Toni Tapani Seppälä
universitetsforskare, docent
ATG - Applied Tumor Genomics
HUS Gastrocentrum
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Meritförteckning

EDUCATION

Associate professor (title of Docent) in surgery
2019
Specialist (board certification) in gastrointestinal surgery
2018
Doctor of Medical Sciences (PhD), University of Eastern Finland
2012
Licentiate of Medicine (MD), University of Eastern Finland
2010

CURRENT POSITIONS

GI surgeon - Department of Gastrointestinal Surgery, Helsinki University Hospital
2018
Principal investigator - University of Helsinki, Faculty of Medicine
2017

PREVIOUS PROFESSIONAL APPOINTMENTS

Research fellow - Johns Hopkins University, Dept. of Surgical Oncology
2019–2021
Postdoc - Helsinki University Hospital and University of Helsinki
2017–2018
Resident - Department of Gastrointestinal Surgery, HUS
2016–2018
Resident - Central Finland Central Hospital, Jyväskylä
2012–2015

RESEARCH AWARDS AND HONOURS

Young Scientist of the Year
2016, Gastropäivät, Finnish Digestive Surgeons

REFEREE TASKS AND EDITORIAL BOARD MEMBERSHIPS

In scientific journals: 42 reviews listed @ publons.com
2012–2021
Reviewer for the Dutch Cancer Society (KWF)
2018–2020
Reviewer for 1 PhD thesis
2021

Associate Editor, Hereditary Cancer in Clinical Practice
2020–
Assistant Editor, Journal of Alzheimer’s disease
2012–2013

PEER-REVIEWED SCIENTIFIC PUBLICATIONS

Total number of peer-reviewed publications: 53
Number of citations: 2025 (Google Scholar 7/6/2021)
H-index: 20
M-index: 1.82
i10-index: 27
Terkko Rankings: Terkko Scholar Chart

PROFESSIONAL MEMBERSHIPS

Finnish Society of Surgery, Board of directors
2020–

European Hereditary Tumour Group (EHTG)
2018–
Member of the board of directors, Secretary
2019–
Prospective Lynch Syndrome Database (PLSD)
Member of the Scientific Steering committee
2017–
The International Society for Gastrointestinal Hereditary Tumours
2017–
European Society of Coloproctology (ESCP)
2017–
Finnish Digestive Surgeons
2014–
Finnish Society of Surgeons
2014–
The Finnish Medical Society Duodecim
Member 2006–
Board of directors 2009–2011

MEDICAL COMMUNITY SERVICE

Finnish Junior Doctors' Association
Board of directors, treasurer 2011–2014
Chairman of the Council 2015–2018
Finnish Medical Association
Member of the Council 2010–2012
5 other committees 2006–2014
National Institute for Health and Welfare
Member of the Expert Working Group on developing nursing and multiprofessional documentation practices 2011–2012
Finnish Medical Students' Association
Vice president, board of directors 2006–2007
Medical Students' Association of Kuopio
Chairman of the board of directors 2006–2007

GRANTS AND RESEARCH SUPERVISION

Research Grant, Relander Foundation (45,000 €)
2021–2024
State Research Funding, HUS VTR (500,000 €)
2021–2025
Research Grant, Jane and Aatos Erkko Foundation (1,173,000 €)
2021–2025 (Together with co-PIs P. Peltomäki, M. Nyström and J-P Mecklin)
iCAN Flagship (Academy of Finland) subproject funding (280,000 €)
2021–2022
Research Grant, Sigrid Juselius Foundation (150,000 €)
2021–2024
Research Grant, Cancer Society Finland (150,000 €)
2021-2022

