

Microbiology & Antimicrobial Stewardship



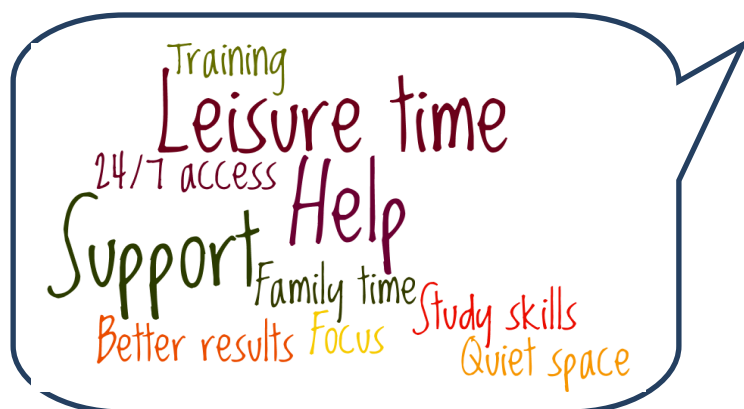
The Trust Libraries

**THE TRUST LIBRARIES
MAIDSTONE ACADEMIC CENTRE
TUNBRIDGE WELLS EDUCATION & TRAINING CENTRE**

So much more than just **books** and **journals**,
your libraries also have
24/7 internet access, study areas, leisure reading,
DVDs and the daily newspaper!

We also have a **Book Club** at Tunbridge Wells Hospital
and **Film Society** at Maidstone Hospital.

Are you studying or simply in need of a quiet space?



**Libraries
help!**



Use your **workplace library**
We are accessible 24/7
Study in peace away from
workplace pressures: **plenty of IT
and desk space here!**

We can **train you** to find the
best information and help with
study skills
(see back page for contact details).

YOUR MTW LIBRARIES
search 'Library' on the Trust intranet for more information.

A selection of popular titles in your specialty area.

For more resources both electronic & in print go to
www.southeastlibrarysearch.nhs.uk

An OpenAthens account will give you access to the e-resources
that are subscribed to both nationally & locally.

Register from an NHS network PC at www.evidence.nhs.uk
select 'Journals and Databases' then 'Register for Athens'.

Please contact us if you have any problems setting up your account or
accessing resources with your login

Print Titles

The drugs don't work, a global threat by Prof. Dame Davies SC

Challenging concepts in infectious diseases and clinical microbiology:
cases with expert commentary
by Arnold A

Medical microbiology and infection at a glance 3rd ed
by Gillespie S H

Burton's microbiology for the health sciences 9th ed
by Burton G R W

Essential microbiology
by Hogg S

Medical Microbiology: a guide to microbial infection 17th ed
by Greenwood D

Mims medical Microbiology 4th ed
by Mims C

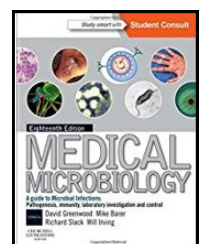
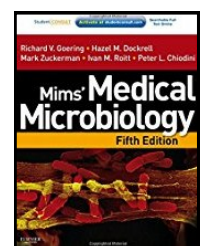
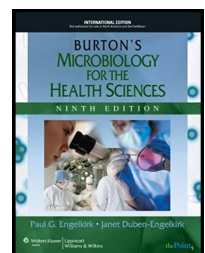
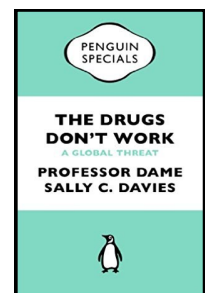
Ebooks

Medical microbiology 8th ed by Murray P R

Mims' medical microbiology 5th ed by Mims C

Medical microbiology: a guide to microbial infection 18th ed by Greenwood D

Rapid review: microbiology and immunology 3rd ed by Rosenthal K S



Access these and other electronic resources via our catalogue or NICE Evidence using an NHS OpenAthens account; see previous page for details.

E-journals: *Check catalogue entry for individual title holdings.*

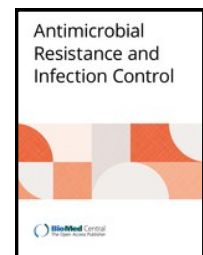
Drug Resistance Updates *



Antimicrobial Resistance & Infection Control

Cellular Microbiology

Journal of Clinical Microbiology



Journal of Medical Microbiology

Clinical Microbiology Newsletter *

Comparative Immunology, Microbiology and Infectious Diseases *

Current Opinion in Microbiology *



Diagnostic Microbiology and Infectious Disease *

Trends in Microbiology *

Journal of Microbiology, Immunology and Infection *




International Journal of Medical Microbiology *

New Issue alerts can be set up on journals marked "" Ask library staff for details*

MTW Antimicrobial Guide

<http://www.formularywkccgmtw.co.uk/>

How to add the guide as an icon on iPhones & iPads:

1. Open Safari browser, type www.formularywkccgmtw.co.uk and select this site.
2.  Press this key at the bottom of the screen and press the 'add to home screen' button.
3. The icon will now appear as West Kent Interface Formulary.
4. Give the shortcut the name MTW Antimicrobial Guide and press 'add'.

