhonen TM, Pylvänäinen K, Mecklin JP, Karvanen J, Sillanpää E, Seppälä TT, Laakkonen EK. Circulating miRNA Signature Predicts Cancer Incidence in Lynch Syndrome-A Pilot Study. *Cancer Prev Res (Phila)*. 2024 Jun 4;17(6):243-254. doi: 10.1158/1940-6207.CAPR-23-0368. PMID: 38551987; PMCID: PMC11148538.
- 124: Onchong'a B, Sokka-Isler T, Mäntyselkä P, Voutilainen A. COVID-19 prevalence and all-cause mortality among musculoskeletal inpatients in Nairobi, Kenya in comparison to non-musculoskeletal patients. *Clin Exp Rheumatol*. 2024 Mar;42(3):769-770. doi: 10.55563/clinexprheumatol/qa113s. Epub 2023 Dec 22. PMID: 38147313.
- 125: Wei L, Laukkanen JA, Li Y, Chen X, Li G. Association of High apoB/apoA1 Ratio with Increased Erythrocytes, Platelet/Lymphocyte Ratio, D-dimer, Uric Acid and Cardiac Remodeling in Elderly Heart Failure Patients: A Retrospective Study. *Int J Gen Med*. 2024 May 15;17:2151-2161. doi: 10.2147/IJGM.S465053. PMID: 38766597; PMCID: PMC11099934.
- 126: Henson J, Yates T, Bhattacharjee A, Chudasama YV, Davies MJ, Dempsey PC, Goldney J, Khunti K, Laukkanen JA, Razieh C, Rowlands AV, Zaccardi F. Walking pace and the time between the onset of noncommunicable diseases and mortality: a UK Biobank prospective cohort study. *Ann Epidemiol*. 2024 Feb;90:21-27. doi: 10.1016/j.annepidem.2023.10.001. Epub 2024 Jan 4. PMID: 37820945.
- 127: Mankinen M, Virén T, Seppälä J, Koivumäki T. Interfractional variation in whole-breast VMAT irradiation: a dosimetric study with complementary SGRT and CBCT patient setup. *Radiat Oncol*. 2024 Feb 13;19(1):21. doi: 10.1186/s13014-024-02418-5. PMID: 38347554; PMCID: PMC10863193.
- 128: Ahola J, Kekäläinen T, Chastin S, Rantalainen T, Kinnunen ML, Pulkkinen L, Kokko K. Do personality profiles contribute to patterns of physical activity and sedentary behavior in adulthood? A prospective cohort study. *Int J Behav Nutr Phys Act*. 2024 Sep 26;21(1):107. doi: 10.1186/s12966-024-01662-y. PMID: 39327609; PMCID: PMC11426097.



Tutkimuspalvelut
Julkaisuluettelo 2024
10.01.2024

129: Hansson EC, Martinsson A, Baranowska J, Törngren C, Pan E, Björklund E, Karlsson M. Betablockers and clinical outcome after surgical aortic valve replacement: a report from the SWEDEHEART registry. *Eur J Cardiothorac Surg.* 2024 Oct 1;66(4):ezae365. doi: 10.1093/ejcts/ezae365. PMID: 39374543; PMCID: PMC11486502.

130: Ylönen M, Paajanen P, Kukkonen T, Torkki P, Paloneva J, Rosqvist E. From emergency room to operating room: multidisciplinary simulation training in emergency laparotomy for ruptured abdominal aortic aneurysm - learning outcomes and costs. *Ann Vasc Surg.* 2024 Nov 29:S0890-5096(24)00730-1. doi: 10.1016/j.avsg.2024.11.017. Epub ahead of print. PMID: 39617299.

131: Enström P, Martinsson A, Rezk M, Nielsen S, Björklund E, Landenhed-Smith M, Pan E, Jeppsson A. The four-item PRECISE-DAPT score identifies coronary artery bypass grafting patients with increased risk for post-discharge major bleeding. *Eur Heart J Cardiovasc Pharmacother.* 2024 Aug 20:pvae060. doi: 10.1093/ehjcvp/pvae060. Epub ahead of print. PMID: 39165114.

132: Eriksson MI, Hietala K, Summanen P, Harjutsalo V, Putaala J, Ylinen A, Hägg-Holmberg S, Groop PH, Thorn LM; FinnDiane Study. Stroke incidence increases with diabetic retinopathy severity and macular edema in type 1 diabetes. *Cardiovasc Diabetol.* 2024 Apr 25;23(1):136. doi: 10.1186/s12933-024-02235-w. PMID: 38664827; PMCID: PMC11046873.