State Research Funding, HUS VTR (20,000 €)
2021
Fellowship Grant, Sigrid Juselius Foundation (140,000 €)
2019–2021 Research Fellowship at Johns Hopkins Hospital
Fellowship Grant, Instrumentarium Science Foundation (40,000 €)
2019–2021 Research Fellowship at Johns Hopkins Hospital
Research Grant, Emil Aaltonen's Foundation (210,000 €)
2019–2021
Research Grant, Finnish Medical Foundation (150,000 €)
2019–2021
Postdoctoral 12 months funded position (50% during 2 years)
Helsinki University Hospital and University of Helsinki, about 100,000 €
2017–2018
Research Grant, Finnish Medical Foundation (9,000 €, 4 months)
2015
Research Grant, Research Fund in Gastrointestinal Diseases
Grant for advanced researcher (10,000 €, 4 months) 2014
Six minor grants (several foundations, less than 10,000 €)
2008–2012

Supervisor of PhD and bachelor theses
2018–
Pedagogical training: 10 credits /University of Helsinki
2018

PRESENTATIONS 2018-2021
Invited oral presentation: SMB2021, Virtual Meeting
2021
Invited oral presentation: Royal Society of Genetics, 2021, Virtual Meeting
2021
Invited panel discussant: CGA 2020, Virtual Meeting
2020
Invited oral presentation: EHTG 2020, Virtual Meeting
2020
Invited oral presentation: Highlights 2019, CGA 2019, Salt Lake City, UT
2019
Invited oral presentation: Missing the target: over and underdiagnosis in LS
EHTG 2019, Barcelona, Spain
Invited oral presentation: Clinical Guidance in LS, EHTG 2019, Barcelona, Spain
2019
Invited oral presentation: Incident cancers during colonoscopy surveillance for LS are usually not preceded by compromised quality of colonoscopy
EHTG 2019, Barcelona, Spain
Invited oral presentation: Finnish LS-research meeting
2019
Invited oral presentation: Insight 2019, Auckland, New Zealand
2019
Invited oral presentation: Clinical Aspects: from phenotype to genotype and back
ESCP 2018, Nice, France
Invited oral presentation: EHTG 2018, Nice, France
2018
Invited oral presentation: EHTG 2018, Nice, France
2018
Invited oral presentation: Finnish LS-research meeting
2018
Invited oral presentation: Finnish Medical Genetics Annual Meeting
2018

Kvalifikationer

Forskningsledare (Principal Investigator)
Tidsperiod : 19.03.2019 - * i Clinicum

Anställning

universitetsforskare
ATG - Applied Tumor Genomics
Helsingfors universitet
1 maj 2021 → present

docent
HUS Gastrocentrum
HYKS erva
Finland
1 jan. 2017 → present

Tutkija
Johns Hopkins Medicine
Baltimore, Förenta Staterna (USA)
24 juli 2019 → 30 juni 2021

Publikationer

A simple approach for detecting HLA-A02 alleles in archival formalin-fixed paraffin-embedded tissue samples and an application example for studying cancer immunoediting
Witt, J., Haupt, S., Ahadova, A., Bohaumilitzky, L., Fuchs, V., Ballhausen, A., Przybilla, M. J., Jendrusch, M., Seppälä, T. T., Fuerst, D., Walle, T., Busch, E., Haag, G. M., Hueneburg, R., Nattermann, J., Doeberitz, M. V. K., Heuveline, V. & Kloor, M., 25 okt. 2022, (!!E-pub ahead of print) I: HLA. 10 s.

Is HLA type a possible cancer risk modifier in Lynch syndrome?
Ahadova, A., Witt, J., Haupt, S., Gallon, R., Hueneburg, R., Nattermann, J., Ten Broeke, S., Bohaumilitzky, L., Hernandez-Sanchez, A., Santibanez-Koref, M., Jackson, M. S., Ahtiainen, M., Pylvanainen, K., Andini, K., Grolmusz, V. K., Moeslein, G., Dominguez-Valentin, M., Moller, P., Fuerst, D., Sijmons, R. & 7 andra, Borthwick, G. M., Burn, J., Mecklin, J-P., Heuveline, V., Doeberitz, M. V. K., Seppälä, T. & Kloor, M., 14 okt. 2022, (!!E-pub ahead of print) I: International Journal of Cancer. 8 s.

