

PEER-REVIEWED LITERATURE

PUBLICATION	YEAR	AUTHOR	TITLE
<i>Journal of Precision Medicine</i>	2022	Munroe C, Hall M, Critchley-Thorne R	<u>Spatialomics delivered to the clinic for improved health outcomes in Barrett's esophagus</u>
<i>Clinical Gastroenterology and Hepatology</i>	2022	Iyer PG, Codipilly DC, Chandar AK, Agarwal S, Wang KK, Leggett CL, Latuche LR, Schulte PJ	<u>Prediction of Progression in Barrett's Esophagus Using a Tissue Systems Pathology Test: A Pooled Analysis of International Multicenter Studies</u>
<i>Endoscopy International Open</i>	2021	Diehl DL, Khara HS, Akhtar N, Critchley-Thorne RJ.	<u>The TissueCypher® Barrett's Esophagus Assay Impacts Clinical Decisions in the Management of Patients with Barrett's Esophagus</u>
<i>American Journal of Gastroenterology</i>	2020	Frei NF, Khoshiwal AM, Konte K, Bossart EA, Stebbins K, Zhang Y, Pouw RE, ten Kate FJW, Seldenrijk CA, Meijer SL, Critchley-Thorne RJ, Bergman JJ	<u>A Tissue Systems Pathology Test Objectively Risk Stratifies Barrett's Esophagus Patients with Low Grade Dysplasia</u>
<i>Clinical and Translational Gastroenterology</i>	2020	Frei NF, Konte K, Bossart EA, Stebbins K, Zhang Y, Pouw RE, Critchley-Thorne RJ, Bergman JJ	<u>Independent Validation of a Tissue Systems Pathology Assay to Predict Future Progression in Non-Dysplastic Barrett's Esophagus: A Spatial-Temporal Analysis</u>
<i>American Journal of Gastroenterology</i>	2020	Davison JM, Goldblum J, Grewal US, McGrath K, Fasanella K, Deitrick C, DeWard AD, Bossart EA, Hayward SL, Zhang Y, Critchley-Thorne RJ, Thota PN	<u>Independent Blinded Validation of a Tissue Systems Pathology Test to Predict Progression in Patients with Barrett's Esophagus</u>
<i>ClinicoEconomics and Outcomes Research</i>	2019	Hao J, Critchley-Thorne RJ, Diehl DL, Snyder SR	<u>A Cost-Effectiveness Analysis of an Adenocarcinoma Risk Prediction Multi-Biomarker Assay for Patients with Barrett's Esophagus</u>
<i>Methods in Molecular Biology</i>	2018	DeWard AD, Critchley-Thorne RJ	<u>Systems Biology Approaches in Cancer Pathology</u>
<i>Translational Cancer Research</i>	2017	DeWard AD, Critchley-Thorne RJ	<u>Signatures of Field Cancerization: A Step Towards Earlier Detection of Esophageal Adenocarcinoma</u>

PEER-REVIEWED LITERATURE (CONTINUED)

