

International Primary Care
Respiratory Group

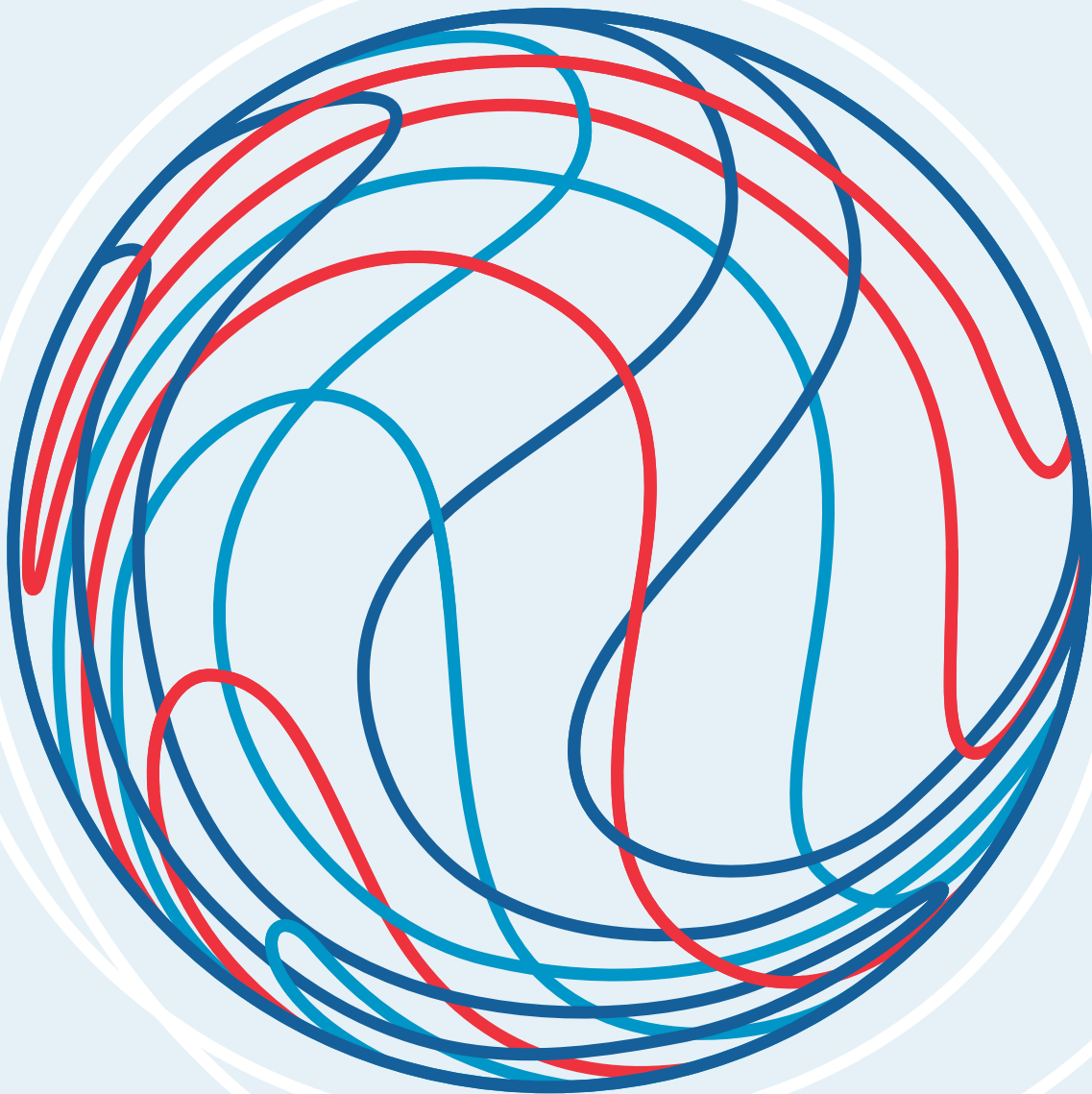
IPCRG

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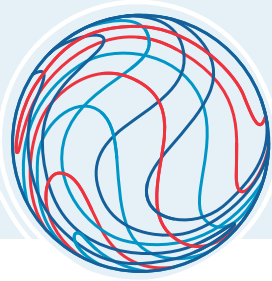
work locally
collaborate globally

Munich, Germany
15–16 May 2023

7th IPCRG Scientific Meeting



ABSTRACTS LIST



7th IPCRG Scientific Meeting

QR Code & URL

Paper

Oral presentations; Conversation Café 1: Integrating multiple perspectives in primary care

Monday 15th May 13:15 -14:30

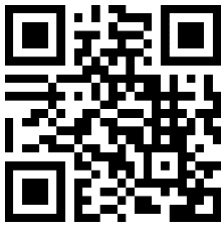


<https://www.ipcrg.org/23001>

CC1.1 | *“I want to know what to expect; even though it’s not pleasant. I want to know what’s going to happen and how to handle it when it does.” The views of patients and carers on best care for people with COPD: an interview study*

Ann Hutchinson¹, Richard Russell², Helena Cummings³, Omar Usmani⁴, Judith Cohen¹, Sarah MacFadyen⁵, Tamsin Morris⁶, Hana Mullerova⁷, Yang Xu⁶, Gary Hellens⁶, Kay Roy⁸, Michael Crooks¹

¹University of Hull, Hull, United Kingdom, ²Kings College London, London, United Kingdom, ³Holderness Health, East Yorkshire, United Kingdom, ⁴Imperial College London, London, United Kingdom, ⁵Asthma and Lung UK, London, United Kingdom, ⁶AstraZeneca, London, United Kingdom, ⁷AstraZeneca, Cambridge, United Kingdom, ⁸University College London, London, United Kingdom



<https://www.ipcrg.org/23002>

CC1.2 | **Video resources for people with Chronic Obstructive Pulmonary Disease: An exploratory qualitative study**

Nathan Skidmore¹, Jenny Alexanders¹, Laura Cordova-Rivera¹, Sian Williams², Joe Casson², Clare Cook³, Mark Orme⁴, **Kirsti Loughran**¹

