

SUPPORTING INFORMATION

APPENDIX 1

Author affiliations

1. Translational & Clinical Research Institute, Newcastle University, Newcastle upon Tyne, NE2 4HH, UK
2. Department of Gastroenterology, Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle upon Tyne, NE1 4LP, UK
3. Department of Gastroenterology, Hull University Teaching Hospitals NHS Trust, Hull, HU3 2JZ, UK
4. Faculty of Health Sciences, University of Hull, Hull, HU6 7RX, UK
5. Department of Gastroenterology, King's College Hospital NHS Foundation Trust, London, SE5 9RS, UK
6. Department of Gastroenterology, Imperial College Healthcare NHS Trust, London, W2 1NY, UK
7. Department of Gastroenterology, Royal Wolverhampton NHS Trust, Wolverhampton, WV10 0QP, UK
8. Research Institute in Healthcare Science, University of Wolverhampton, Wolverhampton, WV1 1LY, UK
9. Department of Gastroenterology, University College London Hospitals NHS Foundation Trust, London, NW1 2BU, UK
10. Department of Gastroenterology, Royal Liverpool and Broadgreen University Hospitals NHS Trust, Liverpool, L7 8XP, UK
11. Cellular and Molecular Physiology, Institute of Translational Medicine, University of Liverpool, Liverpool, L69 3GE, UK
12. Department of Gastroenterology, Queen Elizabeth Hospital Birmingham NHS Foundation Trust, Birmingham, B15 2TH, UK
13. Institute of Applied Health Research, University of Birmingham, Birmingham, B15 2TT, UK
14. Department of Gastroenterology, St George's University Hospitals NHS Foundation Trust, London, SW17 0QT, UK
15. Department of Gastroenterology, Torbay and South Devon NHS Foundation Trust, Torquay TQ2 7AA
16. Department of Gastroenterology, Royal Devon and Exeter NHS Foundation Trust, Exeter, EX2 5DW, UK
17. Exeter IBD Research Group, University of Exeter, Exeter, EX4 4QL, UK

Declarations of interest

Dr. Christopher Lamb reports grants from Genentech, grants and personal fees from Janssen, grants and personal fees from Takeda, grants from AbbVie, personal fees from Ferring, grants from Eli Lilly, grants from Pfizer, grants from Roche, grants from UCB Biopharma, grants from Sanofi Aventis, grants from Biogen IDEC, grants from Orion OYJ, personal fees from Dr Falk Pharma, grants from AstraZeneca, outside the submitted work. Professor. Shaji Sebastian reports grants from Biogen, Takeda, AbbVie, Tillotts Pharma, Ferring, Biohit, Advisory board fees from Takeda, AbbVie, Pharmacocosmos, Ferring, Falk Pharma, Cellgene, Tillots Pharma, Biohit, Janssen, personal speaker fees from AbbVie, Biogen, Janssen, Merck, Tillotts, Falk Pharma, outside the submitted work. Dr Alexandra Kent reports personal fees from Pfizer, personal fees from Celgene-BMS, personal fees from Tillotts, personal fees from Janssen, personal fees and non-financial support from Dr Falk, personal fees and non-financial support from Takeda, outside the submitted work. Professor. Matthew Brookes reports grants from Vifor International, grants from Tillotts Pharma, other from Tillotts Pharma, personal fees from Vifor International, outside the submitted work. Dr. Sreedhar Subramanian reports personal fees from Celltrion, personal fees from Janssen, personal fees from Takeda, personal fees from Vifor pharma, personal fees from Boehringer-Ingelheim, outside the submitted work. Dr. Kamal Patel reports personal fees and non-financial support from Janssen, personal fees and non-financial support from Abbvie, personal fees and non-financial support from Takeda, personal fees and non-financial support from DrFalk, non-financial support from Ferring, outside the submitted work. Dr. Gareth Walker reports personal fees from AbbVie, personal fees from Falk, personal fees from Janssen, personal fees from Norgine, during the conduct of the study. Dr. Nicholas Kennedy reports personal fees from Dr Falk, personal fees from Janssen, grants and personal fees from Pharmacosmos, personal fees from Takeda, personal fees from Tillotts, outside the submitted work. Dr Jonathan Segal, Dr Haidee Gonzalez, Dr Shameer Mehta, Dr Neeraj Bhala, Dr Lucy Hicks and Dr Thomas Conley have nothing to disclose.