PUBLICATION	YEAR	AUTHOR	TITLE
<i>Cancer Epidemiology, Biomarkers & Prevention</i>	2017	Critchley-Thorne RJ, Davison JM, Prichard JW, Reese LM, Zhang Y, Repa K, Li J, Diehl DL, Jhala NC, Ginsberg GG, DeMarshall M, Foxwell T, Jobe BA, Zaidi AH, Duits LC, Bergman JJ, Rustgi A, Falk GW	<u>A Tissue Systems Pathology Test Detects Abnormalities Associated with Prevalent High-Grade Dysplasia and Esophageal Cancer in Barrett's Esophagus</u>
<i>Medical Laboratory Observer</i>	2016	DeWard AD, Critchley-Thorne RJ	<u>Individualized Risk Prediction in Barrett's Esophagus</u>
<i>Cancer Epidemiology, Biomarkers & Prevention</i>	2016	Critchley-Thorne RJ, Duits LC, Prichard JW, Davison JM, Jobe BA, Campbell BB, Zhang Y, Repa KA, Reese LM, Li J, Diehl DL, Jhala NC, Ginsberg G, DeMarshall M, Foxwell T, Zaidi AH, Lansing Taylor D, Rustgi AK, Bergman JJ, Falk GW	<u>A Tissue Systems Pathology Assay for High-Risk Barrett's Esophagus</u>
<i>Journal of Pathology Informatics</i>	2015	Prichard JW, Davison JM, Campbell BB, Repa KA, Reese LM, Nguyen XM, Li J, Foxwell T, Lansing Taylor D, Critchley-Thorne RJ	<u>TissueCypher: A Systems Biology Approach to Anatomic Pathology</u>
<i>Journal of Pathology Informatics</i>	2011	Nederlof M, Watanabe S, Burnip B, Lansing Taylor D, Critchley-Thorne RJ	<u>High-Throughput Profiling of Tissue and Tissue Model Microarrays: Combined Transmitted Light and 3-Color Fluorescence Digital Pathology</u>

PRESENTATIONS

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<i>American Journal of Gastroenterology</i>	2022	Frei NF, Duits LC, Khoshiwal AM, Pouw RE, TissueCypher SURF LGD Study Pathologist Consortium, Smolko C, Arora M, Siegel, JJ, Critchley-Thorne RJ, Bergman, JJ	PODIUM PRESENTATION AT AGA 2022, CHARLOTTE S386 An Objective Spatialomics Test Standardizes Management Decisions with Potential to Improve Outcomes for Barrett's Esophagus Patients	<u>https://tissuecypher.com/data-from-acg-2022-podium-presentation/</u>
<i>Gastroenterology</i>	2022	Khoshiwal AM, Frei NF, Duits LC, Pouw RE, Bossart E, Wilhelm M, Critchley-Thorne R, Bergman JJ	PODIUM PRESENTATION AT DDW 2022, SAN DIEGO 695 An Objective, Fully Automated Barrett's Risk Prediction Assay Outperforms Most Pathologists in Risk Stratifying Barrett's Esophagus with Low Grade Dysplasia	<u>https://tissuecypher.com/an-objective-fully-automated-barretts-risk-prediction-assay-outperforms-pathology-in-risk-stratifying-barretts-esophagus-with-low-grade-dysplasia/</u>

PRESENTATIONS (CONTINUED)

