

Toni Tapani Seppälä
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HUS Abdominal Center
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Curriculum vitae

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
Terikko Rankings: Terikko 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

Qualifications

Principal Investigator

Period : 19.03.2019 - * in Clinicum

Employment

Docent

HUS Abdominal Center
HYKS erva
Finland
1 Jan 2017 → present

Research fellow

Johns Hopkins Medicine
Baltimore, United States
24 Jul 2019 → 30 Jun 2021

Publications

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., May 2022, In: Genetics In medicine. 24, 5, p. 1151-
1151 1 p.

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., 21 Apr 2022, (E-pub ahead of print) In: British Journal of Cancer. 10 p.

Precision medicine in pancreatic cancer: Patient derived organoid pharmacotyping is a predictive biomarker of clinical treatment response

Seppälä, T. T., Jacquelyn, Z., 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 others, Jaffee, E. M. & Burkhart, R. A., 1 Apr 2022, (E-pub ahead of print) In: Clinical Cancer Research.

The prognostic value of extramural venous invasion in preoperative MRI of rectal cancer patients

Lehtonen, T. M., Koskenvuo, L. E., Seppala, T. T. & Lepisto, A. H., 15 Mar 2022, (E-pub ahead of print) In: Colorectal Disease. 10 p.

The Different Immune Profiles of Normal Colonic Mucosa in Cancer-Free Lynch Syndrome Carriers and Lynch Syndrome Colorectal Cancer Patients

Bohauimilitzky, 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 others, 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., Mar 2022, In: Gastroenterology. 162, 3, p. 907-+ 23 p.

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, In: Suomen lääkärilehti. 77, 7-8

Solving for Chemotherapeutic Sensitivity: Adapting "Black Box" Methods to Study Patient-Derived Tumor Organoids

Seppälä, T. T., Zimmerman, J. & Burkhart, R. A., Jan 2022, In: Annals of Surgical Oncology. 29, 1, p. 4-6 3 p.

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., Oct 2021, In: Biomolecules. 11, 10, 17 p., 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, In: Hereditary Cancer in Clinical Practice. 19, 1, 7 p., 38.

Can Pancreatic Organoids Help in the Treatment of Pancreatic Cancer?

Seppälä, T. T. & Burkhart, R. A., Sep 2021, In: Advances in Surgery. 55, p. 215-229 15 p.

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, In: JAMA surgery. 156, 9, p. 865-874 10 p.

Towards evidence-based personalised precision medicine for Lynch syndrome

Moller, P., Sampson, J. R., Dominguez-Valentin, M. & Seppälä, T. T., Sep 2021, In: Lancet Oncology. 22, 9, p. E383-E383 1 p.

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 others, Böhm, J., Taipale, J., Mecklin, J-P., Aavikko, M., Palin, K. &

Aaltonen, L. A., 21 Aug 2021, In: *Gastroenterology*. 161, 2, p. 592–607 16 p.

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., Jul 2021, In: *Journal of clinical medicine*. 10, 13, 12 p., 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., Jul 2021, In: *Lancet Oncology*. 22, 7, p. 1014-1022 9 p.

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 Jun 2021, In: *International Journal of Cancer*. 148, 12, p. 2997-3007 11 p.

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., Jun 2021, In: *Journal of clinical medicine*. 10, 11, 17 p., 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., May 2021, In: *British Journal of Surgery*. 108, 5, p. 484-498 15 p.

Uptake of hysterectomy and bilateral salpingo-oophorectomy 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 others, Vaccaro, CA., Green, K., Laloo, 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., Pintero, 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., May 2021, In: *European Journal of Cancer*. 148, p. 124-133 10 p.

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, In: *Cancers*. 13, 8, 15 p., 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, In: *Cancers*. 13, 7, 16 p., 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, In: *Journal of clinical medicine*. 10, 8, 13 p., 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, In: *Familial Cancer*. 20, 2, p. 117-118 2 p.

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 others, Doeberitz, M. V. K., Sampson, J. R., Vasen, H., Mecklin, J-P., Moller, P. & Kloor, M., 15 Feb 2021, In: International Journal of Cancer. 148, 4, p. 800-811 12 p.

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, In: International Journal of Cancer. 148, 2, p. 512-513 2 p.