APPENDIX 2

****Contributors (PREPARE-IBD collaborators)**

Shukri Abdale, Abdullah Abbasi, Anwar Abusrewil, Precious Aghimien, Saeed Ahmed, Akram Ali, Amjad Ali, Jad Alkhoury, Patrick Allen, Ammar Al-Rifaie, Richard Appleby, Ramesh Arasaradnam, Naila Arebi, Bradley Arms-Williams, Muteeb Ashraf, Andrea Au, Saleha Azhar, Tamar Avades, Homira Ayubi, Samantha Baillie, Sharmili Balarajah, Aaron Bancil, Abdul Basit, Murad Bayati, Andrew Bell, Alexander Berry, Neeraj Bhala, Shivaram Bhat, Joya Bhattacharyya, Sophia Bishop, Laura Blackmore, Ashley Bond, Simon Borg-Bartolo, Emma Botwright, Sonia Bouri, Stephen Boyle, Neil Bradley, Fiona Brailsford, Deborah Britton, Matthew J Brookes, Caitlin Brown, Rhys Butcher, Jeffrey Butterworth, Rachel Campbell, Roisin Campbell, Iona Campbell, Ruth Carr, Josiah Carter, Peter Cartlidge, Rajiv Chandy, Kelly Chatten, Rakesh Chaudhary, Desmond Chee, Jonathan Cheesbrough, Sara Chughtai, Antonia Churchhouse, Jennifer Clough, Alexander Cole, Thomas Conley, Johannah Cook, Rachel Cooney, Sarah Cotton, Archibald Coulter, Tamsin Critchlow, Frederic Cuisson, Chris Curran, Ana-Maria Darie, Robin Dart, Pantong Davwar, Kasamu Kabiru Dawa, Anjan Dhar, Shahida Din, Kok Leong Diong, Benjamin Disney, Emma Dooks, Louise Downey, Anita D'Souza, Lovesh Dyall, Mary Elias, Holli Evans, Richard Felwick, Michael Finegan, Paul Flanagan, Rishi Fofaria, Steven Fong, Richard Fox, Aileen Fraser, Christian Frunza, Alhassan Ghodeif, Nivedita Ghosh, Leah Gilroy, Haidee Aleman Gonzalez, Larissa Good, John Gordon, Nicola Grasso, Aurélien M Guérault, James Gulliver, Sarah Guthrie, Markus Gwiggner, Mina Hanna, Christopher Harlow, Wendy Harrison, Ailsa Hart, Barney Hawthorne, Julie Henshaw, Rosaleen Herdman-Grant, Lucy Hicks, Patricia Hooper, Willow Howard, Nasir Hussain, Thomas Hutton, Aye Mya Htun, Peter Irving, Reema Jagdish, Anum Javed, Asima Javed, Nishani Jayasooriya, Matthew Johnson, Emma Johnston, Gareth-Rhys Jones, Cynthia Kanagasundaram, Foteini Karagkouni, Cheryl Kemp, Karen Kemp, Nicholas A Kennedy, Alexandra J Kent, Hesham Khalil, Najeebullah Khan, Mais Khasawneh, Bilal Khurshid, Andrew King, Beverley Kirkham, Fiona Kirkham, Flora Kokwaro, Mohamed Korani, Ioannis Koumoutsos, Aditi Kumar, Anish John Kuriakose Kuzhiyanjal, Martyn Lakeland, Christopher Andrew Lamb, Sophie Laverick, Charlie Lees, Emma Levell, Scott Levison, Samuel Lim, Yuen-Hui Lim, Jimmy Limdi, James Oliver Lindsay, Jessica Lisle, Alan Lobo, Raphael Luber, Laura Lucaciu, Holly Lyne, Jonathan MacDonald, Aarani Mahalingam, Sara Mahgoub, Ridhima Malakar, Fenella Marley, Joy Mason, Ali Masri, Zia Mazhar, Hannah McCaughan, Adam McCulloch, Stuart McIlwaine, Nirmol Meah, Leila Mebarek, Shameer J Mehta, Radharetnas Meiarasu, Mike Mendall, Tilly Mills, Nasir Mir, Victoria Moffat, Gordon W Moran, Liam Morris, Gary Morrison, Graham Morrison, Robert Mulligan, Charles Murray, Jennifer Murray, Mutwakil Musharaf, Sally Myers, Pineshwari Naeck-Boolaiky, Andres Naranjo, Tracy Naughton, Janardhan Navaratnam, Deanna Naylor, Emma Nixon, Kirsty Nixon, Hesam Ahmadi Nooredinvand, Uche Nosegbe, Olaolu

