

**Managing common infections NICE guideline
Committee meeting 18 NICE minutes**

Date: 11/09/18
Location: Manchester Art Gallery
Minutes: Final

Committee members present:	
Tessa Lewis – Chair (TL)	Present for items 1 - 6
Kieran Hand (KH)	Present for items 1 - 6
Alastair Hay (AH)	Present for items 1 - 6
Ian Hill-Smith (IH)	Present for items 1 - 6
John Morris (JM)	Present for items 1 - 6
Mitul Patel (MP)	Present for items 1 - 6
Carole Pitkeathley (CP)	Present for items 1 - 6
Avril Tucker (AT)	Present for items 1 - 6
Caroline Ward (CW)	Present for items 1 - 6

Co-opted committee members present:	
Karen O’Hara	Present for items 1 - 3
Nicholas Hopkinson	Present for items 1 - 6

In attendance (NICE):	
Albany Meikle (AM)	Present for items 1 - 6
Alex Curwen	Present for items 1 - 6
James Jagroo	Present for items 1 - 6
Johanna Hulme (JH)	Present for items 1 - 3
Ian Pye (IP)	Present for items 1 - 6
Liz Walton (LW)	Present for items 3 - 6
Louise Picton (LP)	Present for items 1 - 6
Rupert Franklin (RF)	Present for items 1 - 6
Ruth Garnett (RG)	Present for items 1 - 6
Sara Buckner (SB)	Present for items 1 - 4
Ying-Ying Wang	Present for items 3 - 4

Apologies

Cliodna McNulty (CM)
Susan Hopkins (SH)
Fiona Glenn (FG)
Greg Moran (GM)

1. Welcome, introductions and apologies

The chair welcomed the committee members and attendees, including two members of the COPD committee (NH and KO), to the 18th public health advisory committee D (PHAC D) meeting on managing common infections. The committee members and attendees introduced themselves.

The chair informed the committee that apologies had been received as noted above.

The chair outlined the objectives of the meeting, which included:

- Discussion of consultation comments and agree recommendation changes: COPD
- Discussion of consultation comments and agree recommendation changes: bronchiectasis
- Discussion of evidence and agreement of draft recommendations: pneumonia (hospital-acquired)

The minutes of the previous meeting were reviewed and agreed.

2. Declaration of interests

The chair asked the committee to declare any new or relevant interests

Name	Job title, organisation	Declarations of Interest
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Principal investigator: The British Lung Foundation: The UKLVR study. Bronchoscopic Lung volume reduction in clinical practice – development and evaluation of a national database

Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Respiratory lead for the NW London respiratory LCRN. Participate in the national Respiratory CRN helping to develop research priorities and review studies for portfolio inclusion. No expenses or payment.
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Elected to the Council of the British Thoracic Society in 2016 for a 3 year term.
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Appointed to The British Lung Foundation COPD Research Advisory Board in 2015, assessing grant applications and guiding research policy. As an Honorary Medical Advisor assist the charity with medical matters and act as a spokesperson, including on Newsnight, You and Yours, The Today Programme, Al Jazeera and BBC and Sky News.
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Advise the BLF's regular Health Information Review process.
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Member of the European Respiratory Society
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Thorax. Online Editor and an Associate Editor of this journal (IF 8.3) since September 2015. In addition to management of submitted papers write and commission editorials and other content. Payment received.
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Lewis A, Cave P, Hopkinson NS. Singing for Lung Health: evaluation of the British Lung Foundation Programme. BMJ Open Resp Res IN PRESS 2017

Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Barker R, Lavery AA, Hopkinson NS. Adjuncts for sputum clearance in COPD – clinical consensus vs actual use. <i>BMJ Open Resp Res</i> IN PRESS 2017
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Buttery S, Lewis A, Oey I, Hargrave J, Waller D, Steiner M, Shah P, Kemp S, Jordan S, Hopkinson NS. Patient experience of lung volume reduction procedures for emphysema – a qualitative service improvement project. <i>ERJ Open Res</i> IN PRESS
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Kon S, Jolley CJ, Shrikrishna D, Montgomery H, Skipworth JRA, Puthuchery Z, Moxham J, Polkey MI, Man W D-C, Hopkinson NS. Angiotensin converting enzyme activity and response to pulmonary rehabilitation in patients with chronic obstructive pulmonary disease. <i>BMJ Open Resp</i> 2017 (4) e000165. doi: 10.1136/bmjresp-2016-000165
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: *Zoumot Z, Davey C, Jordan S, McNulty WM, Carr DH, Hind MD, Polkey MIP, Shah PL, Hopkinson NS. Endobronchial valves for patients with heterogeneous emphysema and intact interlobar fissures – open label follow up from the BeLieVeR-HiFi study. <i>Thorax</i> 2017 (72) 277-279
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: *Curtis KJ, Meyrick VM, Mehta B, Haji GS, Li K, Montgomery H, Man W D-C, Polkey MI, Hopkinson NS. Angiotensin-Converting Enzyme Inhibition as an Adjunct to Pulmonary Rehabilitation in COPD. <i>AJRCCM</i> 2016 (194) 1349–1357.
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: *Garner J, Kemp SV, Toma TP, Hansell DM, Polkey MI, Shah PL, Hopkinson NS. Survival after endobronchial valve placement for emphysema: a 10 year follow up study. <i>AJRCCM</i> 2016 (194) 519-521
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Chapters: Chronic obstructive pulmonary disease – Oxford Textbook of Medicine OUP 6th Edition 2017
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Hopkinson NS. Caring about what happens to people with COPD. <i>Thorax</i> 2017 (72) 683-685

Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Curtis K, Hopkinson NS Exercise training in interstitial lung disease – lumping or splitting? Thorax 2017 (72) 589-590
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Hopkinson NS, Hart N, Jenkins G, Kaminski N, Rosenfeld M, Smyth A, Wilkinson A. Climate change and lung health – the challenge for a new President. Thorax 2017 (72) 295-296
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Hopkinson NS, Baxter N on behalf of the London Respiratory Network. Breathing SPACE – a practical approach to the breathless patient. NPJ Prim Care Respir Med. 2017 Dec;27(1):5. doi: 10.1038/s41533-016-0006-6. Epub 2017 Jan 30.
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Blog posts: http://blogs.bmj.com/bmj/
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Blog post: Hopkinson NS. What this election means for your lungs. The I News online 08/06/2017 https://inews.co.uk/opinion/election-means-lungs/
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Buttery S, Mohan D, Fisk M, Hopkinson NS, Tal-Singer R, Wilkinson IB, Polkey MI. Longitudinal follow-up of quadriceps strength and function in Chronic Obstructive Pulmonary Disease cohort after 3 years. Eur Resp J IN PRESS 2017.
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Spina G, Spruit MA, Alison J, Benzo RP, Calverley PMAC, Clarenbach CF, Costello RW, Donaire-Gonzalez D, Dürr S, Garcia-Aymerich J, van Gestel AJR, Gramm M, Hernandez NA, Hill K, Hopkinson NS, Jarreta D, Kohler M, Kirsten A, Leuppi JD, Magnussen H, Maltais F, Man W D-C, McKeough ZJ, Mesquita R, Miedinger D, Pitta F, Singh SJ, Smeenk FWJM, Tal-Singer R, Vagaggini B, Waschki B, Watz H, Wouters EFM, Zogg S, den Brinker AC. Analysis of nocturnal actigraphic sleep measures in patients with COPD and their association with daytime physical activity. Thorax 2017 (72) 694-701

Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Palamidis AF, Kemp SV, Shen M, McNulty W, Zoumot Z, Hopkinson NS, Yang G-Z, Shah PL. Putative mechanisms of action of endobronchial coils. <i>Am J Resp Crit Care Med</i> 2017 (196) 109-115
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Mesquita R, Spina G, Pitta F, Donaire-Gonzalez D, Deering BM, Patel MS, Mitchell KE, Alison J, van Gestel JRA, Zogg S, Gagnon P, Abascal-Bolado B, Vagaggini B, Garcia-Aymerich J, Jenkins SC, Romme EAPM, Kon SC, Albert PS, Waschki B, Shrikrishna D, Singh SJ, Hopkinson NS, Miedinger D, Benzo RP, Maltais F, Paggiaro P, McKeough ZJ, Polkey MI, Hill K, Man W, D-C, Clarenbach CF, Hernandez NA, Savi D, Wootton S, Furlanetto KC, Ng LWC, Vaes AW, Jenkins C, Eastwood PR, Jarreta D, Kirsten A, Brooks D, Hillman DR, Sant'Anna T, Meijer K, Dürr S, Rutten EPA, Kohler M, Probst VS, Tal-Singer R, Garcia Gil E, den Brinker B, Leuppi JD, Calverley PMA, Smeenk FWJM, Costello RW, Gramm M, Goldstein R, Groenen M, Magnussen H, Wouters EFM, ZuWallack RL, Amft O, Watz H, Spruit MA. Physical activity patterns and clusters in 1001 patients with COPD. <i>Chronic Resp Dis</i> 2017 DOI: 10.1177/1479972316687207
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Boutou AK, Franks R, Mohan D, Mantziari L, Wong T, Hopkinson NS, Polkey MI. Exercise induced changes in QT interval are smaller in COPD patients and have no impact on mortality <i>Eur Respir J.</i> 2017 (49) doi: 1602394
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Mohan D, Lewis A, Patel MS, Curtis KJ, Lee JY, Hopkinson NS, Wilkinson IB, Kemp PR, Polkey MI. Using laser capture microdissection to study fiber specific signalling in COPD. <i>Muscle and Nerve</i> 2017 (55) 902-912
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Demeyer H, Louvaris Z, Frei A, Rabinovich RA, de Jong C, Gimeno-Santos E, Loeckx M, Buttery SC, Rubio N, Van der Molen T, Hopkinson NS, Vogiatzis I, Puhan M, Garcia-Aymerich J, Polkey M, Troosters T, on behalf of the Mr Papp PROactive study group and the PROactive consortium Physical activity is increased by a 3 month semi-automated telecoaching program in patients with COPD. <i>Thorax</i> 2017 (72) 425-423

Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Fisk M, Cheriyan JC, Mohan D, McEniery CM, Forman J, Cockcroft JR, Rudd JHF, Tal-Singer R, Hopkinson NS, Polkey MI, Wilkinson IB. Increased Vascular Inflammation and Aortic Stiffness may be Mechanisms of Increased Vascular Risk in COPD
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Marie Fisk, Joseph Cheriyan, FRCP; Divya Mohan, PhD; Julia R Forman, PhD; Kaisa M Maki-Petaja, PhD; Jonathan Fuld, PhD; Carmel M McEniery, PhD; James F Rudd, PhD; Hopkinson NS, John R Cockcroft, FRCP; David A Lomas, PhD; Michael I Polkey, PhD; Ruth Tal-Singer, PhD; Ian B Wilkinson, DM. The p38 Mitogen Activated Protein Kinase Inhibitor Losmapimod in COPD Patients with Systemic Inflammation, Stratified by Fibrinogen: a Randomised Double-Blind Placebo-Controlled Trial Submitted PLoS Medicine April 2017
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Editorial paper: Gilworth G, Lewin S, Wright A J, Taylor SJC, Hopkinson NS, Hogg L, Tufnell R, Singh S, Hart N, White P Recruitment, selection, and training of COPD patients as lay health workers supporting pulmonary rehabilitation a feasibility study.
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Conference: Breathing SPACE- a practical approach to the breathless patient. 5th national conference: Psychiatry and Physical Health (London 07/12/2017 (no funding)
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Conference: Lung volume reduction Royal College of Physicians Glasgow 17/11/2017 Train travel and overnight hotel paid for by the Royal College of Physicians (RCP)
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Conference abstract: Hopkinson NS, Slebos D-J, Zoumot Z, Davey C, Shah P, Klooster K. Endobronchial Valves For Emphysema: An Individual Patient Level Reanalysis Of Randomised Controlled
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Conference abstract: Hopkinson NS, Kemp SV, Toma TP, Hansell DM, Shah PL, Polkey MI. Survival benefit from successful bronchoscopic lung volume reduction with