133: Alanko T, Kröger T, Nikander R, Piirainen A, Vuoskoski P. Rehabilitees' conceptions of participation after a six-month rehabilitation period: a phenomeno-graphic study. *Physiother Theory Pract.* 2024 Nov;40(11):2591-2603. doi: 10.1080/09593985.2023.2275703. Epub 2023 Nov 7. PMID: 37933612.

134: Lindeman K, Koivunen K, Rantalainen T, Rantakokko M, Portegijs E, Rantanen T, Karavirta L. Reciprocal Associations Between Relative or Absolute Physical Activity, Walking Performance, and Autonomy in Outdoor Mobility Among Older Adults: A 4-Year Follow-Up. *J Aging Health.* 2024 Sep 11:8982643241282918. doi: 10.1177/08982643241282918. Epub ahead of print. PMID: 39259875.

135: Ponkilainen V, Laurema A, Mattila VM, Karjalainen T. Erratum: Regional variation in low-value musculoskeletal surgery: a nationwide study from the Finnish Care Register. *Acta Orthop.* 2024 Nov 11;95:633-638. doi: 10.2340/17453674.2024.42413. Erratum for: *Acta Orthop.* 2024 Sep 20;95:553-561. doi: 10.2340/17453674.2024.41930. PMID: 39527580; PMCID: PMC11555093.

136: Jae SY, Gwon JG, Kurl S, Kunutsor SK, Laukkanen JA. Association Between Exercise Systolic Blood Pressure and Risk of Stroke in Men With and Without Cardiovascular Disease. *J Cardiopulm Rehabil Prev.* 2024 Sep 1;44(5):377-381. doi: 10.1097/HCR.0000000000000889. Epub 2024 Sep 3. PMID: 39185912.

137: Serlo M, Inkinen N, Lakkisto P, Valkonen M, Pulkkinen A, Selander T, Pettilä V, Vaara ST. Fluid bolus increases plasma hyaluronan concentration compared to follow-up strategy without a bolus in oliguric intensive care unit patients. *Sci Rep.* 2024 Sep 6;14(1):20808. doi: 10.1038/s41598-024-71670-2. PMID: 39242877; PMCID: PMC11379687.

138: Junttila A, Helminen O, Helmiö M, Huhta H, Jalkanen A, Kallio R, Koivukangas V, Kokkola A, Laine S, Lietzen E, Louhimo J, Meriläinen S, Pohjanen VM, Rantanen T, Ristimäki A, Räsänen JV, Saarnio J, Sihvo E, Toikkanen V, Tyrväinen T, Valtola A, Kauppila JH; Finnish National Esophago-Gastric Cancer Cohort Group. Postoperative delayed emptying after total, subtotal, or distal gastrectomy for gastric cancer: a population-based study. *J Gastrointest Surg.* 2024 Jul;28(7):1083-1088. doi: 10.1016/j.gassur.2024.04.026. Epub 2024 May 3. PMID: 38705370.

139: Kvist E, Helminen O, Helmiö M, Huhta H, Jalkanen A, Junttila A, Kallio R, Koivukangas V, Kokkola A, Laine S, Lietzen E, Louhimo J, Meriläinen S, Pohjanen VM, Rantanen T, Ristimäki A, Räsänen JV, Saarnio J, Sihvo E, Toikkanen V, Tyrväinen T, Valtola A, Kauppila JH; FINEGO group. Stapled vs handsewn anastomosis and anastomotic leaks in gastric cancer surgery—a population-based nationwide study in Finland. *J Gastrointest Surg.* 2024 Jun;28(6):820-823. doi: 10.1016/j.gassur.2024.03.005. Epub 2024 Mar 12. PMID: 38599994.

140: Pohjola V, Sarttila K, Kuusela M, Nikander R, Lundqvist A, Lahti J. Association between physical fitness and perceived work ability among Finnish population: a cross-sectional study. *Int Arch Occup Environ Health.* 2024 May;97(4):451-460. doi: 10.1007/s00420-024-02058-y. Epub 2024 Mar 25. PMID: 38526567; PMCID: PMC10999380.

141: Junttila A, Helminen O, Helmiö M, Huhta H, Jalkanen A, Kallio R, Koivukangas V, Kokkola A, Laine S, Lietzen E, Louhimo J, Meriläinen S, Pohjanen VM, Rantanen T, Ristimäki A, Räsänen JV, Saarnio J, Sihvo E, Toikkanen V, Tyrväinen T, Valtola A, Kauppila JH; FINEGO Group. Comparison of Postoperative Complications After Gastrectomy for Gastric Cancer with Antecolic Versus Retrocolic Reconstruction: A Population-Based Study. *Ann Surg Oncol.* 2024 Aug;31(8):5263-5272. doi: 10.1245/s10434-024-15415-5. Epub 2024 May 15. PMID: 38750189; PMCID: PMC11236863.