¹Teesside University, Middlesbrough, United Kingdom, ²IPCRG, London, United Kingdom, ³The Primary Care Respiratory Society, Bristol, United Kingdom, ⁴University of Leicester, Leicester, United Kingdom

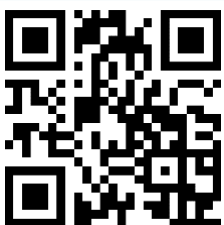


<https://www.ipcrg.org/23003>

CC1.3 | **Perceptions on chronic respiratory diseases as predictors of respiratory risk behaviours in rural Crete, Greece: an observational FRESH AIR study**

Marilena Anastasaki¹, Evelyn Brakema², Niels Chavannes², Ioanna Tsiligianni¹, Christos Lionis¹

¹Clinic of Social and Family Medicine, School of Medicine, University of Crete, Heraklion, Greece, ²Department of Public Health and Primary Care, Leiden University Medical Centre, Leiden, Netherlands



<https://www.ipcrg.org/23004>

CC1.4 | **Building a diagnostic picture of asthma in primary care: Development of a novel ‘jigsaw puzzle’ approach**

Siân Williams, Janwillem Kocks, Dermot Ryan, Jaime Correia de Sousa

IPCRG, Edinburgh, United Kingdom

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Paper

Oral presentations; Conversation Café 2:
 Service development, evaluation and prevention services

Monday 15th May 14:35 – 15:50



<https://www.ipcrg.org/23005>

CC2.1 | Evaluation of stakeholder engagement in global health research: Lessons learnt from the RESPIRE programme in Bangladesh, India, Malaysia, and Pakistan

Jayakayatri Jeevajothi Nathan¹, Genevieve Fernandes², Tracy Jackson², Siân Williams³

¹Universiti Malaya, Kuala Lumpur, Malaysia, ²Usher Institute, University of Edinburgh, Edinburgh, United Kingdom, ³International Primary Care Respiratory Group, Edinburgh, United Kingdom



<https://www.ipcrg.org/23006>

CC2.2 | Providing evidence based answers to first hand COVID and respiratory questions from the IPCRG Sentinel Network of practising primary care clinicians: A novel service report

Neil Fitch², **Alan Kaplan**¹, Fiona Mosgrove³, Janwillem Kocks⁴, Jaime Correia de Sousa⁵, Ee-Ming Khoo⁶, Karin Lisspers⁷, Tiago Maricoto⁸, Ioanna Tsiligianni⁹, Tracey Lonergan², Siân Williams²

¹Family Physician Airways Group of Canada, University of Toronto, Toronto, Canada, ²The International Primary Care Respiratory Group, Edinburgh, UK, ³Newburn medical group, Aberdeen, UK, ⁴General Practitioners Research Institute, Groningen, The Netherlands, ⁵ICVS/3B's Associate Laboratory, Life and Health Sciences Research Institute (ICVS), School of Medicine, University of Minho, Braga, Portugal, ⁶Department of Primary Care Medicine, Faculty of Medicine, University of Malaya, Kuala Lumpur, Malaysia, ⁷Dept of Public Health and Caring Sciences, Family Medicine and Preventive Medicine, Uppsala University, Uppsala, Sweden, ⁸Beira Ria Family Health Unit, Ílhavo Health Center, Aveiro, Portugal, ⁹Department of Social Medicine, University of Crete, Crete, Greece

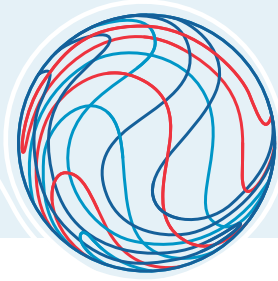


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CC2.3 | Knowledge and Attitudes of Kyrgyz physicians towards Sleep Medicine: results of the SMAKK survey

Azat Bolotbek Uulu^{1,3}, Nurdin Shakiev^{1,3}, Adilet Omuralieva^{1,3}, Gulzada Mirzalieva^{1,3}, Maamed Mademilov^{1,3}, Talant Sooronbaev^{1,3}, Lorenzo Cirri^{2,3}, Tsogyal Daniela Latshang^{2,3}

¹Dept. of Respiratory Medicine, National Center of Cardiology and Internal Medicine named after acad. M. Mirrakhimov, Bishkek, Kyrgyz Republic, ²Dept. of Respiratory and Sleep Medicine, Cantonal Hospital of the Grisons, Teaching Hospital of the University Zurich, Chur, Switzerland, ³Swiss-Kyrgyz Research Initiative, Bishkek, Kyrgyz Republic



7th IPCRG Scientific Meeting

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Paper

Oral presentations; Conversation Café 3: Detection and screening tools in primary care

📅 Monday 15th May ⌚ 16:30 - 17:45

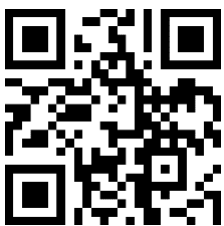


CC3.1 | Timely detection of chronic obstructive pulmonary disease in primary health care

Pedro Fonte^{1,2}, Inês Domingues², Duarte Araújo³, Pedro Teixeira¹, Jaime Correia de Sousa¹

¹Life and Health Sciences Research Institute/School of Medicine, University of Minho, Braga, Portugal, ²Family Health Unit of Minho, Braga, Portugal, ³Hospital Senhora da Oliveira, Guimarães, Portugal

<https://www.ipcrg.org/23008>



CC3.2 | Screening tools for work-related asthma and their diagnostic accuracy: a systematic review

Ngamjit Kongsupon¹, Gareth I. Walters^{1,2}, Christopher C Huntley^{1,2}, Peymane Adab¹, Rachel E. Jordan¹

¹Institute of Applied Health Research, University of Birmingham, Birmingham, United Kingdom, ²Birmingham Regional NHS Occupational Lung Disease Service, Birmingham Chest Clinic, Birmingham, UK

<https://www.ipcrg.org/23009>



CC3.3 | How to successfully design and implement sustainable, evidence-based prevention packages targeting tobacco use and air pollution exposure in adolescents in disadvantaged populations?