PUBLICATION	YEAR	AUTHOR	TITLE	LINK
<i>Endoscopy</i>	2022	Khoshiwal AM, Frei NF, Duits LC, Pouw RE, Bossart E, Wilhelm M, Critchley-Thorne R, Bergman JJ	PODIUM PRESENTATION AT ESGE 2022, PRAGUE OP079 An Objective, Fully Automated Barrett's Risk Prediction Assay Outperforms Most Pathologists in Risk Stratifying Barrett's Esophagus with Low Grade Dysplasia	https://www.esge.com/assets/downloads/pdfs/guidelines/ESGE_Days_2022.pdf
<i>Gastroenterology</i>	2021	Frei NF, Khoshiwal AM, Konte K, Pouw RE, Ten Kate F, Seldenrijk CA, Offerhaus J, Goldblum JR, Davison JM, Bossart EA, Critchley-Thorn RJ, Bergman, JJ	PODIUM PRESENTATION AT DDW 2021, VIRTUAL 43 TissueCypher Objectively Risk Stratifies Barrett's Esophagus Patients with Low Grade Dysplasia	https://www.gastrojournal.org/article/S0016-5085(21)00780-0/fulltext
<i>United European Gastroenterology Journal</i>	2020	Frei N, Khoshiwal A, Konté K, Bossart EA, Stebbins K, Zhang Y, Pouw RE, Ten Kate FJW, Seldenrijk CA, Meijer SL, Critchley-Thorne RJ, Bergman JJ	PODIUM PRESENTATION AT UEG 2020 ANNUAL MEETING OP017 - Independent Validation of TissueCypher to Predict Progression in Community-Based Barrett's Esophagus with Low-Grade Dysplasia: Analysis in a Completed Prospective Study	https://journals.sagepub.com/doi/pdf/10.1177/2050640620927344
<i>Gastroenterology</i>	2020	Frei NF, Konte K, Bossart EA, Khoshiwal A, Zhang Y, Stebbins K, Critchley-Thorne RJ, Pouw RW, Bergman JJ	DDW 2020 ANNUAL MEETING ABSTRACT 1085 - Independent Validation of TissueCypher to Predict Progression in Community-based Barrett's Esophagus with LowGrade Dysplasia: Analysis in a Completed Prospective Study	https://www.gastrojournal.org/article/S0016-5085(20)31214-2/fulltext
<i>Gastroenterology</i>	2020	Odze R, Davison JM, Goldblum JR, Thota PN, Grewal US, Deitrick C, McGrath K, Fasanella K, Zhang Y, Critchley-Thorne RJ	DDW 2020 ANNUAL MEETING ABSTRACT Sa1203 - Prediction of Neoplastic Progression in Barrett's Esophagus by Pathologic Assessment of Degree of Crypt Atypia and by TissueCypher	https://www.gastrojournal.org/article/S0016-5085(20)31475-X/pdf
<i>Gastroenterology</i>	2020	Frei F, Konte K, Bossart EA, Khoshiwal AM, Zhang Y, Stebbins K, Critchley-Thorne RJ, Pouw RE, Bergman JJ	DDW 2020 ANNUAL MEETING ABSTRACT Sa1189 - Independent Validation of TissueCypher to Predict Future Progression in Non-dysplastic Barrett's Esophagus: A Spatialtemporal analysis	https://www.gastrojournal.org/article/S0016-5085(20)31461-X/fulltext

PRESENTATIONS (CONTINUED)

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<i>American Journal of Gastroenterology</i>	2019	Frei NF, Konte K, Bossart EA, Zhang Y, Critchley-Thorne RJ, Pouw RE, Bergman JJ	POSTER PRESENTATION AT ACG 2019 ANNUAL MEETING, SAN ANTONIO, TX P0269 - Evaluation of Additional Spatial and Temporal Information Increases the Overall Accuracy of an Objective Risk Prediction Assay in Patients with Non-Dysplastic Barrett's Esophagus	https://journals.lww.com/ajg/Fulltext/2019/10001/Evaluation_of_Additional_Spatial_and_Temporal.371.aspx
<i>American Journal of Gastroenterology</i>	2019	Frei NF, Konte K, Bossart EA, Zhang Y, Critchley-Thorne RJ, Pouw RE, Bergman JJ	POSTER PRESENTATION AT ACG 2019 ANNUAL MEETING, SAN ANTONIO, TX P0270 - An Automated, Quantitative Multiplex Immunofluorescence Assay Accurately Risk Stratifies Barrett's Esophagus Patients with a Community-Based Diagnosis of Low-Grade Dysplasia at a Rate Comparable to Expert Pathologists	https://journals.lww.com/ajg/Fulltext/2019/10001/An_Automated,_Quantitative_Multiplex.372.aspx
<i>United European Gastroenterology Journal</i>	2019	Frei NF, Konte K, Bossart EA, Zhang Y, Critchley-Thorne RJ, Pouw RE, Bergman JJ	POSTER PRESENTATION AT UEG WEEK 2019, BARCELONA, SPAIN An Automated, Quantitative Multiplex Immunofluorescence Assay Accurately Risk Stratifies Barrett's Esophagus Patients with a Community-Based Diagnosis of Low-Grade Dysplasia at a Rate Comparable to Expert Pathologists	https://ueg.eu/library/an-automated-quantitative-multiplex-immunofluorescence-assay-accurately-risk-stratifies-barretts-esophagus-patients-with-a-community-based-diagnosis-of-low-grade-dysplasia-at-a-rate-comparable-to-expert-pathologists/209769
<i>Gastroenterology</i>	2019	Davison JM, Goldblum J, Grewal US, McGrath K, Deitrick C, DeWard AD, Bossart EA, Hayward SL, Zhang Y, Critchley-Thorne RJ, Thota PN	PODIUM PRESENTATION AT DDW 2019, SAN DIEGO 1068 - Independent Validation of a Tissue Systems Pathology Test to Predict Progression in Barrett's Esophagus Patients	https://www.gastrojournal.org/article/S0016-5085(19)37353-6/abstract