142: Jaskari J, Sahlsten J, Summanen P, Moilanen J, Lehtola E, Aho M, Säpyskä E, Hietala K, Kaski K. DR-GPT: A large language model for medical report analysis of diabetic retinopathy patients. *PLoS One*. 2024 Oct 11;19(10):e0297706. doi: 10.1371/journal.pone.0297706. PMID: 39392790; PMCID: PMC11469499.

143: Weman L, Salo H, Kuusalo L, Huhtakangas J, Vähäsalo P, Backström M, Kärki J, Sokka-Isler T. Intense symptoms of pain are associated with poor sleep, fibromyalgia, depression and sleep apnea in patients with rheumatoid arthritis and psoriatic arthritis. A register-based study. *Joint Bone Spine*. 2024 Sep;91(5):105744. doi: 10.1016/j.jbspin.2024.105744. Epub 2024 May 23. PMID: 38795765.

144: Weman L, Salo H, Kuusalo L, Huhtakangas J, Kärki J, Vähäsalo P, Backström M, Sokka-Isler T. Similar levels of disease activity and remission rates in patients with psoriatic arthritis and rheumatoid arthritis-results from the Finnish quality register. *Clin Rheumatol*. 2024 Feb;43(2):633-643. doi: 10.1007/s10067-023-06850-y. Epub 2023 Dec 28. PMID: 38153614; PMCID: PMC10834563.

145: Hiltunen N, Kemi N, Väyrynen JP, Böhm J, Kauppila JH, Huhta H, Helminen O. Toll-like receptors 1-9 in small bowel neuroendocrine tumors-Clinical significance and prognosis. *PLoS One*. 2024 May 6;19(5):e0302813. doi: 10.1371/journal.pone.0302813. PMID: 38709790; PMCID: PMC11073674.

146: Kangas ES, Li X, Vuoriainen E, Lindeman S, Astikainen P. Intensity dependence of auditory evoked potentials distinguish participants with unmedicated depression from non-depressed controls. *Eur J Neurosci*. 2024 Nov;60(10):6440-6469. doi: 10.1111/ejn.16569. Epub 2024 Oct 14. PMID: 39401940.

147: Palmio J, Kiviranta P, Hartikainen PH, Isohanni P, Auranen M, Videman K, Penttilä S, Lehtinen S, Kirjavainen J, Hintikka S, Paloviita K, Saarela J, Udd B. Homozygosity of a Founder Variant c.1508dupC in DOK7 Causes Congenital Myasthenia With Variable Severity. *Neurol Genet*. 2024 May 7;10(3):e200155. doi: 10.1212/NXG.0000000000200155. PMID: 38725677; PMCID: PMC11081763.

148: Ponkilainen V, Laurema A, Mattila VM, Karjalainen T. Regional variation in low-value musculoskeletal surgery: a nationwide study from the Finnish Care Register. *Acta Orthop*. 2024 Sep 20;95:553-561. doi: 10.2340/17453674.2024.41930. Erratum in: *Acta Orthop*. 2024 Nov 11;95:633-638. doi: 10.2340/17453674.2024.42413. PMID: 39301978; PMCID: PMC11415780.



Tutkimuspalvelut
Julkaisuluettelo 2024
10.01.2024

149: Savikangas T, Savolainen T, Tirkkonen A, Alén M, Hautala AJ, Laukkanen JA, Rantalainen T, Törmäkangas T, Sipilä S. The Impact of Multimorbidity Patterns on Changes in Physical Activity and Physical Capacity Among Older Adults Participating in a Year-Long Exercise Intervention. *J Aging Phys Act.* 2023 Dec 4;32(2):213-224. doi: 10.1123/japa.2022-0397. PMID: 38048763.

150: Heikkilä A, Boman E, Rossi M, Vanhanen A, Mankinen M, Postema M, Koivumäki T. Dosimetric effect of rotational setup errors in volumetric modulated arc therapy and field-in-field treatment of left-sided breast cancer. *Phys Med.* 2024 Jan;117:103203. doi: 10.1016/j.ejmp.2023.103203. Epub 2024 Jan 2. PMID: 38171219.

151: Kalske R, Kiadaliri A, Sihvonen R, Englund M, Turkiewicz A, Paavola M, Malmivaara A, Itälä A, Joukainen A, Nurmi H, Toivonen P, Taimela S, Järvinen TLN; FIDELITY (Finnish Degenerative Meniscal Lesion Study) Investigators. Arthroscopic Partial Meniscectomy for a Degenerative Meniscus Tear Is Not Cost Effective Compared With Placebo Surgery: An Economic Evaluation Based on the FIDELITY Trial Data. *Clin Orthop Relat Res.* 2024 Sep 1;482(9):1523-1533. doi: 10.1097/CORR.0000000000003094. Epub 2024 May 7. PMID: 38905520; PMCID: PMC11343554.