MTW Drug Bug newsletter

<http://mtwintranet/directory/departments/pharmacy>

Criteria	Percentage
Allergy box completed	100%
Prescribed in line with guidelines	98%
Indication documented in note	98%
Indication antimicrobial documented on chart	75%
Duration documented	76%
Restricted antimicrobial approved by Micro	97%
Patients prescribed Probiotics	76%

formulary watch

Two antibiotics have been approved for treatment of urinary tract infections (UTIs) in adults

Drug name	Fosfomycin (Monuril® 3g sachets)	Pivmecillinam (Seclidid® tablets)
Indication	Uncomplicated lower urinary tract infections	lower Urinary Tract Infection in adults (no fever or flank pain)
Dosage	Females - 3g as single oral dose Males - 3g as single oral dose followed by a second 3g dose 3 days later	Females - 400mg stat then 200mg TDS for 3 days Males - 400mg stat then 200mg TDS for 7 days
Administration	Tablet should be taken on an empty stomach (about 2-3 hours before or 2-3 hours after a meal), preferably before bedtime and after emptying the bladder	Tablets should be taken with at least a half glass of fluid whilst sitting or standing and preferably with or immediately after a meal
Guidance recommendation	<ul style="list-style-type: none"> Not for first line empiric use If increased resistance risk 	<ul style="list-style-type: none"> Use as alternative agent if 1st line options unsuitable If urine culture shows that the isolate is sensitive to pivmecillinam
Contraindication	Patient with severe renal insufficiency (CrCl < 10ml/min)	Allergy to penicillin's and/or cephalosporin

World Antibiotic Awareness Week (13-19 November 2017) & European Antibiotic Awareness Day (18th of November 2017)

World Antibiotic Awareness Week aims to increase awareness of global antibiotic resistance and to encourage best practices among the general public, health workers and policy makers to avoid the further emergence and spread of antibiotic resistance. This year's theme is 'Seek advice from a qualified healthcare professional before taking antibiotics.' Antibiotics are a precious resource, so it is important to get the right advice before taking them. The European Antibiotic Awareness Day (EAAD) is an annual European public health initiative to raise awareness about the threat to public health of antibiotic resistance and the importance of prudent antibiotic use

Dear Aunty-Biotic Question

I have a patient on day three of IV Aciclovir (10mg/kg every 8 hours) for treatment of viral encephalitis. The patient is getting better and I want to send him home on oral preparation. Can I switch him to oral aciclovir?

