

Publications 2018



UNIVERSITY OF LEEDS

★ = 3 Star Publications

Journal of Pathology
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ORIGINAL PAPER

Prospective patient stratification into robust cancer-cell intrinsic subtypes from colorectal cancer biopsies

Matthew Alderice¹, Susan D Richman², Simon Gollins³, James P Stewart¹, Chris Hurt¹, Richard Adams¹, Amy MB McCorry¹, Aiden C Roddy¹, Dale Vimalachandran³, Claudio Isella^{4,7}, Enzo Medico^{4,7}, Tim Maughan⁸, Darragh G McArt¹, Mark Lawler¹ and Philip D Dunne^{1*}

INFLAMMATORY BOWEL DISEASES

No Significant Association Between the Fecal Microbiome and the Presence of Irritable Bowel Syndrome-type Symptoms in Patients with Quiescent Inflammatory Bowel Disease

Oliver Shutekver, MRes^{1,2}, David J. Gracie, MBChB^{1,3,4}, Caroline Young, BMBClin¹, Henry M. Wood, PhD¹, Morag Taylor, BSc¹, P. John Hamlin, PhD¹, Alexander C. Ford, MD^{1,2,3,4}, and Philip Quirke, PhD^{1,2}

Histopathology

Digital pathology for the primary diagnosis of breast histopathological specimens: an innovative validation and concordance study on digital pathology validation and training

Bethany Jill Williams^{1,2}, Andrew Hanby^{1,2}, Rebecca Millican-Slater¹, Anju Nijhawan¹, Eldo Verghese^{1,2} and Darren Treanor^{1,2}

¹Department of Histopathology, Leeds Teaching Hospitals NHS Trust, and ²University of Leeds, Leeds, UK

Open access Original research

Somatic cancer genetics in the UK: real-world data from phase I of the Cancer Research UK Stratified Medicine Programme

Colin R Lindsay^{1,2,3}, Emily C Shaw^{4,5}, Fiona Blackhall^{1,2,3}, Kevin G Blyth^{6,7,8}, James D Brenton^{9,10,11}, Anshuman Chaturvedi^{12,13}, Noel Clarke¹³, Craig Dick¹⁴, Thomas R J Evans^{15,16,17}, Geoff Hall^{17,18}, Andrew M Hanby^{17,19,20,21}, David J Harrison^{22,23}, Stephen R D Johnston^{24,25}, Malcolm D Mason^{26,27,28}, Dion Morton^{29,30}, Julia Newton-Bishop^{1,27}, Andrew G Nicholson^{31,32}, Karin A Oien³³, Sanjay Popat^{33,34}, Doris Raza³⁵, Rowena Sharpe⁴, Philippe Tanier^{30,36}, Ian Walker⁴, William A Wallace^{33,37}, Nicholas P West^{17,21}, Rachel Butler³⁸, David Gonzalez de Castro³⁹, Mike Griffiths⁴⁰, Peter W M Johnson⁴⁵

Journal of Clinical Pathology

Journal of Clinical Pathology

Interobserver variation in the diagnosis of fibroepithelial lesions of the breast: a multicentre audit by digital pathology

Benjamin F Dessauvage^{1,2,3,4}, Andrew H S Lee⁵, Katie Meehan⁴, Anju Nijhawan¹, Puay Hoon Tan⁶, Jeremy Thomas⁷, Bibiana Tie³, Darren Treanor^{1,2,8}, Seemeen Umar¹, Andrew M Hanby^{1,2}, Rebecca Millican-Slater¹

Histopathology

Histopathology 2018 DOI: 10.1111/his.13491

Prognostic value of pathological lymph node status and primary tumour regression grading following neoadjuvant chemotherapy – results from the MRC OE02 oesophageal cancer trial

Nasser Davarzi^{1,2,*}, Gordon G A Hutchins^{3,4}, Nicholas P West³, Lindsay C Hewitt¹, Matthew Nankivell⁴, David Cunningham⁵, William H Allum⁶, Elizabeth Smyth⁵, Nicola Valeri^{5,7}, Ruth E Langley⁸ & Heike I Grabsch^{1,3}

Diagnostic Histopathology

Uterine adenocarcinoma: a case-based review of the diagnostic features

Katie E Allen¹, Paul A Bennett¹, Nicolas M Orsi¹

Journal of Pathology

J Pathol 2018
Published online in Wiley Online Library
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ORIGINAL PAPER

Integrated eicosanoid lipidomics and gene expression reveal decreased prostaglandin catabolism and increased 5-lipoxygenase expression in aggressive subtypes of endometrial cancer