Olabintan, Elaine Ong Ming San, Comfort Okpeh, Hayley Owen, Christopher Palmer-Jones, Kamal V Patel, Kalyan Peddada, Mohammad Peerally, Rebecca Perkins, Frank Phillips, Keith Pohl, Richard Pollok, Nick Powell, Farah Qayyum, Maria Qurashi, Mohammed Nabil Quraishi, Elizabeth Ratcliffe, Shellie Radford, Sohail Rahmany, Hanin Ramadan, Arvind Ramadas, Anne Reddington, Tom Riley, Peter Rimmer, Susan Ritchie, Jacqueline Konstantina Rosiou, Siobhan Rowland, Joseph Sabine, Aamir Saifuddin, Mark Samaan, Priya Sarkar, Shahzad Sarwar, Ayodele Sasegbon, Jayne Saunders, Shaji Sebastian, Gregory Sebepos-Rogers, John Paul Seenan, Jonathan P Segal, Christian Selinger, Solange Serna, Sonika Sethi, Matthew Shale, Richard Shenderrey, Achuth Shenoy, Yousuf Sherifat, Rosey Sheth, Spyros Siakavellas, Rafid Sikafi, Amar Singh, Salil Singh, Updesh Singh, Ganesh Sivaji, Philip Smith, R Alexander Speight, Andy Spence, Catherine Stansfield, Helen Steed, Sreedhar Subramanian, Kishaani Suseehran, Maria Tabuso, Donatas Taucius, Joanne Taylor, Amit Thakor, Tony Tham, Gill Townsend, Tristan Townsend, Thomas Troth, Ruth Tunney, Kelly Turner, Nosheen Umar, Vithushan Vakeeswarasarma, Ajay M Verma, Gareth Walker, Hazel Wallace, Hannah Walton, Bo Wang, Eleanor Warner, Callum Watson, Eleanor Watson, Susie Wen, Monika Widlak, Maureen Williams, Amy Woods, Lisa Younge, Mansoor Zafar.

Supplementary Table 1: PREPARE-IBD study group and institutions

Institution	Contributors
Airedale NHS Foundation Trust	Richard Shenderey Kalyan Peddada Emma Dooks
Barts Health NHS Trust	James Oliver Lindsay Jennifer Murray Aaron Bancil
Basildon and Thurrock University Hospitals NHS Foundation Trust	Zia Mazhar Leila Mebarek Aarani Mahalingam Christopher Palmer-Jones Jacqueline Roscoe
Belfast Health & Social Care Trust	Graham Morrison Stephen Boyle
Blackpool Teaching Hospitals NHS Foundation Trust	Rhys Butcher Tom Riley Aye Mya Htun
Bolton NHS Foundation Trust	Salil Singh Kelly Chatten Ruth Tunney
Cardiff and Vale University Health Board	Barney Hawthorne Bradley Arms-Williams Alexander Berry Janardhan Navaratnam
Chelsea and Westminster Hospital NHS Foundation Trust	Richard Appleby Emma Johnston Sharmili Balarajah Larissa Good Holli Evans
County Durham and Darlington NHS Foundation Trust	Anjan Dhar Susan Ritchie
Croydon Health Services NHS Trust	Mike Mendall Amy Woods Homira Ayubi
East Suffolk and North Essex NHS Foundation Trust	Achuth Shenoy Thomas Hutton Joy Mason Deanna Naylor Kelly Turner
East Sussex Healthcare NHS Trust	Steven Fong Frederic Cuison Hesam Nooredinwand Sophia Bishop Murad Bayati Muteeb Ashraf Mansoor Zafar
Guy's and St Thomas' NHS Foundation Trust	Peter Irving Raphael Peter Luber Jennifer Clough