152: Jyrkilä H, Kaartinen K, Martola L, Halminen O, Haukka J, Linna M, Mustonen P, Putaala J, Teppo K, Kinnunen J, Hartikainen J, Airaksinen KEJ, Lehto M. Comorbidity and Medication Trends in Chronic Kidney Disease and Incident Atrial Fibrillation: A Nationwide Cohort Study. *Nephron.* 2024 Jun 11:1-13. doi: 10.1159/000539603. Epub ahead of print. PMID: 38861935.

153: Siltanen S, Tuomola EM, Kauppinen M, Keskinen KE, Rantanen T, von Bonsdorff M. Outdoor mobility in senior housing residents and community-dwelling older people in different population density areas. *BMC Public Health.* 2024 Nov 26;24(1):3286. doi: 10.1186/s12889-024-20759-4. PMID: 39592988; PMCID: PMC11590310.

154: Kunutsor SK, Kurl S, Jae SY, Jassal DS, Savonen K, Laukkanen JA. The Interplay of Type 2 Diabetes Status, Cardiorespiratory Fitness Level, and Sudden Cardiac Death: A Prospective Cohort Study. *CJC Open.* 2024 Aug 22;6(11):1403-1410. doi: 10.1016/j.cjco.2024.08.007. PMID: 39582703; PMCID: PMC11583876.

155: Kunutsor SK, Laukkanen JA. Hemodynamic gain index and risk of chronic kidney disease: A prospective cohort study of middle-aged and older men. *Geroscience.* 2024 Oct;46(5):5211-5215. doi: 10.1007/s11357-024-01184-2. Epub 2024 May 6. PMID: 38705965; PMCID: PMC11335700.

156: Junttila A, Helminen O, Helmiö M, Huhta H, Jalkanen A, Kallio R, Koivukangas V, Kokkola A, Laine S, Lietzen E, Louhimo J, Meriläinen S, Pohjanen VM, Rantanen T, Ristimäki A, Räsänen JV, Saarnio J, Sihvo E, Toikkanen V, Tyrväinen T, Valtola A, Kauppila JH; Finnish National Esophago-Gastric Cancer Cohort Group. Impact of splenectomy on long-term outcomes after gastrectomy for gastric cancer: a population-based study. *J Gastrointest Surg.* 2024 Dec;28(12):2090-2096. doi: 10.1016/j.gassur.2024.10.009. Epub 2024 Oct 10. PMID: 39393772.

157: Walker S, Sahinaho UM, Vekki S, Sulonen M, Laukkanen JA, Sipilä S, Peltonen H, Laakkonen E, Lehti M. Two-week step-reduction has limited negative effects on physical function and metabolic health in older adults. *Eur J Appl Physiol.* 2024 Jul;124(7):2019-2033. doi: 10.1007/s00421-024-05426-1. Epub 2024 Feb 21. PMID: 38383794; PMCID: PMC11199225.

158: Savikangas T, Kekäläinen T, Tirkkonen A, Sipilä S, Kokko K. The associations of positive and negative mental well-being with physical activity during the COVID-19 across late adulthood. *BMC Public Health.* 2024 Nov 26;24(1):3288. doi: 10.1186/s12889-024-20803-3. PMID: 39592965; PMCID: PMC11600867.

159: Matikainen-Tervola E, Cronin N, Aartolahti E, Sihvonen S, Sansgiri S, Finni T, Mattila OP, Rantakokko M. Validity of IMU sensors for assessing features of walking in laboratory and outdoor environments among older adults. *Gait Posture.* 2024 Oct;114:277-283. doi: 10.1016/j.gaitpost.2024.10.013. Epub 2024 Oct 22. PMID: 39442222.

160: Herranen P, Koivunen K, Palviainen T, Kujala UM, Ripatti S, Kaprio J, Sillanpää E, FinnGen. Genome-Wide Polygenic Score for Muscle Strength Predicts Risk for Common Diseases and Lifespan: A Prospective Cohort Study. *J Gerontol A Biol Sci Med Sci.* 2024 Apr 1;79(4):glae064. doi: 10.1093/gerona/glae064. PMID: 38450701; PMCID: PMC10972579.

161: Palmberg L, Suorsa K, Löppönen A, Karavirta L, Rantanen T, Rantalainen T. 24-hour movement behaviors and changes in quality of life over time among community-dwelling older adults: a compositional data analysis. *Int J Behav Nutr Phys Act.* 2024 Nov 12;21(1):130. doi: 10.1186/s12966-024-01681-9. PMID: 39533320; PMCID: PMC11555968.

