

Fighting Antibiotic Resistance in Melbourne Hospitals

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<http://www.medreach.com.au/>

40 Years of Antibiotic Guidelines Anniversary Seminar, 13 November, 2018



It started at the Royal Melbourne Hospital



Hospital acquired infection with antibiotic-resistant microorganisms



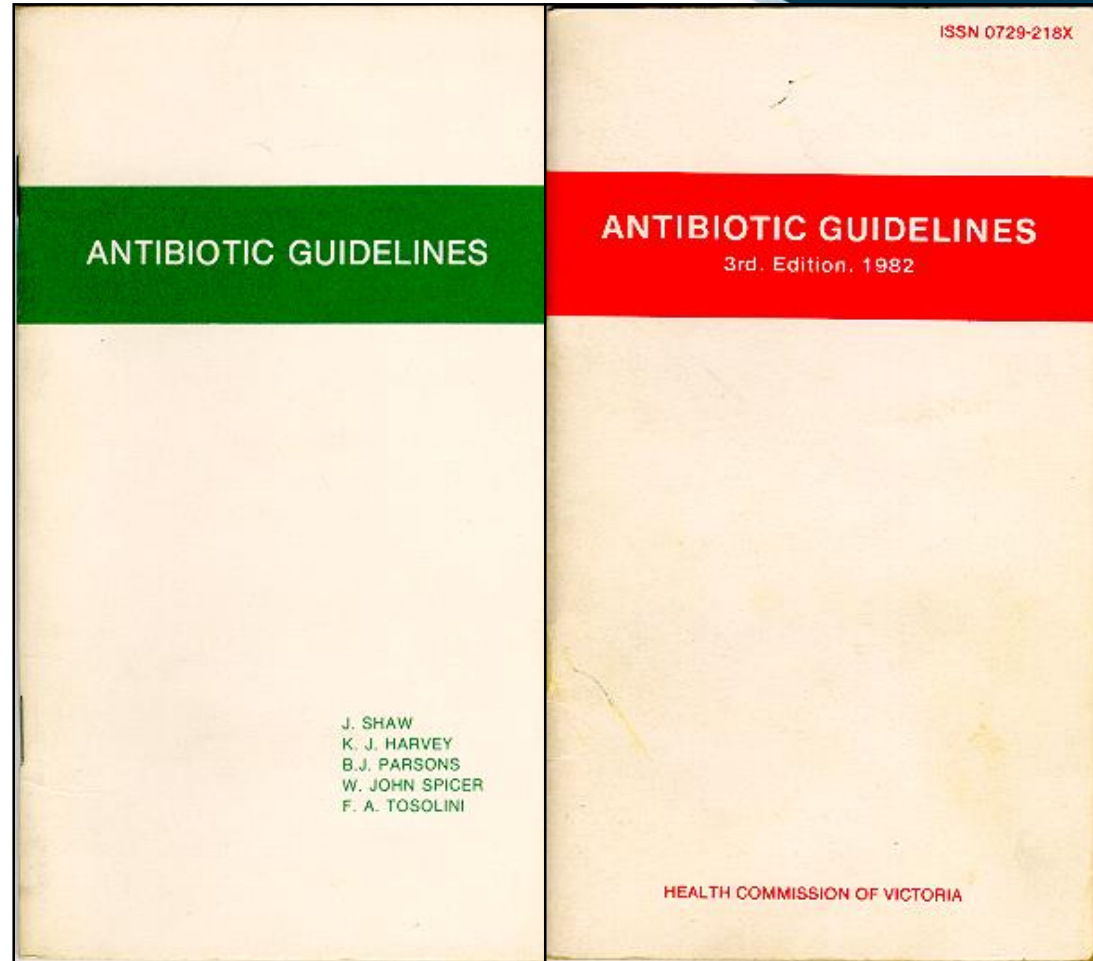
Publish



Dr Robin Pavillard

- Pavillard R, Harvey K, Douglas D, Hewstone A, Andrew J, Collopy B, Asche V, Carson P, Davidson A, Gilbert G, Spicer J, Tosolini F. *Epidemic of hospital-acquired infection due to methicillin-resistant Staphylococcus aureus in major Victorian hospitals*. Med J Aust. 1982 May 29; 1:451-4.
- Harvey K, Pavillard R. *Methicillin resistance in Staphylococcus aureus with particular reference to Victorian strains*. Med J Aust 1982 May 29; 1:465-7.