	Samuel Lim Mark Samaan
Hampshire Hospitals NHS Foundation Trust	John Gordon Deborah Britton Sarah Cotton Emma Levell Foteini Karagkouni Fiona Kirkham
Harrogate and District NHS Foundation Trust	Ganesh Sivaji Mary Elias Mais Khasawneh
Hull University Teaching Hospitals NHS Trust	Shaji Sebastian Haidee Aleman Gonzalez Jessica Lisle Sally Myers
Imperial College Healthcare NHS Trust	Lucy Hicks Nick Powell Jonathan Segal Alexander Cole Rishi Fofaria Yousuf Sherifat Akram Ali Callum Watson Anita D'Souza Aurélien M Guérault
Kettering General Hospital NHS Foundation Trust	Ajay M Verma Solange Serna Amjad Ali Mohammad Peerally
King's College Hospital NHS Foundation Trust	Alexandra Kent Aamir Saifuddin Ali El Rida El Masri Christopher Harlow Martyn Lakeland Hanin Ramadan
Kingston Hospital NHS Foundation Trust	Beverley Kirkham Andres Naranjo Rosaleen Herdman-Grant
Lancashire Teaching Hospitals NHS Foundation Trust	Michael Finegan Liam Morris Joseph Sabine Mutwakil Musharaf
Leeds Teaching Hospitals NHS Trust	Christian Selinger Elaine Ong Ming San Konstantina Rosiou
Lewisham and Greenwich NHS Trust	Mina Hanna Bo Wang Laura Blackmore Tracy Naughton Samantha Baillie

Liverpool University Hospitals NHS Foundation Trust	Sreedhar Subramanian Ashley Bond Philip Smith Tristan Townsend Thomas Conley
London North West University Healthcare NHS Trust	Ailsa Hart Naila Arebi Lovesh Dyll Sonia Bouri Roosey Sheth Lisa Younge Susie Wen Pineshwari Naeck-Boolauky Comfort Okpeh
Luton and Dunstable University Hospital NHS Foundation Trust	Matthew Johnson Cynthia Kanagasundaram Joya Bhattacharyya Kasamu Kabiru Dawa
Maidstone and Tunbridge Wells NHS Trust	Rafid Sikafi Flora Kokwaro Eleanor Warner Maureen Williams Anum Javed
Manchester University NHS Foundation Trust	Simon Borg-Bartolo Karen Kemp Kirsty Nixon Johannah Cook Kirsty Nixon Scott Levison Willow Howard Andrea Au
Medway NHS Foundation Trust	Nivedita Ghosh Pantong Davwar Olaolu Olabintan
Newcastle upon Tyne Hospitals NHS Foundation Trust	Christopher Andrew Lamb R Alexander Speight Robert Mulligan Andrew King Ruth Owen
NHS Greater Glasgow & Clyde	John Paul Seenan Jonathan MacDonald Roisin Campbell Iona Campbell Chris Curran Jayne Saunders
NHS Lothian	Shahida Din Eleanor Watson Antonia Churchhouse Peter Cartlidge Hannah Walton Laura Lucaciu