162: Rips L, Toom A, Kuik R, Varblane A, Mölder H, Kibur R, Laidvere M, Kull M, Kartus JT, Gapeyeva H, Rahu M. High dose vitamin D supplementation decreases the risk of deficiency in male conscripts, but has no effect on physical performance-A randomized study. *J Exp Orthop.* 2024 May 1;11(3):e12023. doi: 10.1002/jeo2.12023. PMID: 38694768; PMCID: PMC11062247.



Tutkimuspalvelut
Julkaisuluettelo 2024
10.01.2024

163: Honkonen EE, Repo JP, Lehtokangas H, Luoma E, Uimonen M, Nurmi S, Ylitalo A, Riuttanen A, Kivelä T, Mattila VM, Suomalainen P. Suprapatellar tibial fracture nailing is associated with lower rate for acute compartment syndrome and the need for fasciotomy compared with the infrapatellar approach. *J Orthop Traumatol.* 2024 Jan 28;25(1):5. doi: 10.1186/s10195-024-00749-3. PMID: 38282098; PMCID: PMC10822828.

164: Laaksonen J, Ponkilainen V, Kuitunen I, Möttönen J, Mattila VM. Pediatric traumatic brain injury and early age multiple sclerosis in Finland: A nationwide register-based cohort study. *Brain Behav.* 2024 Apr;14(4):e3478. doi: 10.1002/brb3.3478. PMID: 38622897; PMCID: PMC11019240.

165: Ahmadzay ZF, Heberg J, Jørgensen JB, Ørnbjerg LM, Østergaard M, Møller-Bisgaard S, Michelsen B, Loft AG, Jones GT, Hellamand P, Scherer A, Nissen MJ, Pavelka K, Závada J, Laas K, Vorobjov S, Nordström D, Sokka-Isler T, Regierer AC, Reich A, Gudbjornsson B, Thorarinsdottir K, Iannone F, Favalli EG, van de Sande M, Provan SA, Kvien TK, Rodrigues AM, Gonçalves CF, Codreanu C, Mogosan C, Rotar Z, Prikmajer KP, Castrejon I, Otero-Varela L, Di Giuseppe D, Wallman JK, Ciurea A, Möller B, Kenar-Artın G, Yıldırım TD, Macfarlane GJ, Rotariu O, Glinthorg B, Hetland ML. Recording of non-musculoskeletal manifestations, comorbidities and safety outcomes in European spondyloarthritis registries: a survey. *Rheumatol Adv Pract.* 2024 Nov 5;8(4):rkae135. doi: 10.1093/rap/rkae135. PMID: 39611201; PMCID: PMC11604170.

167: Räisänen MP., Leppänen OV., Soikkeli J, Reito A, Malmivaara A, Buchbinder R, Kautiainen , Kaivorinne A, Stjernberg-Salmela S, Lappalainen M, Luokkala T, Pönkkö A, Taskinen H, Pääkkönen M, Jaatinen K, Juurakko J, Karjalainen V, Karjalainen T. Leikkaus tehokkainta Dupuytrenin kontraktuuran hoidossa = Surgery, needle fasciotomy, or collagenase injection for Dupuytren contracture : a randomized controlled trial. *Duodecim* 2024;140(5):420.

168: Hupin D, Oriol M, Laukkanen JA, Abraham P, Dulac N, Laugier S, Trauchessec G, Carmaux A, Haber B, Bertoletti L, Costa AD, Roche F. Screening Sportsmen and Sportswomen Over Age 35: The Relevance of an Exercise Electrocardiogram. Data From the SEEPRED Study. *Scand J Med Sci Sports.* 2024 Jul;34(7):e14686. doi: 10.1111/sms.14686. PMID: 38961532

169: Mattila E, Helminen M, Kaunonen M, Neva M, Parkkila AK & Peltokoski J. Finnish nurses' anxiety level in the early stages of the COVID-19 pandemic and 18 months later (2024). *Nordic Journal of Nursing Research*, 44. <https://doi.org/10.1177/20571585241227387>