Michele Cummings¹, Karen A Massey², Georgia Mappa¹, Nafisa Wilkinson¹, Richard Hutson¹, Sanka Munot¹, Sam Saidi¹, David Nugent¹, Timothy Broadhead¹, Alexander I Wright¹, Stuart Barber¹, Anna Nicolaou¹ and Nicolas M Orsi^{1*}

Pathobiology

Pathobiology

Differential Expression of MicroRNAs in Breast Cancers from Four Different Ethnicities

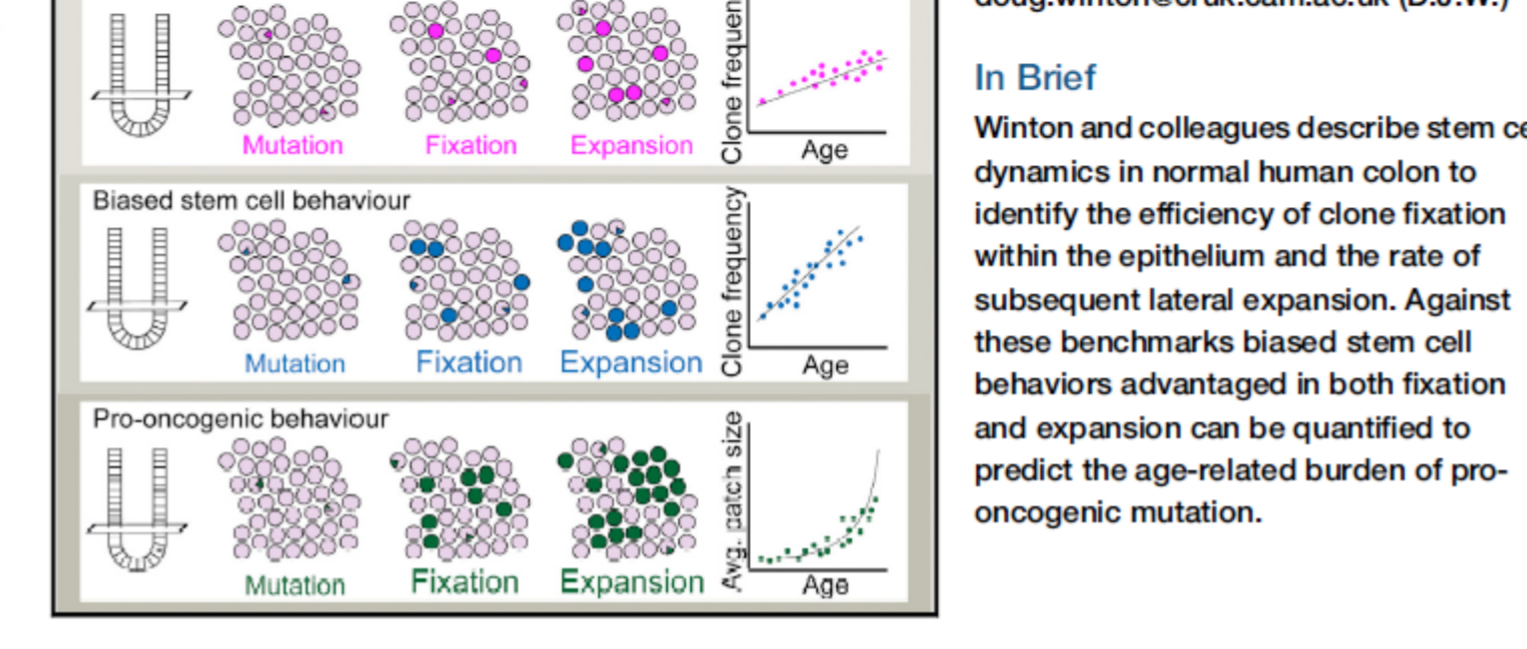
Jennifer Pollard¹, Phil A Burns², Tom A Hughes³, Colan Ho-Yen⁴, J. Louise Jones⁵, Geethashree Mukherjee⁶, Ganiat O. Omoniyi-Esan⁷, Nicholas Akinwale Titloye⁸, Valerie Speirs⁹, Abeer M. Shaaban¹

Cell Stem Cell

Cell Stem Cell

Fixation and Spread of Somatic Mutations in Adult Human Colonic Epithelium

Anna M. Nicholson, Cora Olpe, Alice Hoyle, ... Mark Wilkinson, Edward Morrissey, Douglas J. Winton



BJC

British Journal of Cancer

Harnessing citizen science through mobile phone technology to screen for immunohistochemical biomarkers in bladder cancer