PRESENTATIONS (CONTINUED)

PUBLICATION	YEAR	AUTHOR	TITLE	LINK
<i>Gastrointestinal Endoscopy</i>	2018	Diehl DL, Khara HS, Akhtar N, Critchley-Thorne RJ	POSTER PRESENTATION AT DDW 2018, WASHINGTON DC Su1109 - Clinical Experience with a Multiplexed Immunofluorescence Tissue Biomarker Assay (Tissue Cypher BE) in the Management of Barrett's Esophagus: A Single Center Experience	www.giejournal.org/article/S0016-5107(18)31867-4/abstract
<i>Gastroenterology</i>	2016	Critchley-Thorne RJ, Duits LC, Prichard JW, Davison JM, Jobe BA, Campbell B, Zhang Y, Repa K, Reese L, Li J, Diehl DL, Jhala NC, Ginsberg GG, DeMarshall M, Foxwell T, Zaidi AH, Lansing Taylor D, Rustgi AK, Bergman JJ, Falk GW	PODIUM PRESENTATION AT DDW 2016, SAN DIEGO 301 - A Novel Tissue Systems Pathology Test Predicts Progression in Barrett's Esophagus Patients	https://www.gastrojournal.org/article/S0016-5085(16)30347-X/abstract
<i>Gastroenterology</i>	2016	Critchley-Thorne RJ, Davison JM, Prichard JW, Li J, Diehl DL, Reese L, Zhang Y, Jhala NC, Ginsberg GG, DeMarshall M, Foxwell T, Jobe BA, Zaidi AH, Duits LC, Bergman JJ, Rusgti AK, Falk GW	POSTER PRESENTATION AT DDW 2016, SAN DIEGO Sa1257 - A Tissue Systems Pathology Test Detects a Field Effect Associated with High Grade Dysplasia and Esophageal Cancer in Barrett's Esophagus Patients	www.gastrojournal.org/article/S0016-5085(16)30928-3/abstract
<i>Value in Health</i>	2016	Hao J, Snyder SR, Pitcavage JM, Critchley-Thorne RJ	PODIUM PRESENTATION AT ISPOR 2016, WASHINGTON DC CN4 - A Cost-Effectiveness Analysis of a Test That Predicts Risk of Malignant Progression in Barrett's Esophagus	www.valueinhealthjournal.com/article/S1098-3015(16)00113-3/abstract
<i>Gastroenterology</i>	2016	Hao J, Snyder SR, Pitcavage JM, Critchley-Thorne RJ	POSTER PRESENTATION AT DDW 2016, SAN DIEGO Sa1261 - A Cost-Effectiveness Analysis of a Cancer Risk Prediction Test for Patients with Barrett's Esophagus	www.gastrojournal.org/article/S0016-5085(16)30932-5/abstract

PRESENTATIONS (CONTINUED)

PUBLICATION	YEAR	AUTHOR	TITLE	LINK
<i>Modern Pathology</i>	2015	Davison JM, Prichard J, Campbell B, Repa K, Reese L, Nguyen XM, Foxwell T, Li J, Diehl D, Barley M, Falk G, Jhala N, DeMarshall M, Bergman J, Duits L, Jobe B, Zaidi A, Zhang Y, Critchley-Thorne RJ	POSTER PRESENTATION AT USCAP 2015, BOSTON 611 - Quantitative Multiplexed Biomarker and Morphology Analysis To Aid Diagnosis of Dysplasia in Barrett's Esophagus	https://doi.org/10.1038/modpathol.2015.15