Charlotte M. Hoffman, Anke Versluis, Marise J. Kasteleyn, Niels H. Chavannes, Rianne M.J.J. van der Kleij

Public Health and Primary Care, Leiden University Medical Center, Leiden, The Netherlands

<https://www.ipcrg.org/23010>

QR Code & URL

Paper

Oral presentations; Conversation Café 4:
Research ideas

📅 Tuesday 16th May ⌚ 09:00 -10:15



<https://www.ipcrg.org/23011>

CC4.1 | Performing high-quality situational analysis into the burden of tobacco and air pollution exposure among adolescents in disadvantaged populations

Charlotte M. Hoffman, Anke Versluis, Marise J. Kasteleyn, Niels H. Chavannes, Rianne M.J.J. van der Kleij

Leiden University Medical Center, Amsterdam, The Netherlands



<https://www.ipcrg.org/23012>

CC4.2 | Exacerbations in COPD patients with comorbid depression and anxiety

Therese Öfverholm^{1,2}, Hanna Sandelowsky^{1,2}, Anna Nager¹, Karin Lisspers³, Mikael Hasselgren^{4,5}, Björn Stållberg³, Josefin Sundh⁶, Scott Montgomery^{7,8,9}, Christer Janson¹⁰, Marta Kisiel¹¹, Maaïke Giezeman^{4,5}

¹Department of Neurobiology, Care Sciences and Society, Section for Family Medicine and Primary Care, Karolinska Institutet, Stockholm, Sweden, ²Academic Primary Care Centre, Region Stockholm, Stockholm, Sweden, ³Department of Public Health and Caring Sciences, Family Medicine and Preventive Medicine, Uppsala University, Uppsala, Sweden, ⁴School of Medical Sciences, Faculty of Medicine and Health, Örebro University, Örebro, Sweden, ⁵Centre for Clinical Research, Region Värmland, Karlstad, Sweden, ⁶Department of Respiratory Medicine, Faculty of Medicine and Health, Örebro University, Örebro, Sweden, ⁷Clinical Epidemiology and Biostatistics, School of Medical Sciences, Faculty of Medicine and Health, Örebro University, Örebro, Sweden, ⁸Clinical Epidemiology Division, Department of Medicine, Karolinska Institutet, Stockholm, Sweden, ⁹Department of Epidemiology and Public Health, University College London, London, United Kingdom, ¹⁰Department of Medical Sciences, Respiratory, Allergy and Sleep Research, Uppsala University, Uppsala, Sweden, ¹¹Department of Medical Sciences, Occupational and Environmental Medicine, Uppsala University, Uppsala, Sweden



<https://www.ipcrg.org/23013>

CC4.3 | The diagnostic test accuracy of oscillometry for diagnosing airway obstruction

Alexey Fomenko, Antonius Schneider

Institute of General Practice and Health Services Research, TUM School of Medicine, Technical University of Munich, Munich, Germany

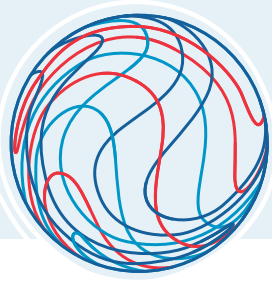


<https://www.ipcrg.org/23014>

CC4.4 | Does over-reliance on montelukast affect the implementation of the “Asthma Right Care (ARC)” movement in Bangladesh?

Sadia Sultana^{1,2}, **Monsur Habib**³, Manal Mizanur Rahman⁴, Ee Ming Khoo⁵, Siân Williams⁶

¹Bangladesh Lung Foundation, Dhaka, Bangladesh, ²DNCC Dedicated Covid-19 Hospital, Dhaka, Bangladesh, ³Bangladesh Primary Care Respiratory Society, Dhaka, Bangladesh, ⁴BSM Medical University, Dhaka, Bangladesh, ⁵University Malaya, Kuala Lumpur, Malaysia, ⁶IPCRG, Munich, Germany



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Paper

Oral presentations; Conversation Café 5: The value of tools in practice

 Tuesday 16th May  11:00 -12:15



<https://www.ipcrg.org/23015>

CC5.1 | Feasibility of the Munich Asthma Questionnaire to assess symptom control in asthma patients of primary care

Stefanie Eck¹, Christina Kellerer¹, Konrad Schultz², Frank Heimann³, Andreas Hellmann⁴, Antonius Schneider¹

¹TUM School of Medicine, Institute of General Practice and Health Services Research, Technical University of Munich, Munich, Germany, ²Clinic Bad Reichenhall, Center for Rehabilitation, Pneumology and Orthopedics, Bad Reichenhall, Germany, ³Outpatient Pneumology with Allergy Center, Stuttgart, Germany, ⁴Center for Pneumology, Sleep Medicine and Oncology at the Diako, Augsburg, Germany



<https://www.ipcrg.org/23016>

CC5.2 | A systematic review about the possible role of learning theories in the development of a new educational model for inhalation technique in patients with asthma or COPD

Lars Dijk^{1,2}, Kim Burger^{2,3}, Siebrig Schokker⁴, Esther Metting^{2,3}, Paul Hagedoorn^{2,5,6}, Ellen Van Heijst⁸, Titia Klemmeijer^{4,6}, Marion den Boer-Steurs⁷, Miguel Román-Rodríguez⁹, Ioanna Tsiligianni¹⁰, Thys van der Molen^{2,3}, Janwillem Kocks^{1,2,11,12}