Colorectal cancer incidences in Lynch syndrome: a comparison of results from the prospective lynch syndrome database and the international mismatch repair consortium
European Hereditary Tumour Grp EHT, Int Mismatch Repair Consortium IMR, Moller, P., Seppala, T., Dowty, J. G., Renkonen-Sinisalo, L., Lepistö, A. & Peltomäki, P., 1 okt. 2022, I: Hereditary Cancer in Clinical Practice. 20, 1, 11 s., 36.

Cancer Prevention with Resistant Starch in Lynch Syndrome Patients in the CAPP2-Randomized Placebo Controlled Trial: Planned 10-Year Follow-up
CAPP2 Investigators, Mathers, J. C., Elliott, F., Macrae, F., Mecklin, J-P., Seppälä, T. T. & Burn, J., sep. 2022, I: Cancer prevention research. 15, 9, s. 623-634 12 s.

Precision medicine in pancreatic cancer: Patient derived organoid pharmacotyping is a predictive biomarker of clinical treatment response
Seppälä, T. T., Zimmerman, J., Suri, R., Zlomke, H., Ivey, G., Szabolcs, A., Shubert, C., Cameron, J. L., Burns, W. R., Lafaro, K., He, J., Wolfgang, C. L., Zhou, Y., Zheng, L., Tuveson, D. A., Eshleman, J. R., Ryan, D. P., Kimmelman, A. C., Hong, T., Ting, D. T. & 2 andra, Jaffee, E. M. & Burkhart, R. A., 1 aug. 2022, I: Clinical Cancer Research. 28, 15, s. 3296-3307 12 s.

Prognostic significance of spatial and density analysis of T lymphocytes in colorectal cancer
Elomaa, H., Ahtiainen, M., Väyrynen, S. A., Ogino, S., Nowak, J. A., Friman, M., Helminen, O., Wirta, E-V., Seppälä, T. T. , Böhm, J., Mäkinen, M. J., Mecklin, J-P., Kuopio, T. & Väyrynen, J. P., 1 aug. 2022, I: British Journal of Cancer. 127, 3, s. 514-523 10 s.

The prognostic value of extramural venous invasion in preoperative MRI of rectal cancer patients
Lehtonen, T. M., Koskenvuo, L. E., Seppala, T. T. & Lepistö, A. H., juni 2022, I: Colorectal Disease. 24, 6, s. 737-746 10 s.

Correspondence on "Cancer risks by gene, age, and gender in 6350 carriers of pathogenic mismatch repair variants: findings from the Prospective Lynch Syndrome Database" by Dominguez-Valentin et al Response
Dominguez-Valentin, M., Sampson, J. R., Seppälä, T. T. & Mollera, P., maj 2022, I: Genetics In medicine. 24, 5, s. 1151-1151 1 s.

The Different Immune Profiles of Normal Colonic Mucosa in Cancer-Free Lynch Syndrome Carriers and Lynch Syndrome Colorectal Cancer Patients
Bohaumilitzky, L., Kluck, K., Hueneburg, R., Gallon, R., Nattermann, J., Kirchner, M., Kristiansen, G., Hommerding, O., Pfuderer, P. L., Wagner, L., Echterdiek, F., Koesegi, S., Mueller, N., Fischer, K., Nelius, N., Hartog, B., Borthwick, G., Busch, E., Haag, G. M., Blaeker, H. & 11 andra, Moeslein, G., Doeberitz, M. V. K., Seppälä, T. T., Ahtiainen, M., Mecklin, J-P., Bishop, D. T., Burn, J., Stenzinger, A., Budczies, J., Kloor, M. & Ahadova, A., mars 2022, I: Gastroenterology. 162, 3 , s. 907-+ 23 s.