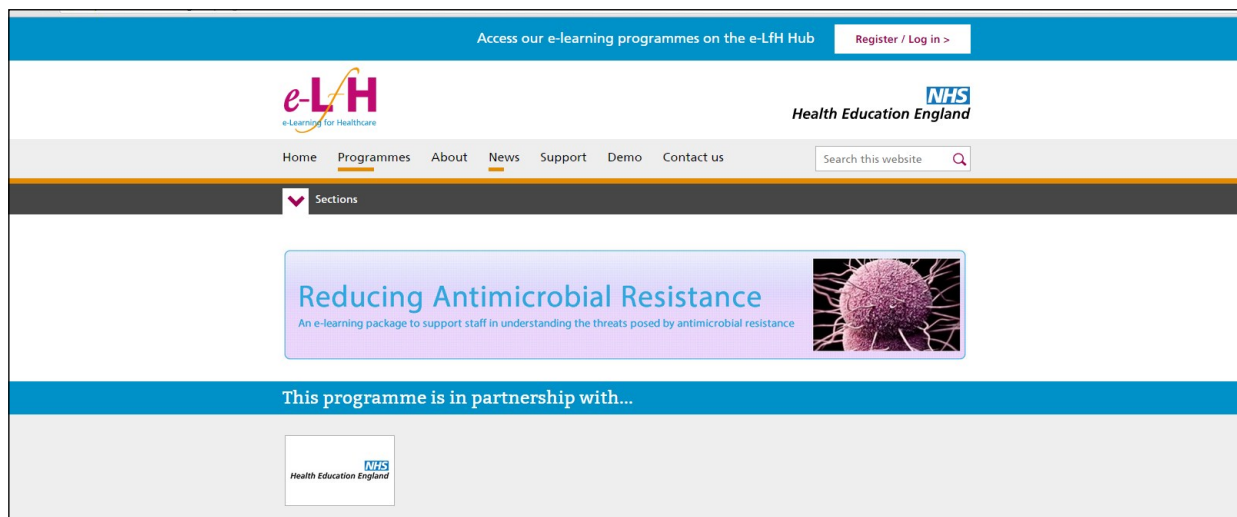
Answer

No, because the oral bioavailability of aciclovir is very low (about 12-20%) and its poorly absorbed from the gastrointestinal tract. Oral valaciclovir on the other hand is a prodrug of aciclovir converted to aciclovir through first-pass metabolism upon ingestion. This conversion is extensive, and plasma concentrations can range up to 3-5 times that of corresponding oral aciclovir doses (about 54%). Orally administered valaciclovir is very well tolerated, with few reported adverse events, even at higher doses. It can produce plasma aciclovir exposures similar to those observed after intravenous aciclovir administration in immunocompetent patients. I will suggest switching to oral valaciclovir 1000 mg 3 times daily to complete the course of treatment.

Prepared by Emmanuel Idowu (Antibiotics Pharmacist). Please send any comments or suggestions to emmanuelidowu@nhs.net

NHS HEE 'Reducing Antimicrobial Resistance' e-learning package

<https://www.e-lfh.org.uk/programmes/antimicrobial-resistance/>



The programme includes the e-learning session entitled **'Reducing Antimicrobial Resistance: An Introduction'**, is aimed at all health and social care staff, and contains a myriad of resources to support awareness and education of clinical staff on antimicrobial resistance in different care settings.

The aims of these resources are to help health and social care staff:

Discuss why there is such a concern about misuse of antibiotics and antimicrobial resistance

List the key risks for development of antimicrobial resistance

Identify their role in tackling antimicrobial resistance

Antibiotic (antimicrobial) resistance poses a major threat to everyday life and modern day medicine where lives could be lost as a result of antibiotics not working as they should. All health and social care staff, as well as the public, have a very important role in preserving the power of antibiotics and in controlling and preventing the spread of infections.

Public Health England's Antibiotic Awareness Toolkit

<https://www.gov.uk/government/publications/european-antibiotic-awareness-day-resources-toolkit-for-healthcare-professionals-in-england>

Antibiotic Guardian Pledge

<http://antibioticguardian.com/>



CHOOSE YOUR PLEDGE RESOURCES ORGANISATIONS PUBLIC CAMPAIGN PATIENT STORIES MEETINGS & EVENTS AWARDS NEWS LANGUAGES COUNTRIES

CURRENT ORGANISATION PLEDGES: 36

 **BECOME AN ANTIBIOTIC GUARDIAN**
Keep Antibiotics Working

REGISTER YOUR ORGANISATION'S PLANNED ACTIVITIES FOR WORLD ANTIBIOTIC AWARENESS WEEK AND EUROPEAN ANTIBIOTIC AWARENESS DAY

'e-bug' game for children of all ages

Recommended by the National Institute for Health & Care Excellence

<http://www.e-bug.eu/>



100 EN

 e-Bug

Fun games and teaching resources about microbes and antibiotics

Teachers	Students
Junior	Junior
Senior	Senior
Young Adult	Young Adult

Teacher Home Partners

Educator Training Community Resources Peer Education

e-Bug has been recommended by NICE in new guidance [READ MORE](#)

WHO Antibiotic resistance fact sheet

<http://www.who.int/mediacentre/factsheets/antibiotic-resistance/en/>

Loads of up-to-date information and useful links



'Superbugs' mobile game for iPhones & iPads

<https://longitudprize.org/superbugs>

Superbugs: The mobile game

The screenshot shows the game's main interface with a central petri dish containing colorful bacteria. Text overlays include 'Superbugs trailer', '7 / 2024', 'READY', 'ANTIBIOTIC', and 'new antibiotic DISCOVERED'. A skull icon is visible in the bottom left corner.