¹General Practitioners Research Institute (GPRI), Groningen, The Netherlands, ²Groningen Research Institute for Asthma and COPD (GRIAC), University Medical Center Groningen, University of Groningen, Groningen, the Netherlands, ³Department of General Practice, University Medical Center Groningen, University of Groningen, Groningen, the Netherlands, ⁴Research Institute, Martini Hospital, Groningen, the Netherlands, ⁵Department of Pharmaceutical Technology and Biopharmacy, University of Groningen, Groningen, the Netherlands, ⁶Inhalation Institute of the Netherlands (IIN), Groningen, the Netherlands, ⁷Medical Center Hoogezand-Sappemeer, Hoogezand, the Netherlands, ⁸Certe, integral medical diagnostic services and advice, Groningen, the Netherlands, ⁹Primary Care Respiratory Research Unit. Instituto de Investigación Sanitaria de las Islas Baleares. IB-Salut, Palma de Mallorca, Spain, ¹⁰Department of Social Medicine, Health Planning Unit, Faculty of Medicine, University of Crete, Rethymno, Greece, ¹¹Observational and Pragmatic Research Institute, Singapore, Singapore, ¹²Department of Pulmonology, University of Groningen, University Medical Center Groningen, Groningen, The Netherlands

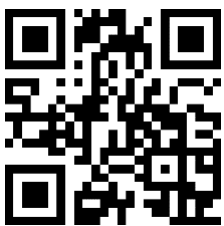


<https://www.ipcrg.org/23017>

CC5.3 | Exploring the use of asynchronous consultations for reviewing asthma in primary care from the perspective of patients, healthcare professionals and organisations

Md Nazim Uzzaman¹, Vicky Hammersley¹, Kirstie McClatchey¹, Jessica Sheringham², Hilary Pinnock¹

¹The University of Edinburgh, Edinburgh, United Kingdom, ²University College Hospital, London, London, United Kingdom



<https://www.ipcrg.org/23018>

CC5.4 | The acceptability and feasibility of CRP POCT test for respiratory diagnosis in children in Kyrgyzstan: the qualitative study

Azamat Akylbekov¹, Maamed Mademilov¹, Gulzada Mirzalieva¹, Nurdin Shakiev¹, Elvira Isaeva², Aizhamal Tabyshova¹, Gritt Overbeck³, Susanne Reventlow³, Talant Sooronbaev¹

¹National Center of Cardiology and Internal Medicine named after academician M. Mirrakhimov, Bishkek, Kyrgyzstan, ²National Center of Maternity and Childhood Care, Bishkek, Kyrgyzstan, ³Department of Public Health, University of Copenhagen, Copenhagen, Denmark



<https://www.ipcrg.org/23019>

CC5.5 | Multidisciplinary tuberculosis care: leveraging the role of hospital pharmacists

Deni Iskandar^{1,2,3}, Ivan Surya Pradipta⁴, Ani Anggriani³, Maarten J. Postma^{1,2}, Job F.M. van Boven^{1,2,5}

¹University Of Groningen, Groningen, The Netherlands, ²University Medical Center Groningen (UMCG), Groningen, The Netherlands, ³Bhakti Kencana University, Bandung, Indonesia, ⁴Universitas Padjadjaran, Bandung, Indonesia, ⁵Monash University, Melbourne, Australia

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Paper

Oral Presentations Session 1:
Asthma

Monday 15th May 13:15 -14:30



OP1.1 | IMPLementing IMProved Asthma self-management as RouTine (IMP2ART) in primary care: internal pilot for a cluster randomised controlled trial

Kirstie McClatchey¹, Atena Barat², Brigitte Delaney³, Barbara Searle², Viv Marsh¹, Vicky Hammersley¹, Liz Steed², Jessica Sheringham⁴, Stephanie Taylor², Hilary Pinnock¹

¹The University of Edinburgh, Edinburgh, United Kingdom, ²Queen Mary University of London, London, United Kingdom, ³The University of Sheffield, Sheffield, United Kingdom, ⁴University College London, London, United Kingdom

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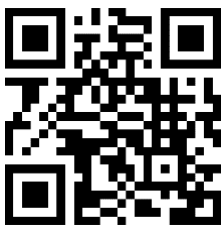


OP1.2 | Randomized control trial of integrated community health worker services and primary care practices for Low-Income people with asthma

James Stout^{1,2}, Bradley Kramer^{1,2}, Roxanna Chen², Stephanie Farquhar¹, Lin Song²

¹University of Washington, Seattle, United States, ²Public Health Seattle King County, Seattle, United States

<https://www.ipcrg.org/23021>



OP1.3 | Make every puff count - The Impact of different Valved Holding Chambers (VHCs) on Carbon Footprint of MDIs

Jem Patel¹, Jason Suggett², Mark Nagel²

¹Trudell Medical UK, Basingstoke, United Kingdom, ²Trudell Medical International, London, Canada

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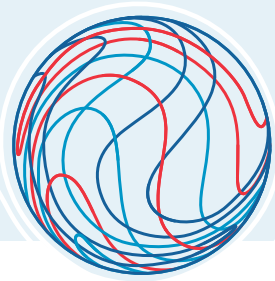


OP1.4 | Understanding and influencing primary care professionals' perceptions of asthma management in Greece: Using the Asthma Right Care programme

Ioanna Tsiligianni¹, Christos Spanias¹, Despo Ierodiakonou², Nikolaos Tzanakis³, Sian Williams¹, Izolde Bouloukaki¹

¹Department of Social Medicine, Faculty of Medicine, University of Crete, Heraklion, Greece, ²University of Nicosia, Nicosia, Cyprus, ³Department of Thoracic Medicine, University Hospital of Heraklion, Medical School, University of Crete, Heraklion, Greece

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7th IPCRG Scientific Meeting

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Paper

Oral Presentations Session 2: COPD

Monday 15th May 13:15 -14:30

OP2.1 | The influence of mixing inhaler devices on inhaler technique in COPD

Lars Dijk¹, Marjan Kerkhof¹, Merijn Driessen¹, Yoran Gerritsma¹, Sinthia Bosnic-Anticevich^{2,3}, Jaime Correia de Sousa⁴, Richard Dekhuijzen⁵, Huib Kerstjens⁶, Marika Leving¹, David Price^{7,8}, Ioanna Tsiligianni⁹, Omar Usmani¹⁰, Janwillem Kocks^{1,6,11}