170: Jurgens SJ, Rämö JT, Kramarenko DR, Wijdeveld LFJM, Haas J, Chaffin MD, Garnier S, Gaziano L, Weng LC, Lipov A, Zheng SL, Henry A, Huffman JE, Challa S, Rühle F, Verdugo CD, Krijger Juárez C, Kany S, van Orsouw CA, Biddinger K, Poel E, Elliott AL, Wang X, Francis C, Ruan R, Koyama S, Beekman L, Zimmerman DS, Deleuze JF, Villard E, Tréguoët DA, Isnard R; FinnGen; VA Million Veteran Program; HERMES Consortium; Boomsma DI, de Geus EJC, Tadros R, Pinto YM, Wilde AAM, Hottenga JJ, Sinisalo J, Niiranen T, Walsh R, Schmidt AF, Choi SH, Chang KM, Tsao PS, Matthews PM, Ware JS, Lumbers RT, van der Crabben S, Laukkanen J, Palotie A, Amin AS, Charron P, Meder B, Ellinor PT, Daly M, Aragam KG, Bezzina CR. Genome-wide association study reveals mechanisms underlying dilated cardiomyopathy and myocardial resilience. *Nat Genet.* 2024 Dec;56(12):2636-2645. doi: 10.1038/s41588-024-01975-5. Epub 2024 Nov 21. Erratum in: *Nat Genet.* 2024 Dec;56(12):2843. doi: 10.1038/s41588-024-02047-4. PMID: 39572784.

171: Henson J, Yates T, Bhattacharjee A, Chudasama YV, Davies MJ, Dempsey PC, Goldney J, Khunti K, Laukkanen JA, Razieh C, Rowlands AV, Zaccardi F. Walking pace and the time between the onset of noncommunicable diseases and mortality: a UK Biobank prospective cohort study. *Ann Epidemiol.* 2024 Feb;90:21-27. doi: 10.1016/j.annepidem.2023.10.001. Epub 2024 Jan 4. PMID: 37820945.

172: Kivivuori A, Lammi P, Eskelinen M, Rantanen T, Paaajanen H, Pulkkinen J, Ukkonen M. Intraoperative Bleeding Complications Leading to Blood Transfusions (BloTs) in 17,412 Cholecystectomies in Finland: A Study With Special Reference to Elderly Patients. *Anticancer Res.* 2024 Oct;44(10):4449-4456. doi: 10.21873/anticancer.17274. PMID: 39348988.

173: Kuitunen I, Ponkilainen VT, Uimonen M. Incorrect blinding assessments are common in meta-analyses published in high impact journals. *J Evid Based Med.* 2024 Sep;17(3):471-473. doi: 10.1111/jebm.12636. Epub 2024 Aug 29. PMID: 39207835.

174: Mattila OP, Rantanen T, Rantakokko M, Karavirta L, Cronin N, Rantalainen T. Laboratory-assessed gait cycle entropy for classifying walking limitations among community-dwelling older adults. *Exp Gerontol.* 2024 Apr;188:112381. doi: 10.1016/j.exger.2024.112381. Epub 2024 Feb 22. PMID: 38382681.

175: Dubovyk V, Vasileiadis GK, Fatima T, Zhang Y, Kapetanovic MC, Kastbom A, Rizk M, Söderbergh A, Zhao SS, van Vollenhoven RF, Hetland ML, Haavardsholm EA, Nordström D, Nurmohamed MT, Gudbjornsson B, Lampa J, Østergaard M, Heiberg MS, Sokka-Isler T, Gröndal G, Lend K, Hørslev-Petersen K, Uhlig T, Rudin A, Maglio C. Obesity is a risk factor for poor response to treatment in early rheumatoid arthritis: a NORD-STAR study. *RMD Open.* 2024 Apr 4;10(2):e004227. doi: 10.1136/rmdopen-2024-004227. PMID: 38580350; PMCID: PMC11148705.

176: Lend K, Koopman FA, Lampa J, Jansen G, Hetland ML, Uhlig T, Nordström D, Nurmohamed M, Gudbjornsson B, Rudin A, Østergaard M, Heiberg MS, Sokka-Isler T, Hørslev-Petersen K, Haavardsholm EA, Grondal G, Twisk JWR, van Vollenhoven R. Methotrexate Safety and Efficacy in Combination Therapies in Patients With Early Rheumatoid Arthritis: A Post Hoc Analysis of a Randomized Controlled Trial. *Arthritis Rheumatol.* 2024 Mar;76(3):363-376. doi: 10.1002/art.42730. Epub 2024 Jan 18. PMID: 37846618.

177: Lend K, Lampa J, Padyukov L, Hetland ML, Heiberg MS, Nordström DC, Nurmohamed MT, Rudin A, Østergaard M, Haavardsholm EA, Hørslev-Petersen K, Uhlig T, Sokka-Isler T, Gudbjornsson B, Grondal G, Frazzei G, Christiaans J, Wolbink G, Rispens T, Twisk JWR, van Vollenhoven RF. Association of rheumatoid factor, anti-citrullinated protein antibodies and shared epitope with clinical response to initial treatment in patients with early rheumatoid arthritis: data from a randomised controlled trial. *Ann Rheum Dis.* 2024 Nov 14;83(12):1657-1665. doi: 10.1136/ard-2024-226024. PMID: 39079894.