Toisiolaki - lääketieteellisen tutkimuksen mahdollistaja vai tukahduttaja?
Reito, A., Sanmark, E., Tuovinen, T., Seppälä, T. T., Kuitunen, I., Ponkilainen, V., Ekman, E. & Kauppila, J. H., 3 feb. 2022 , I: Suomen lääkärilehti. 77, 7-8, e30589.

Solving for Chemotherapeutic Sensitivity: Adapting "Black Box" Methods to Study Patient-Derived Tumor Organoids
Seppälä, T. T., Zimmerman, J. & Burkhart, R. A., jan. 2022, I: Annals of Surgical Oncology. 29, 1, s. 4-6 3 s.

Pretibiaaliset vammat ovat jääneet huomioitta haavalääketieteessä
Seppälä, T. & Koljonen, V., 2022, I: Haava : Suomen haavanhoitoyhdistys ry:n ammattijulkaisu.. 25, 2, s. 10-14 5 s.

Immunoprofiles and DNA Methylation of Inflammatory Marker Genes in Ulcerative Colitis-Associated Colorectal Tumorigenesis
Mäki-Nevala, S., Ukwattage, S., Wirta, E-V., Ahtiainen, M., Ristimäki, A., Seppälä, T. T., Lepistö, A., Mecklin, J-P. & Peltomäki, P., okt. 2021, I: Biomolecules. 11, 10, 17 s., 1440.

Descriptive study on subjective experience of genetic testing with respect to relationship, family planning and psychosocial wellbeing among women with lynch syndrome
Kalamo, M., Mäenpää, J., Seppälä, T., Mecklin, J-P., Pylvänäinen, K. & Staff, S., 14 sep. 2021, I: Hereditary Cancer in Clinical Practice. 19, 1, 7 s., 38.

Can Pancreatic Organoids Help in the Treatment of Pancreatic Cancer?
Seppälä, T. T. & Burkhart, R. A., sep. 2021, I: Advances in Surgery. 55, s. 215-229 15 s.

Characteristics of Early-Onset vs Late-Onset Colorectal Cancer A Review
REACCT Collaborative, Zaborowski, A. M., Abdile, A., Lepistö, A. & Seppälä, T. T., sep. 2021, I: JAMA surgery. 156, 9, s. 865-874 10 s.

Towards evidence-based personalised precision medicine for Lynch syndrome
Moller, P., Sampson, J. R., Dominguez-Valentin, M. & Seppälä, T. T., sep. 2021, I: Lancet Oncology. 22, 9, s. E383-E383 1 s.

Genetic and Epigenetic Characteristics of Inflammatory Bowel Disease–Associated Colorectal Cancer
Rajamäki, K., Taira, A., Katainen, R., Välimäki, N., Kuosmanen, A., Plaketti, R-M., Seppälä, T. T., Ahtiainen, M., Wirta, E-V., Vartiainen, E., Sulo, P., Ravantti, J., Lehtipuro, S., Granberg, K. J., Nykter, M., Tanskanen, T., Ristimäki, A., Koskensalo, S., Renkonen-Sinisalo, L., Lepistö, A. & 6 andra, Böhm, J., Taipale, J., Mecklin, J-P., Aavikko, M., Palin, K. & Aaltonen, L. A., 21 aug. 2021, I: Gastroenterology. 161, 2, s. 592–607 16 s.

No Difference in Penetrance between Truncating and Missense/Aberrant Splicing Pathogenic Variants in MLH1 and MSH2: A Prospective Lynch Syndrome Database Study
PLSD, Dominguez-Valentin, M., Plazzer, J-P., Sampson, J. R., Renkonen-Sinisalo, L., Lepistö, A., Peltomäki, P., Lindberg, L. & Seppälä, T. T., juli 2021, I: Journal of clinical medicine. 10, 13, 12 s., 2856.

Variation in the risk of colorectal cancer in families with Lynch syndrome: a retrospective cohort study
IMRC, Win, A. K., Dowty, J. G., Reece, J. C., Seppälä, T. T. & Jenkins, M., juli 2021, I: Lancet Oncology. 22, 7, s. 1014-1022 9 s.