¹General Practitioners Research Institute (GPRI), Groningen, The Netherlands, ²Woolcock Institute of Medical Research, University of Sydney, Sydney, Australia, ³Sydney Local Health District, , Australia, ⁴Life and Health Sciences Research Institute (ICVS), PT Government Associate Laboratory, School of Medicine, University of Minho, Braga, Portugal, ⁵Radboud University Medical Center, Nijmegen, the Netherlands, ⁶Department of Pulmonology, University of Groningen, University Medical Center Groningen, Groningen, the Netherlands, ⁷Observational and Pragmatic Research Institute, Singapore, Singapore, ⁸Centre of Academic Primary Care, Division of Applied Health Sciences, University of Aberdeen, Aberdeen, United Kingdom, ⁹Department of Social Medicine, Health Planning Unit, Faculty of Medicine, University of Crete, Rethymno, Greece, ¹⁰Airway Disease, National Heart and Lung Institute (NHLI), Imperial College London and Royal Brompton Hospital, London, United Kingdom, ¹¹University of Groningen, University Medical Center Groningen, GRIAC Research Institute, Groningen, The Netherlands

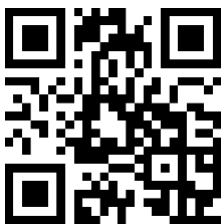


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OP2.2 | Management of Chronic Obstructive Pulmonary Disease in Primary Health Care – Evaluation of family physician's perceptions about usual care

Pedro Fonte^{1,2}, Inês Domingues², Rui Macedo³, Inês Ladeira⁴, Jaime Correia de Sousa¹

¹Life and Health Sciences Research Institute/School of Medicine, University of Minho, Braga, Portugal, ²Family Health Unit of Minho, Braga, Portugal, ³Health Centre Group of Braga, Braga, Portugal, ⁴Faculty of Medicine, University of Porto, Porto, Portugal



<https://www.ipcrg.org/23025>

OP2.3 | Depression and anxiety in COPD – prevalence and patient characteristics in Sweden

Therese Öfverholm^{1,2}, Hanna Sandelowsky^{1,2}, Anna Nager¹, Karin Lisspers³, Mikael Hasselgren^{4,5}, Björn Stållberg³, Josefine Sundh⁶, Scott Montgomery^{7,8,9}, Christer Jansson¹⁰, Marta Kisiel¹¹, Maaïke Giezeman^{4,5}

¹Department of Neurobiology, Care Sciences and Society, Section for Family Medicine and Primary Care, Karolinska Institutet, Stockholm, Sweden, ²Academic Primary Care Centre, Region Stockholm, Stockholm, Sweden, ³Department of Public Health and Caring Sciences, Family Medicine and Preventive Medicine, Uppsala University, Uppsala, Sweden, ⁴School of Medical Sciences, Faculty of Medicine and Health, , Örebro, Sweden, ⁵Centre for Clinical Research, Region Värmland, Karlstad, Sweden, ⁶Department of Respiratory Medicine, Faculty of Medicine and Health, Örebro University, Örebro, Sweden, ⁷Clinical Epidemiology and Biostatistics, School of Medical Sciences, Faculty of Medicine and Health, Örebro University, Örebro, Sweden, ⁸Clinical Epidemiology Division, Department of Medicine, Karolinska Institutet, Stockholm, Sweden, ⁹Department of Epidemiology and Public Health, University College London, London, United Kingdom, ¹⁰Department of Medical Sciences, Respiratory, Allergy and Sleep Research, Uppsala University, Uppsala, Sweden, ¹¹Department of Medical Sciences, Occupational and Environmental Medicine, Uppsala University, Uppsala, Sweden



<https://www.ipcrg.org/23026>

OP2.4 | High use of short-acting beta-2-agonists in COPD is associated with an increased risk of exacerbations and mortality

Christer Janson¹, Fredrik Wiklund², Gunilla Telg³, Georgios Stratelis³, **Hanna Sandelowsky**^{4,5,6}

¹Department of Medical Sciences: Respiratory, Allergy and Sleep Research, Uppsala University, Uppsala, Sweden, ²Statisticon AB, Uppsala, Sweden, ³AstraZeneca Nordic, Stockholm, Sweden, ⁴Department of Medicine, Solna, Division of Clinical Epidemiology, Karolinska Institutet, Stockholm, Sweden, ⁵Department of Neurobiology, Care Sciences and Society, Division of Family Medicine and Primary Care, Karolinska Institutet, Stockholm, Sweden, ⁶Academic Primary Health Care Centre, Region Stockholm, Stockholm, Sweden



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Paper

Oral Presentations Session 3:
Diagnosis approaches in primary care

📅 Monday 15th May ⌚ 14:35 -15:50



OP3.1 | Characterisation of existing COPD diagnoses in the Health Centre Group of Braga (Portugal)

Pedro Fonte^{1,2}, Carina Ferreira², Inês Domingues², Benvinda Barbosa², Pedro Teixeira¹, Jaime Correia de Sousa¹

¹Life and Health Sciences Research Institute/School of Medicine, University of Minho, Braga, Portugal, ²Family Health Unit of Minho, Braga, Portugal

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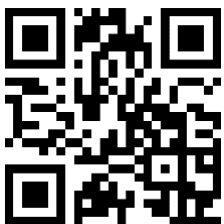


OP3.2 | CRP POCT test for diagnosis of respiratory infections in children in Kyrgyzstan: the randomised controlled clinical trial

Elvira Isaeva¹, Aizhamal Tabyshova², Azamat Akylbekov², Maamed Mademilov², Talant Sooronbaev², Joakim Bloch³, Anja Poulsen⁴, Rune Munck Aabenhus⁵, Jesper Kjærgaard⁴

¹National Center of Maternity and Childhood Care, Bishkek, Kyrgyzstan, ²National Center of Cardiology and Internal Medicine named after academician M. Mirrakhimov, Bishkek, Kyrgyzstan, ³Department of Clinical Microbiology, Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark, ⁴Global Health Unit, Department of Pediatrics and Adolescent Medicine, Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark, ⁵The Research Unit for General Practice and Section of General Practice, Department of Public Health, University of Copenhagen, Copenhagen, Denmark