178: Vasileiadis GK, Zhang Y, Fatima T, van Vollenhoven R, Lampa J, Gudbjornsson B, Haavardsholm EA, Nordström D, Grondal G, Hørslev-Petersen K, Lend K, Heiberg MS, Hetland ML, Nurmohamed M, Uhlig T, Sokka-Isler T, Rudin A, Maglio C. Circulating Adipokines and Response to Treatment in Patients With Early Rheumatoid Arthritis. *ACR Open Rheumatol.* 2024 Nov 4. doi: 10.1002/acr2.11756. Epub ahead of print. PMID: 39496558.

179: Scheffler JM, Drevinge C, Lindholm C, Gjertsson I, Lend K, Lund Hetland M, Østergaard M, Uhlig T, Schrupf Heiberg M, Haavardsholm EA, Nurmohamed MT, Lampa J, Sokka-Isler T, Nordström D, Hørslev-Petersen K, Gudbjornsson B, Gröndal G, van Vollenhoven R, Carlsten H, Lorentzon M, Hultgård Ekwall AK, Rudin A, Islander U. Circulating Baseline CXCR3 Th2 and Th17 Cell Proportions Correlate With Trabecular Bone Loss After 48 Weeks of Biological Treatment in Early Rheumatoid Arthritis. *ACR Open Rheumatol.* 2024 Oct 16. doi: 10.1002/acr2.11742. Epub ahead of print. PMID: 39411912.

180: Kulmala P, Eriksson T, Ylönen M, Antikainen T. Lääketieteen koulutuksen tutkimus - äyttöön perustuva koulutus on lääkärin osaamisen ja terveydenhuollon vaikuttavuuden ulmakivi. *Duodecim.* 2024 ;140(23):1990-8.

181: Hannula O, Mattila K. Päivystyksellinen vierikaikukuvaus - periaatteita ja esimerkkejä. *Duodecim.* 2024;140(22):1891-9.

182: Kiviranta P, Antikainen T, Hetemäki I, Merenmies J, Niemi-Murola L, Tulonen-Tapio, J, Turunen J, Mäkelä M. Lääkäreiden täydennyskoulutuksen suunnittelu ja toteutus. *Duodecim.* 2024;140(16):1352-8.

183: Tahkola A, Metso S. Diabeteksen hoidon laatu Suomessa - paljon hyvää, mutta myös parannettavaa. *Duodecim*. 2024;140(15):1209-11.

184: Pohju A, Sipponen T, Pikkarainen S. Aikuispotilaan lyhytsuolioireyhtymän konservatiivinen hoito. *Duodecim*. 2024;140(11):933-41.

185: Runsten S. Ikääntyneiden päihdehäiriöt ja riippuvuudet. *Duodecim*. 2024;140(4):327-32.

186: Korteniemi K, Paloviita K, Kuusimäki, T, Rönkä J, Pekkonen E, Viitala M, Kaasinen V. Parkinsonin taudin laiteavusteiset hoidot Varsinais-Suomessa ja Keski-Suomessa vuosina 2000-2022. *Duodecim*. 2024;140(3):243-50.

187: Nurmi J, Saviluoto A, Ljungqvist H, Setälä P. Anestesia ja intubaatio ensihoidossa - haastavat olosuhteet lisäävät hoidon vaativuutta. *Duodecim*. 2023;139(16):1292-8.

188: Koivisto M, Lindeman S. Epävakaaseen persoonallisuuteen liittyvän psykologisen kivun ymmärtämisestä ja kohtaamisesta. *Duodecim*. 2023;139(5):376-383.

189: Huttunen M. Ihotaudit ja allergologia. *Duodecim*. 2024;140(17):1383.

190: Rönkä, A., Malinen, K., Jantunen, E.-M., Lindroos, E., Moilanen, J., Lehtoranta, M., & Kalilainen, P. (2024). Vauvaperheille tutkimustietoa yhteisvanhemmuudesta aktivoivalla viestintäkokeilulla. *Kasvun tuki -aikakauslehti*, 4(1). <https://doi.org/10.61259/kt.143396>

191: Kruit H, Place K, Väyrynen K, Orden MR, Tekay A, Vääräsmäki M, Uotila J, Tihtonen K, Rinne K, Mäkikallio K, Heinonen S, Rahkonen L. Comparison of balloon catheter, oral misoprostol, or combination of both for cervical ripening in late-term and post-term nulliparous women: A Finnish randomized controlled multicenter pilot trial. *Acta Obstet Gynecol Scand*. 2024 Dec 13. doi: 10.1111/aogs.15034.

