Outpatient parenteral antimicrobial treatment

What’s in a name?

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Outpatient parenteral antimicrobial therapy (OPAT)

- OPAT is a method for delivering intravenous antimicrobials in the community or outpatient setting, as an alternative to inpatient care.
- OPAT is useful for patients who require parenteral therapy for moderate to severe infections but are otherwise well enough to continue therapy without an overnight stay in hospital.
- OPAT has been used in many countries for over 30 years and there’s evidence on clinical outcome.

Chapman A. BMJ 2013;346:f1585
Benefits of OPAT

- reduced length of stay in hospital resulting significant cost savings for the society
- reduction in risk of healthcare-associated infection
- improved patient satisfaction.

OPAT experience

OPAT was first described in 1974 in North America and is now an standard of care in many countries including USA, Canada, Australia, New Zealand, Singapore, Italy, the Netherlands.

Seaton R. European Journal of Internal Medicine 2013;24:617–623
Practice Guidelines for Outpatient Parenteral Antimicrobial Therapy

Alan D. Tice,1 Susan J. Rehm,2 Joseph R. Dalovisio,3 John S. Bradley,4 Lawrence P. Martinelli,5 Donald R. Graham,6 R. Brooks Gainer,7 Mark J. Kunkel,8 Robert W. Yancey,9 and David N. Williams10

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Clinical Infectious Diseases 2004; 38:1651–72
OPAT experience abroad

the Department of Health (England), within its antimicrobial stewardship guidance document, has identified OPAT as one of the 5 key prescribing decisions following prescription of an antimicrobial in hospital

Seaton R. European Journal of Internal Medicine 2013;24:617–623
Antimicrobial stewardship: Start smart - then focus. From: Public Health England; First published: 17 November 2011; Last updated: 25 March 2015
Good practice recommendations for outpatient parenteral antimicrobial therapy (OPAT) in adults in the UK: a consensus statement

Ann L. N. Chapman¹, R. Andrew Seaton², Mike A. Cooper³, Sara Hedderwick⁴, Vicky Goodall¹, Corienne Reed⁵, Frances Sanderson⁶ and Dilip Nathwani⁷ on behalf of the BSAC/BIA OPAT Project Good Practice Recommendations Working Group†
Good practice recommendations for paediatric outpatient parenteral antibiotic therapy (p-OPAT) in the UK: a consensus statement

Sanjay Patel¹*, Ed Abrahamson², Stephen Goldring³, Helen Green¹, Hayley Wickens⁴,⁵ and Matt Laundy⁶

¹Department of Paediatric Infectious Diseases & Immunology, Southampton Children’s Hospital, University Hospital Southampton NHS Foundation Trust, Southampton, UK; ²Paediatric Emergency Department, Chelsea and Westminster Hospital NHS Foundation Trust, London, UK; ³Department of Paediatrics, The Hillingdon Hospital NHS Foundation Trust, London, UK; ⁴Pharmacy Department, University Hospital Southampton NHS Foundation Trust, Southampton, UK; ⁵Department of Medicine, Imperial College, London, UK; ⁶Department of Medical Microbiology, St George’s Healthcare NHS Trust, London, UK
OPAT in Belgium?

A survey of current practice and potential for outpatient parenteral antimicrobial therapy (OPAT) in Belgian hospitals in 2014. (Submitted in International Journal of Clinical Pharmacy by T. Ravelingien, A. Vantrappen et al)

response rate of 71%

Of the hospitals who already discharge patients with OPAT, 75% (40/53) indicated intention to expand their OPAT programme
Maggie De Block roept op voor pilootprojecten thuishospitalisatie

BRUSSEL, 26/05/2016.- Maggie De Block, minister van Sociale zaken en Volksgezondheid, lanceert vandaag een oproep voor pilootprojecten thuishospitalisatie. Het is de tweede oproep voor nihilontmoetingen in het kader van
OPAT in Belgium .. towards a Belgian national OPAT guideline

30/03/2017 BVIKM symposium

Ideal forum to share experience in order to develop Belgian national OPAT guidelines in collaboration with all stakeholders.