<https://www.ipcrg.org/23029>



OP3.3 | The acceptability of an asthma diagnosis clinical decision support system to primary care clinicians

Luke Daines, Anne Canny, Eddie Donaghy, Victoria Murray, Hilary Pinnock

Usher Institute, University of Edinburgh, Edinburgh, United Kingdom

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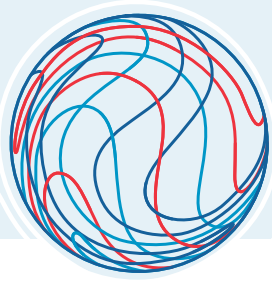


OP3.4 | Prediction rule using FeNO and symptoms for diagnosing asthma

Benjamin Valentin Brunn, Alexander Hapfelmeier, Rudolf Jörres, Konrad Schultz, Antonius Schneider

Technical University Munich, Munich, Germany

<https://www.ipcrg.org/23031>



7th IPCRG Scientific Meeting

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Paper

Oral Presentations Session 4: Spirometry in primary care

Monday 15th May 14:35 -15:50

OP4.1 | Feasibility, quality and added value of unsupervised at-home spirometry in primary care

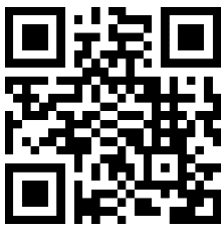


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Thomas le Rütte¹, Marjan Kerkhof¹, Yoran Gerritsma¹, **Merijn Driessen-Roelfszema¹**, Lisette van den Bemt², Jean Muris³, Roland Riemersma⁴, Hanna Sandelowsky^{5,6}, Björn Stridh⁷, Janwillem Kocks^{1,8,9,10}

¹General Practitioners Research Institute, Groningen, The Netherlands, ²Department of Primary and Community Care, Radboud University Medical Center, Nijmegen, The Netherlands, ³Department of Family Medicine, Maastricht University Medical Center, Maastricht, The Netherlands, ⁴Department of General Practice, University of Groningen, University Medical Center Groningen, Groningen, The Netherlands, ⁵Department of Family Medicine and Primary Care, Karolinska Institutet, Stockholm, Sweden, ⁶Academic Primary Health Care Centre, Region Stockholm, Stockholm, Sweden, ⁷KRY Healthcare Center, Stockholm, Sweden, ⁸Observational and Pragmatic Research Institute, Singapore, ⁹Groningen Research Institute Asthma and COPD (GRIAC), University of Groningen, University Medical Center Groningen, Groningen, The Netherlands, ¹⁰Department of Pulmonology, University of Groningen, University Medical Center Groningen, Groningen, The Netherlands

OP4.2 | The landscape of spirometry services in England and the potential for Artificial Intelligence decision support software in primary care; a qualitative study



<https://www.ipcrg.org/23033>

Gillian Doe¹, Steph Taylor², Marko Topalovic³, Richard Russell⁴, Rachael Evans¹, Julie Maes³, Karolien Van Orshoven³, Anthony Sunjaya⁵, David Scott⁶, Toby Prevost⁷, Ethaar El-Emir⁸, Jennifer Harvey⁸, Nick Hopkinson⁹, Samantha Kon⁸, Suhani Patel^{8,9}, Ian Jarrold¹¹, Nannette Spain¹², William Man^{8,9,10}, Ann Hutchinson¹³

¹Department of Respiratory Sciences, University of Leicester, Leicester, United Kingdom, ²Wolfson Institution of Population Health, Queen Mary University, London, United Kingdom, ³ARTIQ, Leuven, Belgium, ⁴Nuffield Department of Medicine, University of Oxford, Oxford, United Kingdom, ⁵The George Institute for Global Health, UNSW, Sydney, Australia, ⁶Southampton Health Technology Assessments Centre, University of Southampton, Southampton, United Kingdom, ⁷Kings College London, London, United Kingdom, ⁸Harefield Respiratory Research Group, Guy's and St Thomas' NHS Foundation Trust, London, United Kingdom, ⁹National Heart & Lung Institute, Imperial College London, London, United Kingdom, ¹⁰Faculty of Life Sciences and Medicine, King's College London, London, United Kingdom, ¹¹Asthma + Lung UK, London, United Kingdom, ¹²Patient and public involvement representative, London, United Kingdom, ¹³Wolfson Palliative Care Research Centre, Hull and York Medical School, University of Hull, Hull, United Kingdom

OP4.3 | Belgian General Practitioners' perspectives on the use of spirometry in primary care: a qualitative study



<https://www.ipcrg.org/23034>

Sofie Willaert¹, Camille Vanhecke², Julie Maes², Marko Topalovic², Jan Y. Verbakel¹

¹KU Leuven, Leuven, Belgium, ²ArtiQ, Leuven, Belgium

QR Code & URL

Paper

Oral Presentations Session 5:
Breathlessness Session

Monday 15th May 16:30 – 17:45



<https://www.ipcrg.org/23035>

OP5.1 | Improving the diagnosis of breathlessness in primary care: development and implementation of the “Breathlessness diagnostics in a Box” (BiaB)

Chantal Arling¹, Thomas le Rütte¹, Marjan Kerkhof¹, Merijn Driessen-Roelfszema¹, Yoran Gerritsma¹, Chris Gale^{2,3}, Ana Cebrián-Cuenca^{4,5}, Fiona Mosgrove⁶, Rudolf de Boer⁷, Richard Russell⁸, Bernardino Alcázar-Navarrete⁹, Huib Kerstjens^{10,12}, **Janwillem Kocks^{1,10,11,12}**