Peter Smittenaar¹, Alexandra K Walker², Shaun McGill³, Christiana Kartsonaki^{3,4}, Rupesh J. Robinson-Vyas¹, Janette P. McQuillan¹, Sarah Christie¹, Leslie Harris¹, Jonathan Lawson¹, Elizabeth Henderson¹, Will Howat¹, Andrew Hanby², Gareth J. Thomas¹, Selina Bhattarai¹, Lisa Browning^{1,5} and Anne E. Kilte⁶

Clinical Epigenetics

Clinical Epigenetics

Prognostic DNA methylation markers for sporadic colorectal cancer: a systematic review

Muriel X. G. Draht¹, Danny Goudkade¹, Alexander Koch¹, Heike I. Grabsch^{1,2}, Maty P. Weijenberg³, Manon van Engeland¹, Veerle Melotte⁴ and Kim M. Smits¹

EJC

European Journal of Cancer

Evaluation of applying IHC4 as a prognostic model in the translational study of Intergroup Exemestane Study (IES): PATHIES

M. C. U. Cheang¹, J. M. Bliss¹, G. Viale², V. Speirs³, C. Palmieri⁴, A. Shaaban⁵, P. E. Lennox⁶, J. Morden⁷, N. Porta⁸, J. Jassen⁹, C. J. van de Velde¹⁰, B. B. Rasmussen¹¹, D. Verhooven¹², J. M. S. Bartlett¹³, R. C. Coombes¹⁴

Diagnostic Histopathology

How to make tissue microarrays

Gordon Hutchins
Heike I Grabsch

Journal of Clinical Pathology

Journal of Clinical Pathology

Future-proofing pathology part 2: building a business case for digital pathology

Bethany Jill Williams^{1,2}, David Bottoms³, David Clark⁴, Darren Treanor^{1,2}

Colorectal Disease

Colorectal Disease

Colon cancer surgery: pathological quality control is essential for optimal outcomes

Abstract
Following Professor Madoff's overview lecture and the expert round table discussion Dr West and Professor Quirke provide a commentary of the major gains which could be made by improving and standardizing the quality of colon cancer surgery.

Cytopathology

Cytopathology

Digital cytology: A short review of technical and methodological approaches and applications

A. Capitano¹, R. E. Dina², D. Treanor^{3,4}

Virchow Archiv

An international survey-based study on colorectal cancer pathology reporting—guidelines versus local practice

Maria Urbanowicz^{1,2}, Heike I. Grabsch^{3,4}, Frederic Fiten^{5,6,7}, Yan Liu¹, Carmela Caballero¹, Jean-François Fikjou^{8,9}

Consensus on the pathological definition and classification of poorly cohesive gastric carcinoma

C. Mariette¹, F. Carneiro², H. I. Grabsch^{3,4}, R. S. van der Post⁵, W. Allum⁶, Giovanni de Manzoni⁷ on behalf of European Chapter of International Gastric Cancer Association

Journal of Pathology

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ORIGINAL PAPER

Identification and validation of DOCK4 as a potential biomarker for risk of bone metastasis development in patients with early breast cancer

Julia A Westbrooke¹, Steven L Wood², David A Cairns³, Kathryn McMahon⁴, Renu Gahlaut¹, Helene Thygesen¹, Mike Shires¹, Stephanie Roberts¹, Helen Marshall¹, Maria R Oliva¹, Mark J Dunning¹, Andrew M Hanby¹, Peter J Selby¹, Valerie Speirs⁵, Georgia Pavani⁶, Robert E Coleman¹ and Janet E Brown^{1,2,3,4}

Cytopathology

Cytopathology

Reply to Van Es et al. Digital pathology: A constant evolution

Dear Editor,
The letter from Van Es et al makes useful positive comments about some aspects of our original paper. It is clear that the main technical problem related to digital cytology is the three-dimensional distribution of the cells network in the cytological preparation. As Van Es et al say,

time is certainly influenced by the quality of the net and to a lesser extent by the magnification used, but it is too long for a routine use. For this reason, we believe that the so-called extended focus imaging is, at the moment, not only tempting, but also the best compromise despite all the problems related to processing time, background

Journal of Pathology

Journal of Pathology

Stanniocalcin 2 expression is associated with a favourable outcome in male breast cancer

Carnilla Coulson-Gilmer¹, Matthew P Humphries², Gresham Sundara Rajan¹, Alastair Droop³, Sharon Jackson¹, Alexandra Condon¹, Gabor Cierni¹, Lee B Jordan¹, Louise J Jones¹, Rani Karanth¹, Anna Di Benedetto¹, Marcella Mottolone¹, Elena Provenzano¹, Janina Kulka¹, Abeer M Shaaban¹, Andrew M Hanby¹ and Valerie Speirs^{1*}