DOWNLOAD

Download on the **App Store**

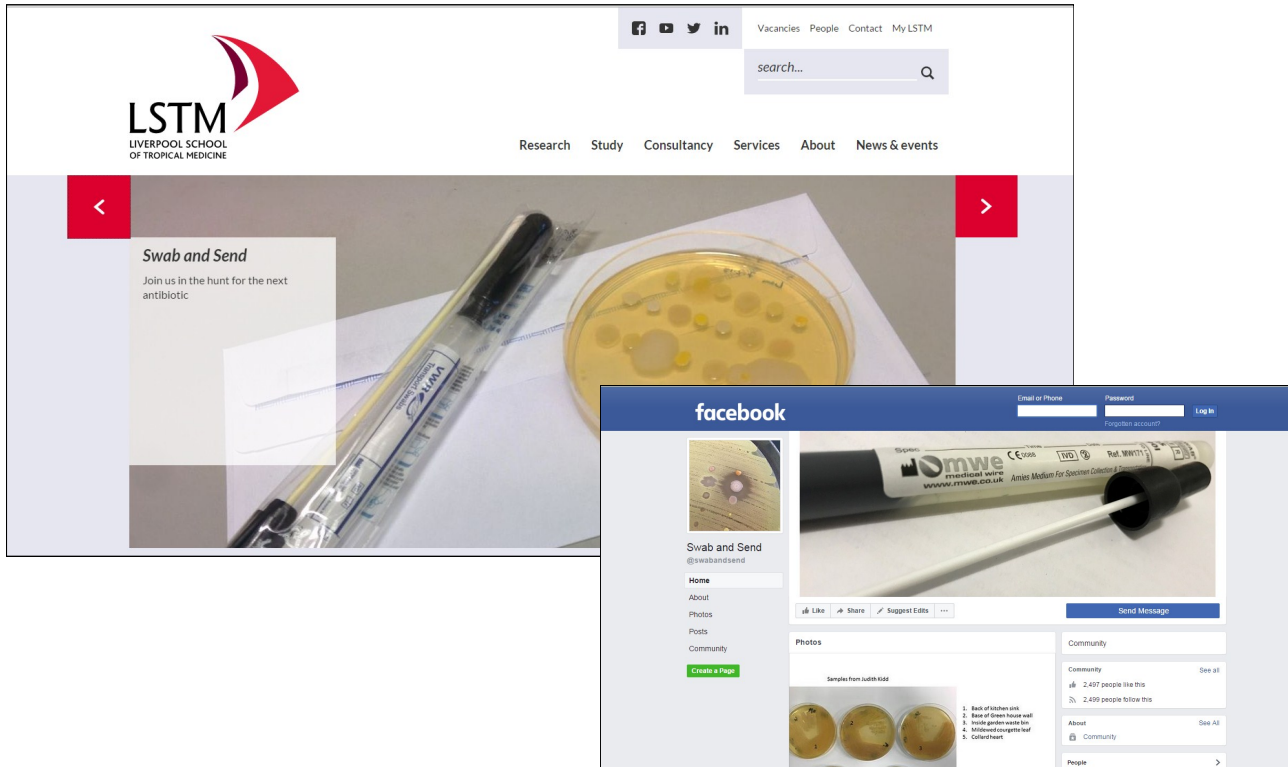
GET IT ON **Google Play**

Destroy deadly bacteria and keep humanity's precious antibiotics working for as long as you can in this free, fast-paced, and addictive action game.

The story of this casual, real-time puzzle game comes straight from today's headlines: The rise of superbugs, resistant bacteria which can't be killed by the drugs we rely on to fight infection.

Liverpool School of Tropical Medicine 'Swab & Send' project

<https://www.facebook.com/swabandsend/>



MTW Trust Libraries 'Swab & Send' samples

Follow us on Twitter for Swab & Send updates: search for 'mtwnhslibrary'



Swab and Send added 2 new photos.

31 October at 13:27 · 🌐

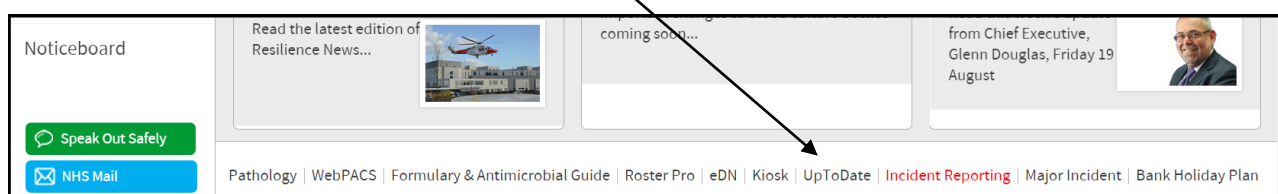
We have received some very cool samples from the Maidstone and Tunbridge Wells NHS Trust Library Team. massive thank you for taking part, it would be wonderful if we found something from this varied array of microbes from your library.