¹General Practitioners Research Institute (GPRI), Groningen, The Netherlands, ²Department of Cardiology, Leeds Teaching Hospitals NHS Trust, Leeds, United Kingdom, ³Leeds Institute for Cardiovascular and Metabolic Medicine, University of Leeds, Leeds, United Kingdom, ⁴Primary Health Care Center Cartagena Casco, Cartagena, Spain, ⁵Biomedical Research Institute of Murcia (IMIB), Murcia, Spain, ⁶Newburn Health Centre, Aberdeen, United Kingdom, ⁷Department of Cardiology, Erasmus Medical Centre, Rotterdam, The Netherlands, ⁸Peter Gorer Department of Immunobiology, Kings College, London, United Kingdom, ⁹Pulmonology Department, Hospital Virgen de las Nieves, Granada, Spain, ¹⁰Department of Pulmonology, University of Groningen, University Medical Center Groningen, Groningen, The Netherlands, ¹¹Observational and Pragmatic Research Institute (OPRI), Singapore, Singapore, ¹²Groningen Research Institute Asthma and COPD (GRIAC), University of Groningen, University Medical Center Groningen, Groningen, The Netherlands



<https://www.ipcrg.org/23036>

OP5.2 | The language COPD patients use to describe exacerbations: findings from an interview study

Ann Hutchinson¹, Richard Russell², Helena Cummings³, Omar Usmani⁴, Judith Cohen¹, Sarah MacFadyen⁵, Tamsin Morris⁶, Hana Mullerova⁷, Yang Xu⁶, Gary Hellens⁶, Kay Roy⁸, Michael Crooks¹

¹University of Hull, Hull, United Kingdom, ²Kings College London, London, United Kingdom, ³Holderness health, East Yorkshire, United Kingdom, ⁴Imperial College London, London, United Kingdom, ⁵Asthma and Lung UK, London, United Kingdom, ⁶AstraZeneca, London, United Kingdom, ⁷AstraZeneca, Cambridge, United Kingdom, ⁸University College London, London, United Kingdom



<https://www.ipcrg.org/23037>

OP5.3 | Hyperventilation syndrome in patients with prolonged dyspnea after a mild COVID-19 infection

Henning Stenberg¹, Ellen Tufvesson², Ida Dalene Skarping³

¹Center for Primary Health Care Research, Lund University, Malmö, Sweden, ²Department of Respiratory Medicine and Allergology, Lund University, Lund, Sweden, ³Department of Clinical Physiology and Nuclear Medicine, Lund University, Lund, Sweden

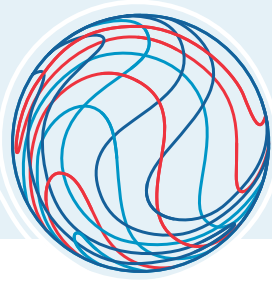


<https://www.ipcrg.org/23038>

OP5.4 | Investigating a structured diagnostic pathway for chronic breathlessness in primary care: a feasibility cluster Randomised Controlled Trial

Gillian Doe¹, Jill Clanchy², Simon Wathall³, Shaun Barber², Sarah Edwards⁴, Darren Jackson⁵, Natalie Armstrong⁶, Michael Steiner^{1,4}, Rachael Evans^{1,4}

¹Department of Respiratory Sciences, University of Leicester, Leicester, United Kingdom, ²Clinical Trials Unit, University of Leicester, Leicester, United Kingdom, ³Clinical Trials Unit, Keele University, Keele, United Kingdom, ⁴NIHR Biomedical Research Centre – Respiratory theme, University Hospitals of Leicester NHS Trust, Leicester, United Kingdom, ⁵Barwell & Hollycroft Medical Centres, Chair Hinckley & Bosworth Medical Alliance, Leicester, UK, ⁶Department of Population Health Sciences, University of Leicester, Leicester, United Kingdom



7th IPCRG Scientific Meeting

QR Code & URL

Paper

Oral Presentations Session 6: Digital health applications in primary care

 Tuesday 16th May  09:00 -10:15



<https://www.ipcrg.org/23039>

OP6.1 | Identifying long COVID using coded data and free text entries from primary care health records in Scotland

Luke Daines¹, Karen Jeffrey¹, Lana Woolford¹, Rishma Maini², Siddharth Basetti³, Ashleigh Batchelor⁴, David Weatherill⁴, Chris White⁴, Vicky Hammersley¹, Tristan Millington¹, Calum Macdonald¹, Jenni Quint⁵, Steven Kerr¹, Syed Ahmar Shah¹, Adeniyi Francis Fagbamigbe⁸, Colin Simpson⁹, Srinivasa Vital Katikireddi¹⁰, Chris Robertson¹¹, Lewis Ritchie¹², Aziz Sheikh¹

¹Usher Institute, University Of Edinburgh, Edinburgh, United Kingdom, ²Public Health Scotland, Glasgow and Edinburgh, UK, ³NHS Highland, Inverness, UK, ⁴Patient and Public Contributors, affiliated to Usher Institute, Edinburgh, UK, ⁵National Heart and Lung Institute, Imperial College London, London, UK, ⁶NHS Borders, Melrose, UK, ⁷NHS Dumfries & Galloway, Dumfries, UK, ⁸Institute of Applied Health Sciences, Aberdeen, UK, ⁹School of Health, Wellington Faculty of Health, Victoria University of Wellington, Wellington, UK, ¹⁰MRC/CSO Social & Public Health Sciences Unit, University of Glasgow, Glasgow, UK, ¹¹Department of Mathematics and Statistics, University of Strathclyde, Glasgow, UK, ¹²Academic Primary Care, University of Aberdeen, Aberdeen, UK



<https://www.ipcrg.org/23040>

OP6.2 | Asynchronous digital health interventions (aDHI) for reviewing asthma: a mixed-methods systematic review

Md Nazim Uzzaman^{1,3}, Vicky Hammersley¹, Kirstie McClatchey¹, Jessica Sheringham², Monsur Habib³, Hilary Pinnock¹

¹The University of Edinburgh, Edinburgh, United Kingdom, ²University College Hospital, London, London, United Kingdom, ³Bangladesh Primary Care Respiratory Society, Khulna, Bangladesh



<https://www.ipcrg.org/23041>

OP6.3 | Can AI-based decision support software help to use spirometry more consistently in primary care?