Somatic mutation profiles as molecular classifiers of ulcerative colitis-associated colorectal cancer
Mäki-Nevala, S., Ukwattage, S., Olkinuora, A., Almusa, H., Ahtiainen, M., Ristimäki, A., Seppälä, T., Lepistö, A., Mecklin, J-P. & Peltomäki, P., 15 juni 2021, I: International Journal of Cancer. 148, 12, s. 2997-3007 11 s.

Distinct Mutational Profile of Lynch Syndrome Colorectal Cancers Diagnosed under Regular Colonoscopy Surveillance
Ahadova, A., Pfuderer, P. L., Ahtiainen, M., Ballhausen, A., Bohaumilitzky, L., Kösegi, S., Müller, N., Tang, Y. L., Kosmalla, K., Witt, J., Endris, V., Stenzinger, A., von Knebel Doeberitz, M., Bläker, H., Renkonen-Sinisalo, L., Lepistö, A., Böhm, J., Mecklin, J-P., Seppälä, T. T. & Kloor, M., juni 2021, I: Journal of clinical medicine. 10, 11, 17 s., 2458.

European guidelines from the EHTG and ESCP for Lynch syndrome: an updated third edition of the Mallorca guidelines based on gene and gender
the European Hereditary Tumour Group (EHTG), European Society of Coloproctology (ESCP), Seppälä, T. T., Latchford, A., Negoi, I. & Möslein, G., maj 2021, I: British Journal of Surgery. 108, 5, s. 484-498 15 s.

Uptake of hysterectomy and bilateral salpingooophorectomy in carriers of pathogenic mismatch repair variants: a Prospective Lynch Syndrome Database report
Seppala, TT., Dominguez-Valentin, M., Crosbie, EJ., Engel, C., Aretz, S., Macrae, F., Winship, I., Capella, G., Thomas, H., Hovig, E., Nielsen, M., Sijmons, RH., Bertario, L., Bonanni, B., Tibiletti, MG., Cavestro, GM., Mints, M., Gluck, N., Katz, L., Heinimann, K. & 66 andra, Vaccaro, CA., Green, K., Lalloo, F., Hill, J., Schmiegel, W., Vangala, D., Perne, C., Strauss, HG., Tecklenburg, J., Holinski-Feder, E., Steinke-Lange, V., Mecklin, JP., Plazzer, JP., Pineda, M., Navarro, M., Vida, JB. , Kariv, R., Rosner, G., Pinero, TA., Pavicic, W., Kalfayan, P., Ten Broeke, SW., Jenkins, MA., Sunde, L., Bernstein, I., Burn, J., Greenblatt, M., Cappel, WHDTN., Della Valle, A., Lopez-Koestner, F., Alvarez, K., Buttner, R., Gorgens, H., Morak, M., Holzapfel, S., Huneburg, R., Doeberitz, MV., Loeffler, M., Redler, S., Weitz, J., Pylvanainen, K., Renkonen-Sinisalo, L., Lepisto, A., Hopper, JL., Win, AK., Lindor, NM., Gallinger, S., Marchand, LL., Newcomb, PA., Figueiredo, JC., Thibodeau, SN., Therkildsen, C., Wadt, KAW., Mourits, MJE., Ketabi, Z., Denton, OG., Rodland, EA., Vasen, H., Neffa, F. , Esperon, P., Tjandra, D., Moslein, G., Rokkones, E., Sampson, JR., Evans, DG. & Moller, P., maj 2021, I: European Journal of Cancer. 148, s. 124-133 10 s.

Body Weight, Physical Activity, and Risk of Cancer in Lynch Syndrome
Sievanen, T., Tormakangas, T., Laakkonen, E. K., Mecklin, J-P., Pylvänäinen, K., Seppälä, T. T., Peltomäki, P., Sipila, S. & Sillanpää, E., apr. 2021, I: Cancers. 13, 8, 15 s., 1849.