		endobronchial valves - A 10 year follow up study.
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Chair the BTS COPD specialist advisory group on COPD. Member of the Council of the society and have served on its Nominations and Science and Research committees.
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Member of Steering committee of the Dept of Health's Sustainable Respiratory Care advisory group.
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Chair the Royal Brompton Hospital Trust (RBHT) New Drugs and Clinical Guidelines Committee and serve on the Medicines Management Committee.
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Respiratory Specialty Group lead for the London (North West) Local Clinical Research Network (LCRN).
Nicholas Hopkinson	Reader in Respiratory Medicine and Honorary Consultant Physician, Royal Brompton Hospital	Radio Interview as part on 'Inside Health', a health programme on BBC Radio 4. October 2017
Karen O'Hara	Patient/carer	Presentation at the Romanian Society of Pneumology conference in Oradea "Effective Patient Engagement/Building a Patient Organisation" Expenses only, October 2017
Karen O'Hara	Patient/carer	Discussion held with CSL Behring regarding future clinical trial and patient/patient group potential for involvement in design for Patient recorded outcomes (PRO's). December 1 st 2017 No monies or expenses received

Karen O'Hara	Patient/carer	Teleconference with CSL Behring 6 th March to discuss the ASCEND Trial of augmentation therapy. No financial payment or expenses received.
Karen O'Hara	Patient/carer	Talk given about alpha-1 antitrypsin deficiency to the Wyre Forest Wheezers group in Kidderminster on 5 th April.
Karen O'Hara	Patient/carer	EU Parliamentary Day to raise awareness of alpha-1 antitrypsin deficiency. Spoke about the Alpha-1 UK Support Group and our achievements and key asks. Overnight accommodation paid for by Alpha-1 Global. No other expenses or payment received.
Karen O'Hara	Patient/carer	Alpha-1 Roundtable organised by CSL Behring. Moderated a discussion on the role of ePAGs within the ERN-Lung. Flight and hotel accommodation provided. No payment received.
Kieran Hand	Consultant Pharmacist – Anti-infectives University Hospital Southampton NHS Foundation Trust	Telephone consultancy with Menarini pharmaceuticals (antibiotic in development: delafloxacin) Fee paid to NHS employer.
Kieran Hand	Consultant Pharmacist – Anti-infectives University Hospital Southampton NHS Foundation Trust	Sponsored to attend European Congress on Clinical Microbiology and Infectious Diseases (ECCMID) conference in Madrid, Spain. Registration, flight and hotel costs paid by Eumedica Pharmaceuticals (manufacturers of antibiotic temocillin).
Kieran Hand	Consultant Pharmacist – Anti-infectives University Hospital Southampton NHS Foundation Trust	Research grant of £110,000 (unrestricted) from Merck Sharp & Dohme pharmaceuticals to evaluate the MicroGuide smartphone application.
Albany Meikle	Technical Analyst NICE	Father employed by and holds shares in pharmaceutical company F. Hoffmann-La Roche.

The chair and a senior member of the NICE Development team (NDT) noted that the interests declared did not prevent the attendees from participating in the meeting at the chair's discretion. TL confirmed an individual may be asked to leave the meeting if matters relevant to the declared interest are discussed or could be used in forming a recommendation.

There were no other additional interests declared.

3. Summary and next steps

JH gave an update on the current topics and process.

4. Discussion of consultation comments and agreement of recommendations: chronic obstructive pulmonary disease (acute exacerbation)

RG made notes on versions of the guideline and evidence review (where appropriate).

TL updated the committee on hers and KH's attendance of the COPD guideline update committee meeting.

TL invited KO to outline her condition and how it affected her.

LP gave a presentation summarising the consultation comments and further discussion required for the COPD antimicrobial prescribing guideline.

11.30 KO left the meeting.

Following discussion the committee agreed draft recommendations.

5. Discussion of consultation comments and agreement of recommendations for acute exacerbation of bronchiectasis (non-cystic fibrosis)

LP made notes on versions of the guideline and evidence review (where appropriate).

RG gave a presentation summarising the consultation comments and further discussion required for the bronchiectasis antimicrobial prescribing guideline

12.40 JH left the meeting.

13.30 SB left the meeting

15.15 YY left the meeting.

Following discussion the committee agreed amendments to the draft recommendations.

6. Any other business

No additional items were raised. The meeting closed at 16.00

Date of next meeting: Friday 12 October 2018, 09.30 – 16.00

Venue of next meeting: Manchester