2 ways to access UpToDate

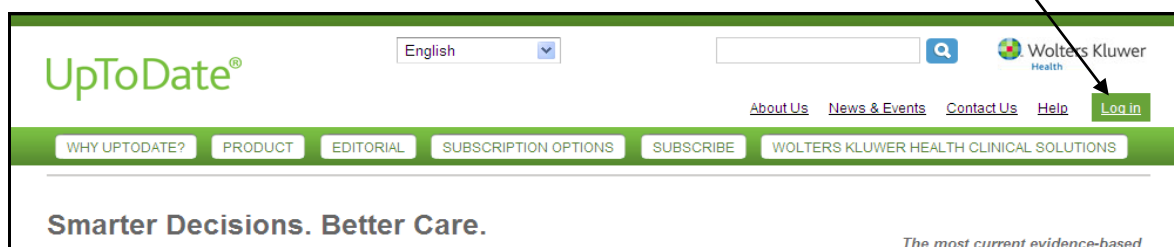
UpToDate is a popular point of care clinical reference tool which gives you access to evidence-based, peer-reviewed information to help with patient care. MTW staff are using **UpToDate** to help them to answer clinical questions, on average around 1000 times a month.

****THERE'S LOTS OF ANTIMICROBIAL INFORMATION ****

On-site access: You can access **UpToDate** simply by going to the MTW Trust intranet home page:



Off-site access: Go to www.uptodate.com and log in with your UpToDate Anywhere account from ANYWHERE:

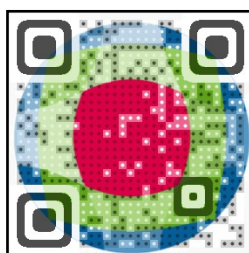


Register for UpToDate[®] Anywhere
Free UpToDate Mobile App for your iOS[®], Android[™] or Windows 8 device

Now UpToDate clinical decision support is as close as your smartphone, tablet, or computer. UpToDate Anywhere gives you evidence-based guidance when and where you need it.

Registration is easy:

- Access UpToDate **from within** the Trust network by clicking on the UpToDate link on the bottom right of the Trust intranet page.
- Click on **Log in/Register** in the top navigation bar of the UpToDate log in page.
- Create a unique user name and password on the UpToDate Anywhere registration page.
- You are now registered and will receive a confirmation email about installing the UpToDate Mobile App.



British National Formulary & British National Formulary for Children (BNF & BNFC) **MOBILE APP**

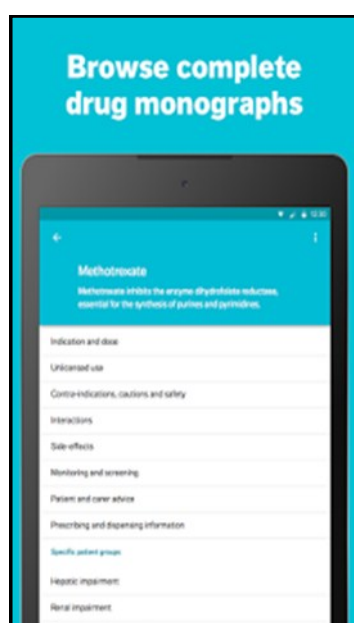
Download the **NEW FREE** combined app
to Android smartphones via the Google Play Store at:
https://play.google.com/store/apps/details?id=com.pharmpress.bnf&hl=en_GB

For iPhone users, the app is available to download via the Apple App Store at:
<https://itunes.apple.com/gb/app/bnf-publications/id1045514038?mt=8>

The app combines both the BNF and BNF for Children into one app

OpenAthens account is no longer required to access the BNF app

If you have any feedback on this app, please let the Trust Library Service know;
you can email us on mtw-tr.library@nhs.net



Training

We provide free training in the libraries and in the workplace; do you need help with literature searching, critical appraisal or study skills? Contact Alison Millis :01892 635994/ 07500814120 or email her on alison.millis@nhs.net



Stock suggestions

Please let us know if there any titles that you would like us to consider purchasing, either printed or electronic.

Contact us by telephone or email.

Contact details below.

We look forward to hearing from you.

Library Bulletins: Resources by Specialty

All Bulletins produced so far are available at the following link
<http://www.mtw.nhs.uk/education/library-knowledge-services/databases-and-resources/>

Any feedback welcomed. Contact details below.

Useful information

Maidstone Academic Centre
01622 224647

Opening hours
Mon-Fri 9.00am-5.00pm

Education & Training Centre
Tunbridge Wells
01892 635884/635489

Mon-Fri 8.30am-5.00pm

24/7 access available at both sites

Web: www.mtw.nhs.uk/library

Blog: mtwlibrary.blogspot.com

Email: mtw-tr.library@nhs.net

Online catalogue: www.southeastlibrarysearch.nhs.uk

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