Immune Contexture of MMR-Proficient Primary Colorectal Cancer and Matched Liver and Lung Metastases
Ahtiainen, M., Elomaa, H., Vayrynen, J. P., Wirta, E-V., Kuopio, T., Helminen, O., Seppala, T. T., Kellokumpu, I. & Mecklin, J-P., apr. 2021, I: Cancers. 13, 7, 16 s., 1530.

Impact of Age and Comorbidity on Multimodal Management and Survival from Colorectal Cancer: A Population-Based Study
Kellokumpu, I., Kairaluoma, M., Mecklin, J-P., Kellokumpu, H., Väyrynen, V., Wirta, E-V., Sihvo, E., Kuopio, T. & Seppälä, T. T., apr. 2021, I: Journal of clinical medicine. 10, 8, 13 s., 1751.

Letter to the Editor-Recent advances in Lynch syndrome
Moller, P., Sampson, J., Dominguez-Valentin, M., Burn, J., Sunde, L., Moeslein, G., Mecklin, J-P. & Seppälä, T., apr. 2021 , I: Familial Cancer. 20, 2, s. 117-118 2 s.

The "unnatural" history of colorectal cancer in Lynch syndrome: Lessons from colonoscopy surveillance
Ahadova, A., Seppälä, T. T., Engel, C., Gallon, R., Burn, J., Holinski-Feder, E., Steinke-Lange, V., Moeslein, G., Nielsen, M., ten Broeke, S. W., Laghi, L., Dominguez-Valentin, M., Capella, G., Macrae, F., Scott, R., Hueneburg, R., Nattermann, J., Hoffmeister, M., Brenner, H., Blaeker, H. & 6 andra, Doeberitz, M. V. K., Sampson, J. R., Vasen, H., Mecklin, J-P., Moller, P. & Kloor, M., 15 feb. 2021, I: International Journal of Cancer. 148, 4, s. 800-811 12 s.

Analysis in the Prospective Lynch Syndrome Database identifies sarcoma as part of the Lynch syndrome tumor spectrum
PLSD Collaborators, Dominguez-Valentin, M., Sampson, J. R., Møller, P. & Seppälä, T. T., 15 jan. 2021, I: International Journal of Cancer. 148, 2, s. 512-513 2 s.

Risk-reducing hysterectomy and bilateral salpingo-oophorectomy in female heterozygotes of pathogenic mismatch repair variants: a Prospective Lynch Syndrome Database report
Dominguez-Valentin, M., Crosbie, E. J., Engel, C., Aretz, S., Macrae, F., Winship, I., Capella, G., Thomas, H., Nakken, S., Hovig, E., Nielsen, M., Sijmons, R. H., Bertario, L., Bonanni, B., Tibiletti, M. G., Cavestro, G. M., Mints, M., Gluck, N., Katz, L., Heinimann, K. & 68 andra, Vaccaro, C. A., Green, K., Lalloo, F., Hill, J., Schmiegel, W., Vangala, D., Perne, C., Strauss, H-G., Tecklenburg, J., Holinski-Feder, E., Steinke-Lange, V., Mecklin, J-P., Plazzer, J-P., Pineda, M., Navarro, M. , Brunet Vidal, J., Kariv, R., Rosner, G., Alejandra Pinero, T., Laura Gonzalez, M., Kalfayan, P., Ryan, N., Ten Broeke, S. W., Jenkins, M. A., Sunde, L., Bernstein, I., Burn, J., Greenblatt, M., Cappel, W. H. D. V. T. N., Della Valle, A., Lopez-Koestner, F., Alvarez, K., Buettner, R., Goergens, H., Morak, M., Holzapfel, S., Hueneburg, R., Doeberitz, M. V. K., Loeffler, M., Rahner, N., Weitz, J., Pylvanainen, K., Renkonen-Sinisalo, L., Lepisto, A., Auranen, A., Hopper, J. L., Win, A. K., Haile, R. W., Lindor, N. M., Gallinger, S., Le Marchand, L., Newcomb, P. A., Figueiredo, J. C., Thibodeau, S. N., Therkildsen, C., Okkels, H., Ketabi, Z., Denton, O. G., Rodland, E. A., Vasen, H., Neffa, F., Esperon, P., Tjandra, D., Moeslein, G., Sampson, J. R., Evans, D. G., Seppälä, T. T. & Møller, P., 1 dec. 2020, (!!E-pub ahead of print) I: Genetics In medicine. 8 s.