Clinical Breast Cancer

Clinical Breast Cancer

Neoadjuvant Endocrine Therapy in Breast Cancer Upregulates the Cytotoxic Drug Pump ABCG2/BCRP, and May Lead to Resistance to Subsequent Chemotherapy

Diana E. Baxter¹, Baek Kim², Andrew M. Hanby^{1,3}, Eldo T. Verghese³, Andrew H. Sims⁴, Thomas A. Hughes¹

BJC

British Journal of Cancer

A prospective phase II study of pre-operative chemotherapy then short-course radiotherapy for high risk rectal cancer: COPERNICUS

Simon Gollins¹, Nicholas West², David Sebag-Montefiore³, Shabbir Sunseriwal⁴, Stephen Falk⁵, Nick Brown⁶, Mark Saunders⁷, Philip Quirke⁸, Ruby Ray⁹, Philip Parsons¹⁰, Gareth Griffiths¹¹, Tim Maughan¹², Richard Adams¹³ and Chris Hurt¹⁴

Journal of Clinical Pathology

Journal of Clinical Pathology

Results of the UK NEQAS for Molecular Genetics reference sample analysis

Susan D Richman¹, Jennifer Fairley², Jacqueline A Hall², Nakul Nataraj³, Mrudul Bhide³, Aron Lau³, Kara L Norman³, Zandra C Deans²

BJS

BJS

Systematic review of treatment intensification using novel agents for chemoradiotherapy in rectal cancer

R. Clifford¹, N. Govindarajah¹, J. L. Parsons¹, S. Gollins², N. P. West³ and D. Vimalachandran^{1,4}

ACTA ONCOLOGICA

ACTA ONCOLOGICA

Routine CT scan one year after surgery can be used to estimate the level of central ligation in colon cancer surgery

Ditte Louise E. Munkedal¹, Mona Rosenkilde², Nicholas P. West³ and Soren Laurberg⁴

Journal of Clinical Pathology

Journal of Clinical Pathology

Digital pathology access and usage in the UK: results from a national survey on behalf of the National Cancer Research Institute's CM-Path initiative

Bethany Jill Williams¹, Jessica Lee², Karin A Oien³, Darren Treanor⁴

Endocrine-Related Cancer

Endocrine-Related Cancer

Characterising the adipose-inflammatory microenvironment in male breast cancer

Tom Lees^{1,2}, Angharad Cullinane¹, Alexandra Condon¹, Abeer M Shaaban², Matthew P Humphries¹ and Valerie Speirs^{1*}

Colorectal Disease

Colorectal Disease

Acetone clearance of mesocolic or mesorectal fat increases lymph node yield and may improve detection of high-risk Stage II colorectal cancer patients

C. A. W. Leung¹, G. E. Fazzi², J. Melenhorst³, D. Rennspies⁴ and H. I. Grabsch^{5*}

Mini-invasive Surgery

Mini-invasive Surgery

The importance of pathological quality control for rectal surgery

Alice C. Westwood, Nick P. West

Translational Cancer Mechanisms and Therapy

Translational Cancer Mechanisms and Therapy

Endogenous Production of IL1B by Breast Cancer Cells Drives Metastasis and Colonization of the Bone Microenvironment

Claudia Tulotta¹, Diane V. Lefley¹, Katy Freeman¹, Walter M. Gregory², Andrew M. Hanby³, Paul R. Heath⁴, Faith Nutter¹, J. Mark Wilkinson¹, Amy R. Spicer-Hadlington¹, Xinming Liu¹, Steven M. J. Bradbury¹, Lisa Hambley¹, Victoria Cookson¹, Gloria Allocca¹, Marianna Kruthof de Julio⁵, Robert E. Coleman¹, Janet E. Brown¹, Ingunn Holen¹, and Penelope D. Ottewill¹

CONSENSUS STATEMENT

CONSENSUS STATEMENT

St.Gallen consensus on safe implementation of transanal total mesorectal excision

Michel Adamina^{1,2,3}, Nicolas C. Buchs⁴, Marta Penna⁵, Roel Hompes⁶, on behalf of the St.Gallen Colorectal Consensus Expert Group

Laser Capture Microdissection and Isolation of High-Quality RNA from Frozen Endometrial Tissue

Laser Capture Microdissection and Isolation of High-Quality RNA from Frozen Endometrial Tissue