	Spyros Siakavellas Gareth-Rhys Jones Victoria Moffat Charlie Lees
Northern Health and Social Care Trust	Kok Leong Diong Leah Gilroy Hannah McCaughan
Northern Lincolnshire and Goole NHS Foundation Trust	Shahzad Sarwar Najeebullah Khan Rebecca Perkins Farah Qayyum Caitlin Brown Updesh Singh
Nottingham University Hospitals NHS Trust	Gordon W Moran Shellie Radford Frank Phillips Matthew Shale Ana-Maria Darie
Pennine Acute Hospitals NHS Trust	Jimmy Limdi Anish John Kuriakose Kuzhiyanjal Mohammed Korani Ayodele Sasegbon Joanne Taylor
Royal Devon & Exeter NHS Foundation Trust	Nick Kennedy Desmond Chee Keith Pohl
Royal Free London NHS Foundation Trust	Charles Murray Robin Dart Siobhan Rowland Holly Lyne
Royal Wolverhampton NHS Trust	Helen Steed Matthew Brookes Aditi Kumar Kishaani Suseeharan Sonika Sethi Precious Aghimien Priya Sarkar Saleha Azhar
Salford Royal NHS Foundation Trust	Catherine Stansfield Emma Nixon Elizabeth Ratcliffe Abdul Basit Uche Nosegbe
Sheffield Teaching Hospitals NHS Foundation Trust	Alan Lobo Ammar Al-Rifaie Alhassan Ghodeif
Shrewsbury and Telford Hospital NHS Trust	Jeffrey Butterworth Gill Townsend Jad Alkhoury Abdullah Abbasi Nosheen Umar

	Asima Javed Shukri Abdale
South Eastern Health & Social Care Trust	Patrick Allen Tony Tham Neil Bradley Andy Spence
South Tees Hospitals NHS Foundation Trust	Arvind Ramadas Anwar Abusrewil Emma Botwright
Southend University Hospital NHS Foundation Trust	Ioannis Koumoutsos Sophie Laverick Vithushan Vakeeswarasarma Donatas Taucius
Southern Health & Social Care Trust	Shivaram Bhat Gary Morrison Richard Fox Christian Frunza Stuart McIlwaine
St George's University Hospitals NHS Foundation Trust	Kamal Patel Richard Pollok Nishani Jayasooriya Nicola Grasso
St Helens and Knowsley Teaching Hospitals NHS trust	Rajiv Chandy Reema Jagdish Nirmol Meah Julie Henshaw
Stockport NHS Foundation Trust	Rachel Campbell
Torbay and South Devon NHS Foundation Trust	Gareth Walker Yuen-Hui Lim James Gulliver
University College London Hospitals NHS Foundation Trust	Shameer Mehta Gregory Sebeos-Rogers Hazel Wallace
University Hospital Southampton NHS Foundation Trust	Markus Gwiggner Richard Felwick Louise Downey Sohail Rahmany Sara Chughtai Radharetnas Meiarasu Bilal Khurshid Tilly Mills
University Hospitals Birmingham NHS Foundation Trust	Neeraj Bhala Mohammed Nabil Quraishi Adam McCulloch Thomas Troth Rachel Cooney Amar Singh Ridhima Malakar Sara Mahgoub Maria Qurashi

	Tamsin Critchlow Peter Rimmer Jonathan Cheesbrough Nasir Mir Nasir Hussain
University Hospitals Bristol NHS Foundation Trust	Aileen Fraser Ruth Carr Josiah Carter
University Hospitals Coventry and Warwickshire NHS Trust	Ramesh Arasaradnam Benjamin Disney Monika Widlak Maria Tabuso
University Hospitals of Leicester NHS Trust	Patricia Hooper Saeed Ahmed Hesham Khalil
University Hospitals of Morecambe Bay NHS Foundation Trust	Sarah Guthrie Wendy Harrison Hayley Owen
West Hertfordshire Hospitals NHS Trust	Rakesh Chaudhary Amit Thakor Katharina Wallis Jentus Milton Cheryl Kemp
Weston Area Health NHS Trust	Andrew Bell Fenella Marley Archibald Coulter
Wirral University Teaching Hospital NHS Foundation Trust	Paul Flanagan Tamar Avades Anne Reddington Fiona Brailsford