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 others, Vaccaro, C. A., Green, K., Laloo, 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) In: Genetics In medicine. 8 p.

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 others, 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, In: Nature Communications. 11, 1, 13 p., 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 others, Wolfgang, C. L. & Burkhart, R. A., Sep 2020, In: Annals of Surgery. 272, 3, p. 427-435 9 p.

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, In: BMJ Open. 4, 4, p. 685-692 8 p.

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, In: Cancers. 12, 8, 19 p., 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 others, Green, K., Laloo, 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 Jul 2020, In: Journal of clinical medicine. 9, 7, 8 p., 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 Jun 2020, In: *Lancet*. 395, 10240, p. 1855-1863 9 p.

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 Jun 2020, (E-pub ahead of print) In: *Familial Cancer*. 5 p.

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, In: *Gastroenterology*. 158, 5, p. 1326-1333 8 p.

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, In: *Familial Cancer*. 19, 2, p. 177-182 6 p.

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

Sampson, J., Dominguez-Valentin, M., Seppälä, T. & Møller, P., Apr 2020, In: *Genetics In medicine*. 22, 4, p. 813-814 2 p.

Cancer risks by gene, age, and gender in 6350 carriers of pathogenic mismatch repair variants: findings from the Prospective Lynch Syndrome Database

Dominguez-Valentin, M., Sampson, J. R., Seppälä, T. T., Ten Broeke, S. W., Plazzer, J-P., Nakken, S., Engel, C., Aretz, S., Jenkins, M. A., Sunde, L., Bernstein, I., Capella, G., Balaguer, F., Thomas, H., Evans, D. G., Burn, J., Greenblatt, M., Hovig, E., de Vos Tot Nederveen Cappel, W. H., Sijmons, R. H. & 68 others, Bertario, L., Tibiletti, M. G., Cavestro, G. M., Lindblom, A., Della Valle, A., Lopez-Köstner, F., Gluck, N., Katz, L. H., Heinimann, K., Vaccaro, C. A., Büttner, R., Görgens, H., Holinski-Feder, E., Morak, M., Holzapfel, S., Hüneburg, R., Knebel Doeberitz, M. V., Loeffler, M., Rahner, N., Schackert, H. K., Steinke-Lange, V., Schmiegel, W., Vangala, D., Pylvänäinen, K., Renkonen-Sinisalo, L., 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., Wadt, K., Therkildsen, C., Okkels, H., Ketabi, Z., Moreira, L., Sánchez, A., Serra-Burriel, M., Pineda, M., Navarro, M., Blanco, I., Green, K., Laloo, F., Crosbie, E. J., Hill, J., Denton, O. G., Frayling, I. M., Rødland, E. A., Vasen, H., Mints, M., Neffa, F., Esperon, P., Alvarez, K., Kariv, R., Rosner, G., Pinero, T. A., Gonzalez, M. L., Kalfayan, P., Tjandra, D., Winship, I. M., Macrae, F., Möslein, G., Mecklin, J-P., Nielsen, M. & Møller, P., Jan 2020, In: *Genetics In medicine*. 22, 1, p. 15-25 11 p.

Lynchin oireyhtymän syöpää ehkäisevä seuranta muuttuu geenikohtaiseksi : asettylisalisyylihapon tehosta vakuuttavaa näyttöä ja rokote kehitteillä

Seppälä, T. & Mecklin, J-P., 2020, In: *Duodecim*. 136, 17, p. 1867-1869 3 p.

Incident colorectal cancer in Lynch syndrome is usually not preceded by compromised quality of colonoscopy

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Survival by colon cancer stage and screening interval in Lynch syndrome: a prospective Lynch syndrome database report

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Press/Media

Geenivirheen ja syövän yhteys

Toni T. Seppälä

02/11/2018

1 item of Media coverage

Geenivirheen ja syövän yhteys

Toni T. Seppälä

02/11/2018

1 item of Media coverage

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

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Selkäydinneste tuo viestiä aivoista

Toni T. Seppälä

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Projects

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

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PANORG-iCAN: Pan-cancer organoid biobank for precision medicine in abdominal cancers (PANORG-iCAN)

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Seppälä, T. T.
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