The shared frameshift mutation landscape of microsatellite-unstable cancers suggests immunoediting during tumor evolution
Ballhausen, A., Przybilla, M. J., Jendrusch, M., Haupt, S., Pfaffendorf, E., Seidler, F., Witt, J., Hernandez Sanchez, A., Urban, K., Draxlbauer, M., Krausert, S., Ahadova, A., Kalteis, M. S., Pfuderer, P. L., Heid, D., Stichel, D., Gebert, J., Bonsack, M., Schott, S., Blaeker, H. & 10 andra, Seppälä, T., Mecklin, J-P., Ten Broeke, S., Nielsen, M., Heuveline, V., Krzykalla, J., Benner, A., Riemer, A. B., von Knebel Doeberitz, M. & Kloor, M., 21 sep. 2020, I: Nature Communications. 11, 1, 13 s., 4740.

Patient-derived Organoid Pharmacotyping is a Clinically Tractable Strategy for Precision Medicine in Pancreatic Cancer
Seppälä, T. T., Zimmerman, J. W., Sereni, E., Plenker, D., Suri, R., Rozich, N., Blair, A., Thomas, D. L., Teinor, J., Javed, A., Patel, H. M., Cameron, J. L., Burns, W. R., He, J., Tuveson, D. A., Jaffee, E. M., Eshleman, J. R., Szabolcs, A., Ryan, D. P., Ting, D. T. & 2 andra, Wolfgang, C. L. & Burkhart, R. A., sep. 2020, I: Annals of Surgery. 272, 3, s. 427-435 9 s.

Incidence and management of patients with colorectal cancer and synchronous and metachronous colorectal metastases: a population-based study
Väyrynen, V., Wirta, E. -V., Seppälä, T., Sihvo, E., Mecklin, J. -P., Vasala, K. & Kellokumpu, I., aug. 2020, I: BJS open. 4, 4, s. 685-692 8 s.

Prognostic Value of Immune Environment Analysis in Small Bowel Adenocarcinomas with Verified Mutational Landscape and Predisposing Conditions
Wirta, E-V., Szeto, S., Hänninen, U., Ahtiainen, M., Böhm, J., Mecklin, J-P., Aaltonen, L. A. & Seppälä, T. T., aug. 2020, I: Cancers. 12, 8, 19 s., 2018.

Risk-Reducing Gynecological Surgery in Lynch Syndrome: Results of an International Survey from the Prospective Lynch Syndrome Database
Dominguez-Valentin, M., Seppälä, T. T., Engel, C., Aretz, S., Macrae, F., Winship, I., Capella, G., Thomas, H., Hovig, E., Nielsen, M., Sijmons, R. H., Bertario, L., Bonanni, B., Tibiletti, M. G., Cavestro, G. M., Mints, M., Gluck, N., Katz, L., Heinimann, K., Vaccaro, C. A. & 25 andra, Green, K., Lalloo, F., Hill, J., Schmiegel, W., Vangala, D., Perne, C., Strauss, H-G., Tecklenburg, J., Holinski-Feder, E., Steinke-Lange, V., Mecklin, J-P., Plazzer, J-P., Pineda, M., Navarro, M., Vidal, J. B., Kariv, R., Rosner, G., Alejandra Pinero, T., Laura Gonzalez, M., Kalfayan, P., Sampson, J. R., Ryan, N. A. J., Evans, D. G., Moller, P. & Crosbie, E. J., 18 juli 2020, I: Journal of clinical medicine. 9, 7, 8 s., 2290.