Maarten De Vos¹, Karolien Van Orshoven¹, **Julie Maes**¹, Paul Desbordes¹, Camille Vanhecke¹, Vincent Vanheule², Charlotte Quataert², Isabelle Fovel², Marko Topalovic¹

¹ArtiQ NV, Leuven, Belgium, ²Astrazeneca, Dilbeek, Belgium



<https://www.ipcrg.org/23042>

OP6.4 | Access to health care is a human right: a focus group study in COPD patients regarding eHealth accessibility

Esther Metting

University of Groningen, University Medical Center Groningen, Groningen, The Netherlands

QR Code & URL

Paper

Oral Presentations Session 7:
Infection, and health tools in primary care

📅 Tuesday 16th May ⌚ 11:00 -12:15



OP7.1 | Evaluating a mobile health tool to guide management of acute respiratory illnesses in young children in Uganda

Laura Ellington^{1,2}, **James Stout**¹, Irene Najjingo³, Joyce Nakatmba-Nabende³, Chodrine Mutebi³, Jane Edelson¹, Stephanie Farquahar¹, Margaret Rosenfeld^{1,2}, Rebecca Nantanda³

¹University of Washington, Seattle, United States, ²Seattle Children's Research Institute, Seattle, United States, ³Makerere University, Kampala, Uganda

<https://www.ipcrg.org/23043>



OP7.2 | Systematic review of the efficacy of ivy leaf (Hedera helix) in acute upper respiratory tract infections: an update

Elizabeth Sierocinski¹, Felix Holzinger², Jean-François Chenot¹

¹Department of General Practice, Institute for Community Medicine, Universitätsmedizin Greifswald, Greifswald, Germany, ²Department of General Practice, Charité – Universitätsmedizin Berlin, Berlin, Germany

<https://www.ipcrg.org/23044>

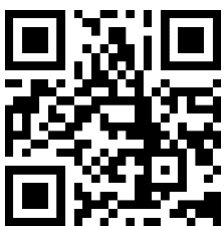


OP7.3 | Evaluating usability of the Reliever Reliance Test as a patient support tool in community pharmacy in England

Darush Attar-Zadeh, Christine Heading, Stephanie Bancroft

Pharmacists Consortium London North West, Ruislip, United Kingdom

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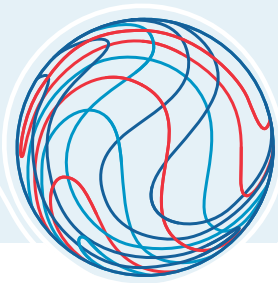


OP7.4 | Development of theoretically informed audit and feedback to improve asthma self-management in UK primary care

Kirstie McClatchey¹, Aimee Sheldon¹, Liz Steed², Jessica Sheringham³, David Price⁴, Stephanie Taylor², Hilary Pinnock¹

¹The University of Edinburgh, Edinburgh, United Kingdom, ²Queen Mary University of London, London, United Kingdom, ³University College London, London, United Kingdom, ⁴Optimum Patient Care, Cambridge, United Kingdom

<https://www.ipcrg.org/23046>



7th IPCRG Scientific Meeting

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Paper

Oral Presentations Session 8: Pulmonary Rehabilitation in primary care

📅 Tuesday 16th May ⌚ 11:00 -12:15



<https://www.ipcrg.org/23047>

OP8.1 | General practitioner's referencing habits to pulmonary rehabilitation

Liliana Silva^{1,2}, Tiago Maricoto^{3,4}, Paula Simão¹, Patrício Costa^{5,6,7}, Miguel Padilha^{2,8,9}

¹Matosinhos Local Health Unit, Maosinhos, Portugal, ²CINTESIS – Tech4edusim – Technologies for Education and Simulation in Healthcare, Porto, Portugal, ³Beira Ria Family Health Unit, Ílhavo, Portugal, ⁴Faculty of Health Sciences – University of Beira Interior, UBIAir – Clinical & Experimental Lung Centre, UBIMedical, Covilhã, Portugal, ⁵Life and Health Sciences Research Institute (ICVS), School of Medicine, University of Minho, , Portugal, ⁶ICVS'3, PT Government Associate Laboratory, Braga, Portugal, ⁷Faculty of Psychology and Education Sciences, Porto, Portugal, ⁸Porto Nursing School, Porto, Portugal, ⁹CINTESIS@RISE Porto Nursing School, Porto, Portugal

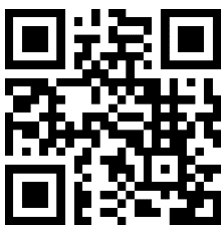


<https://www.ipcrg.org/23048>

OP8.2 | Community-based physical activity for COPD patients with varying needs in Brazil (BW2) by the Breathe Well group

Sonia Maria Martins¹, Rachel Jordan², Rachel Adams², Peymané Adab², Andy Dickens², Alexandra Enocson, Rafael Stelmach³, Eduardo Magalhães⁴, Vania Nascimento⁴

¹Gepraps-Brazil, Santo André, São Paulo, Brasil, Brazil, ²Institute of Applied Health Research - University of Birmingham, Birmingham, UK, ³Universidade de São Paulo, São Paulo, Brazil, ⁴Faculdade de Medicina do ABC, Santo André, Brazil



<https://www.ipcrg.org/23049>

OP8.3 | Pulmonary Rehabilitation program for Chronic Obstructive Pulmonary Disease – Findings from the EXpiRA+ Pilot Study

Pedro Fonte^{4,5}, Cláudia Bulhões^{1,2}, Marina Rodrigues¹, Liliana Mendonça¹, Ana Pereira¹, José Antunes³, Joana Pereira³

¹USF Vida+, ACeS Gerês/Cabreira, Braga, Portugal, ²Ciências dos Sistemas de Saúde, Escola de Medicina, Universidade do Minho, Braga, Portugal, ³UCC de Vila Verde, ACeS Gerês/Cabreira, Braga, Portugal, ⁴Life and Health Sciences Research Institute/School of Medicine, University of Minho, Braga, Portugal, ⁵Family Health Unit of Minho, Braga, Portugal