192: Haapala H, Salonen A, Suominen E, Syvänen J, Repo J, Matsumoto H, Ahonen M, Helenius I, Saarinen A. Reliability and validity of the adapted Finnish version of the early onset scoliosis questionnaire (EOSQ-24). *Spine Deform* 2024;12(4):1137-1143.

193: Elfving P, Kariniemi S, Kautiainen H, Rantalaiho V, Virta LJ, Puolakka K, Laine MK. Pregnancies in patients with systemic lupus erythematosus during 2000-2018 in Finland: a case-control study. *Rheumatol Int* 2024;44(6):1101-1109.



Tutkimuspalvelut
Julkaisuluettelo 2024
10.01.2024

- 194: Nurmeksela A, Tervo-Heikkinen T, Junttila K, Heikkilä A, Kaunonen M, Kortteisto, Peltokoski J, Salmela S, Suhonen R & Kvist T. (2024). Excellent Nursing Leadership Towards Magnet Culture Among Nurse Leaders: An Interview Study. *Journal of Advanced Nursing*, 2024; 0:1-13, <https://doi.org/10.1111/jan.16662>
- 195: Peltoniemi, A. J., Silvennoinen, K., Rikala, P., Ylönen, M., Soukka, H., Kataja, J., & Hämäläinen, R. (2024). Ohjauksellinen tuki terveydenhuollon simulaatiokoulutuksessa. *Ammattikasvatuksen aikakauskirja*, 26(1), 30-48. <https://doi.org/10.54329/akakk.143384>
- 196: Jaakkola, M., Lemmetty, S., Collin, K., Ylönen, M., & Antikainen, T. (2024). Organizational learning starting points and presuppositions : a case study from a hospital's surgical department. *Learning Organization*, 31(3), 337-357. <https://doi.org/10.1108/tlo-12-2022-0160>
- 197: Salo, V., Rikala, P., Ylönen, M., Vähäsantanen, K., & Hämäläinen, R. (2024). Yhteisöllinen oppiminen hoitotyön simulaatio-opetuksessa. *Aikuiskasvatus*, 44(2), 106-120. <https://doi.org/10.33336/aik.137509>
- 198: Aartolahti, E., Matikainen-Tervola, E., Nyländen, P., Sihvonen, S., Croninen, N., Finni, T., & Rantakokko, M. (2024). Minimal toe clearance in older adults when walking on level, uphill and downhill conditions. *Gerontechnology* 23(s):1-1.
- 199: Heinijoki, H., Karhula, M., Vuoskoski, P., Munukka, M., Nikander, R., & Seppänen-Jarvela, R. (2024). Towards a Satisfactory Future—Multiprofessional Rehabilitation for Young Persons with ADHD or ASD. *Disabilities*, 4(4), 918-935. <https://doi.org/10.3390/disabilities4040057>
- 200: Moisander, A.M., Pamilo, K., Huopio, J. et al. The incidence of venous thromboembolism is low when risk stratification-based thromboprophylaxis is used after fast-track hip and knee arthroplasty. *BMC Musculoskeletal Disorders*, 25, 1094 (2024). <https://doi.org/10.1186/s12891-024-08256-6>
- 201: Saarinen, A., Ryyänen, H., & Vasankari, T. (2024). Kotihappihoidon käytännöt vastaavat suosituksia hyvin. *Suom Lääkärilähti* 2024;79:e41003
- 202: Kokko, K., Fadjukoff, P., Reinilä, E., Ahola, J., Kinnunen, M., Kroger, J., Laakkonen, E. K., Pitkänen, T., Pulkkinen, L., Rantanen, T., Staudinger, U. M., Taipale, S., Törmäkangas, T., Kekäläinen, T., & Saajanaho, M. (2024). Developmental Perspectives on Transitions at Age 60: Individuals Navigating Across the Lifespan (TRAILS) – latest data collection in a longitudinal JYLS study. *Longitudinal and Life Course Studies*, 15(2), 251-281. <https://doi.org/10.1332/17579597Y2023D000000009>



Tutkimuspalvelut
Julkaisuluettelo 2024
10.01.2024

203: Alho, I., Lappalainen, P., & Lappalainen, R. (2024). Acceptability of ACT group intervention for adolescents with type 1 diabetes. *Journal of Contextual Behavioral Science*, 31, Article 100722. <https://doi.org/10.1016/j.jcbs.2024.100722>

204: Alho, I. (2024). ACTing for adolescent diabetes : evaluating the impact and acceptance of a group-based acceptance and commitment therapy intervention for adolescents with type 1 diabetes [Doctoral dissertation]. University of Jyväskylä. JYU Dissertations, 770. <https://urn.fi/URN:ISBN:978-952-86-0111-1>