Cancer prevention with aspirin in hereditary colorectal cancer (Lynch syndrome), 10-year follow-up and registry-based 20-year data in the CAPP2 study: a double-blind, randomised, placebo-controlled trial
The CAPP2 Investigators, Burn, J., Sheth, H., Elliott, F., Mecklin, J-P., Seppälä, T. T., Pylvänäinen, K. & Bishop, D. T., 13 juni 2020, I: Lancet. 395, 10240, s. 1855-1863 9 s.

Prospective observational data informs understanding and future management of Lynch syndrome: insights from the Prospective Lynch Syndrome Database (PLSD)
Seppälä, T. T., Dominguez-Valentin, M., Sampson, J. R. & Møller, P., 8 juni 2020, (!!E-pub ahead of print) I: Familial Cancer. 5 s.

Associations of Pathogenic Variants in MLH1, MSH2, and MSH6 With Risk of Colorectal Adenomas and Tumors and With Somatic Mutations in Patients With Lynch Syndrome
German HNPCC Consortium, Dutch Lynch Syndrome Collaborative, Finnish Lynch Syndrome Registry, Engel, C., Ahadova, A., Seppälä, T. T., Lepistö, A., Renkonen-Sinisalo, L. & Vasen, H. F., apr. 2020, I: Gastroenterology. 158, 5, s. 1326-1333 8 s.

Factors associated with decision-making on prophylactic hysterectomy and attitudes towards gynecological surveillance among women with Lynch syndrome (LS): a descriptive study
Kalamo, M. H., Mäenpää, J. U., Seppälä, T. T., Mecklin, J. P., Huhtala, H., Sorvettula, K., Pylvänäinen, K. & Staff, S., apr. 2020, I: Familial Cancer. 19, 2, s. 177-182 6 s.

Response to Response to Dominguez-Valentin M et al. 2019: Cancer risks by gene, age, and gender in 6350 carriers of pathogenic mismatch repair variants: findings from the Prospective Lynch Syndrome Database
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Cancer risks by gene, age, and gender in 6350 carriers of pathogenic mismatch repair variants: findings from the Prospective Lynch Syndrome Database
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Geenivirheen ja syövän yhteys
Toni T. Seppälä
02/11/2018
1 objekt av Mediabevakning

Geenivirheen ja syövän yhteys
Toni T. Seppälä
02/11/2018
1 objekt av Mediabevakning

Harvempi tähystystahti riittää Lynchin oireyhtymässä
Toni T. Seppälä
08/08/2018
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Lynch Syndrome Mutation Study Suggests Changes to Clinical Management
Toni T. Seppälä
25/07/2019
1 objekt av Mediabevakning

Selkäydinneste tuo viestiä aivoista
Toni T. Seppälä
10/09/2012
1 objekt av Mediabevakning

Projekt

EARLY CANCER DETECTION THROUGH TRANSCRIPTOMIC ANALYSIS OF HOST IMMUNE CELLS AND CIRCULATING TUMOR DNA: TARGETING FUTURE IMMUNE PREVENTION
Seppälä, T. T.
Emil Aaltosen säätiö, Suomen lääketieteen säätiö
01/09/2018 → 31/12/2022

LYNCH SYNDROME: A MODEL FOR CANCER DEVELOPMENT, CYTOTOXIC IMMUNE RESPONSE AND PREVENTION
Seppälä, T. T.
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01/01/2017 → 31/01/2019

PANORG-iCAN: Pan-cancer organoid biobank for precision medicine in abdominal cancers (PANORG-iCAN)
Seppälä, T. T.
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01/01/2021 → 31/12/2022

PANORG: Pan-cancer organoid biobank opens avenues for precision medicine in hereditary and sporadic abdominal cancers (PANORG)
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Ultrasensitive circulating tumor DNA genomics for practical clinical use in colorectal cancer
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