Michele Cummings, Georgia Mappa, and Nicolas M. Orsi

Colorectal Disease

Colorectal Disease

IntAct: intra-operative fluorescence angiography to prevent anastomotic leak in rectal cancer surgery: a randomized controlled trial

G. Armstrong¹, J. Croft², N. Corrigan³, J. M. Brown⁴, V. Goh⁵, P. Quirke⁶, C. Hulme⁷, D. Tolan⁸, A. Kirby⁹, R. Cahill¹⁰, P. R. O'Connell¹¹, D. Miskovic¹², M. Coleman¹³ and D. Jayne¹⁴

Cancer Medicine

Cancer Medicine

Identification of a high-risk subtype of intestinal-type Japanese gastric cancer by quantitative measurement of the luminal tumor proportion

Toru Aoyama¹, Gordon Hutchins², Tomio Arai³, Kentaro Sakamaki⁴, Yohei Miyagi⁵, Akira Tsuburaya⁶, Takashi Ogata⁷, Takashi Oshima⁸, Sophie Earle⁹, Takaki Yoshikawa¹⁰ and Heike I. Grabsch^{2,8}

IEEE TRANSACTIONS ON VISUALIZATION AND COMPUTER GRAPHICS

IEEE TRANSACTIONS ON VISUALIZATION AND COMPUTER GRAPHICS

Interactive Visualization of 3D Histopathology in Native Resolution

Martin Falk, Anders Ynnerman, Darren Treanor, and Claes Lundström

Journal of Pathology: Clinical Research

Journal of Pathology: Clinical Research

Quality assurance guidance for scoring and reporting for pathologists and laboratories undertaking clinical trial work

Max Robinson¹, Jacqueline James², Gareth Thomas³, Nicholas West⁴, Louise Jones⁵, Jessica Lee⁶, Karin Oien⁷, Alex Freeman⁸, Clare Craig⁹, Philip Sloan¹⁰, Philip Elliot¹¹, Maggie Cheung¹², Manuel Rodriguez-Justo¹³, and Claire Ventral¹⁴

Colorectal Disease

Colorectal Disease

Significant polyps and early colorectal cancer: the importance of high-quality standardized histopathology

N. P. West¹, G. Langman², N. Haboubi³, F. Carey⁴, J. Henry⁵, M. Morgan⁶ and K. Sheehan¹

Helicon

Helicon

BACCHUS: A randomised non-comparative phase II study of neoadjuvant chemotherapy (NACT) in patients with locally advanced rectal cancer (LARC)

Chen R, Ghossein A, M. R. Hill, A. Lopez, S. Franco, V. Goh, S. Hossain, J. Bolognani, I. Chou, H. Wu, B. Moran, L. M. L. M. N. P. West, P. Quirke, W. L. Wang, S. Hossain, N. Hossain, M. Duggan, M. Hassan, BACCHUS A

European Journal of Surgical Oncology

European Journal of Surgical Oncology

Response assessment after (chemo)radiotherapy for rectal cancer: Why are we missing complete responses with MRI and endoscopy?

Marit E. van der Sande¹, Geerdard L. Beets^{2,3}, Britt JP. Hupkens^{4,5}, Stéphanie O. Breukink⁶, Jarno Melenhorst⁶, Frans CH. Bakkers⁶, Doenja MJ. Lambregts⁶, Heike I. Grabsch^{6,7,8}, Regina GH. Beets-Tan^{6,9}, Monique Maas^{6,9}

nature ecology & evolution

nature ecology & evolution

The evolutionary landscape of colorectal tumorigenesis

William Cross¹, Michal Kovacec², Ville Mustonen³, Daniel Temko⁴, Hayley Davis⁵, Ann-Marie Baker⁶, Sujata Biswas⁷, Roland Arnold⁸, Laura Cheung⁹, Chandler Gatenbee¹⁰, Alexander R. Anderson¹¹, Viktor H. Koelzer¹², Pierre Martinez¹³, Xiaowei Jiang¹⁴, Eric Domingo¹⁵, Dan J. Woodcock¹⁶, Yun Feng¹⁷, Monika Kovacova¹⁸, Tim Maughan¹⁹, The SCORT Consortium²⁰, Marnix Jansen²¹, Manuel Rodriguez-Justo²², Shazad Ashraf²³, Richard Guy²⁴, Christopher Cunningham²⁵, James E. East²⁶, David C. Wedge²⁷, Lai Mun Wang²⁸, Claire Palles²⁹, Karl Heinemann^{30,31}, Andrea Sottoriva³², Simon J. Ledham³³, Trevor A. Graham³⁴ and Ian P. M. Tomlinson³⁵