Antibiotic guidelines



Educational campaigns



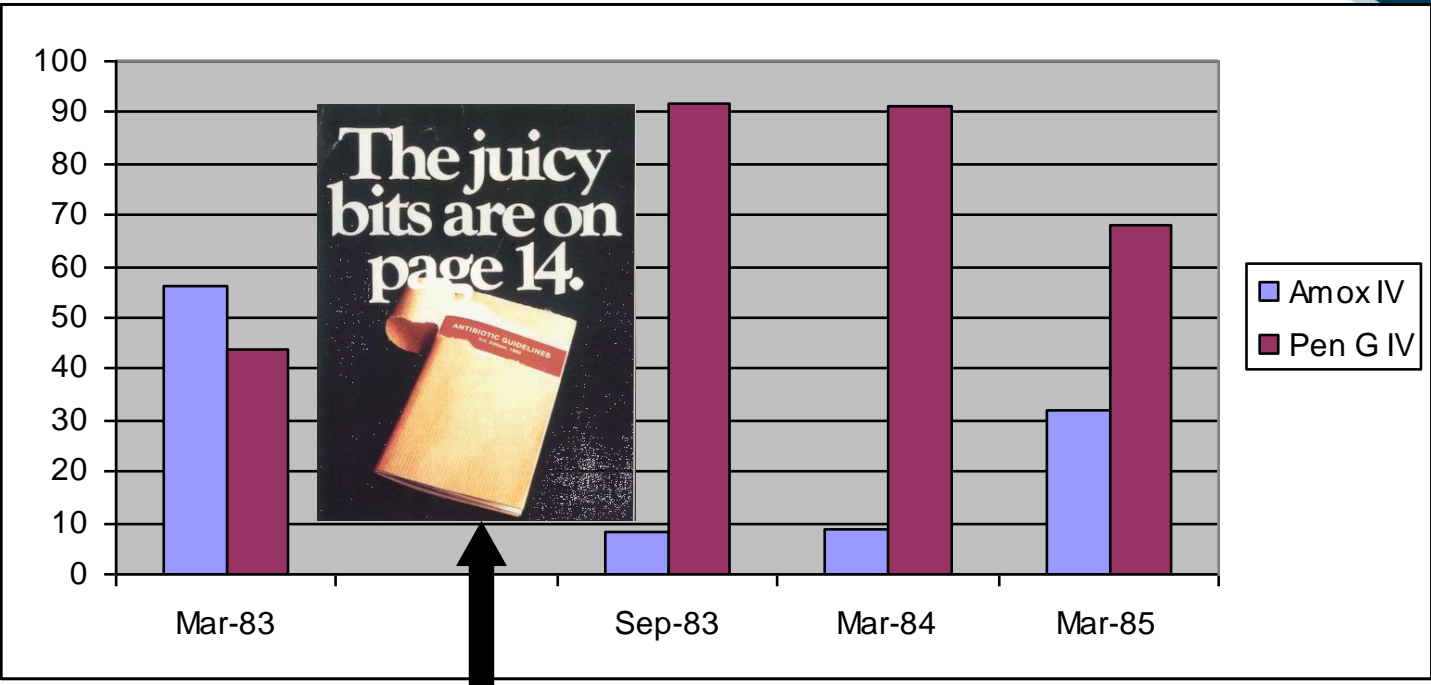
Geoff Godkin





Educational campaigns

Antibiotic use for pneumonia at RMH

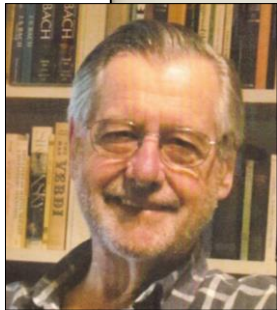


Educational advertising campaign:
pads, pens and posters

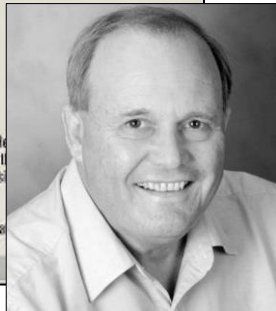
Educational campaigns



Antibiotic Guidelines
5th Edition, 1987



Victorian Medical Postgraduate Foundation

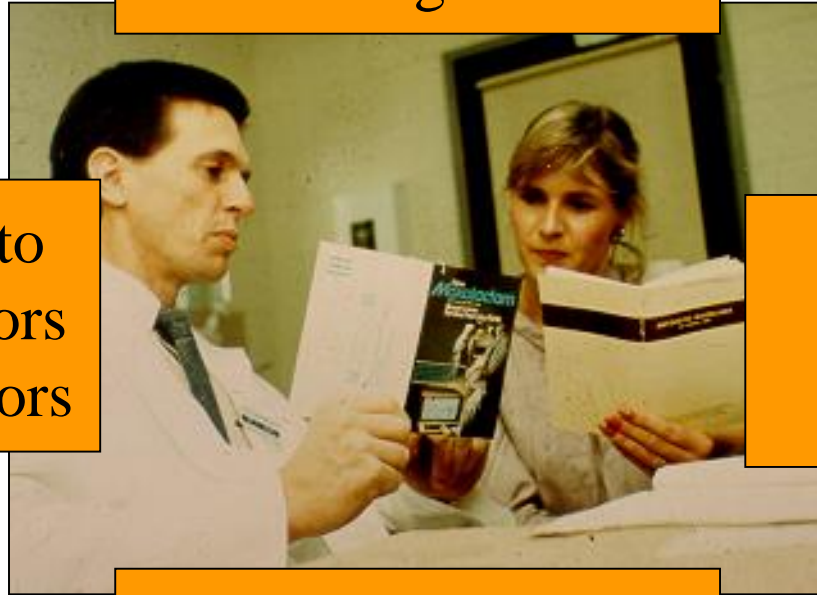


- Harvey K, Stewart R, Hemming M, Naismith N, Moulds RF. *Educational antibiotic advertising*. Med J Aust 1986; 1: 28-32.
- Landgren FT, Harvey KJ, Mashford ML, et al. *Changing antibiotic prescribing by educational marketing*. Med J Aust 1988; 149: 595-9.

Quality Assurance Cycle



Continually updated
standards of practice:
treatment guidelines



Drug audit /
utilisation review

Feedback results to
health administrators
and guideline authors

Practitioner reflection
/ targeted education

Infection control



Val Humphries

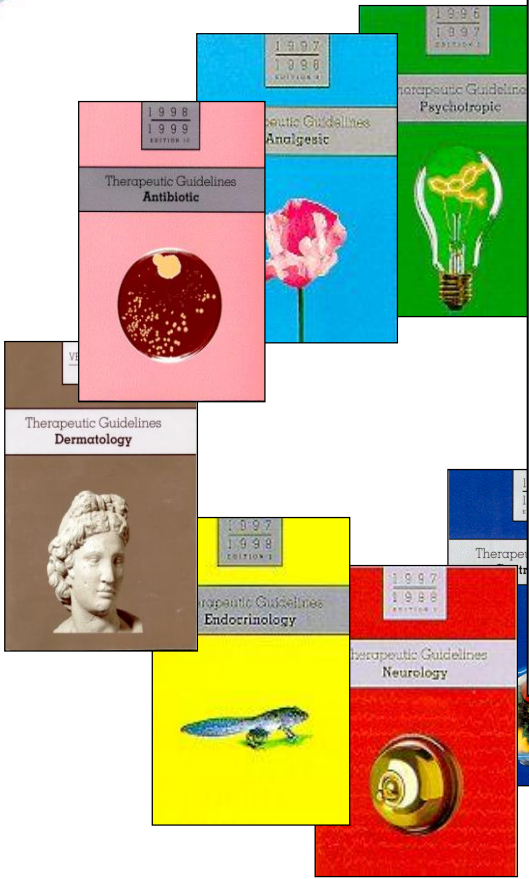


Barrier nursing

ABC and BBC Horizon program 1986



Guidelines evolution...



iSilo - [miniTG.pdb]

File Edit Marks Tools View Window Help

miniTG

Therapeutic Guidelines

- Analgesic (2007)
- Antibiotic (2006)
- Cardiovascular (2008) **New**
- Dermatology (2004)
- Emergency Medicine (2008)
- Endocrinology (2004)
- Gastrointestinal (2006)
- Neurology (2007)
- Oral and Dental (2007)
- Palliative Care (2005)
- Psychotropic (2003)
- Respiratory (2005 & 2006)
- Rheumatology (2006)

Management Guidelines

- Developmental Disability (2005)

[Index](#)
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New [What's new](#)
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miniTG, July 2008

Welcome to the new miniTG. To get started, click the [Index](#) or the links to the left. The Bookmarks are a useful shortcut to key pages. Click [Help](#) for more information. Do not hesitate to contact us with your feedback or if support is required (1800 061 260 or email miniTG@ta.com.au).

What's new?

New Included in this release are new [Cardiovascular](#) topics. These topics have been developed by the [Cardiovascular Expert Group](#) and [endorsed](#) by several organisations. In addition, [Prevention of endocarditis](#) has been revised by a [specialty Expert Group](#) and [endorsed](#) by several organisations. Click [here](#) for a summary of what's new.

For Help, press F1

NUM

Scaling up nationally

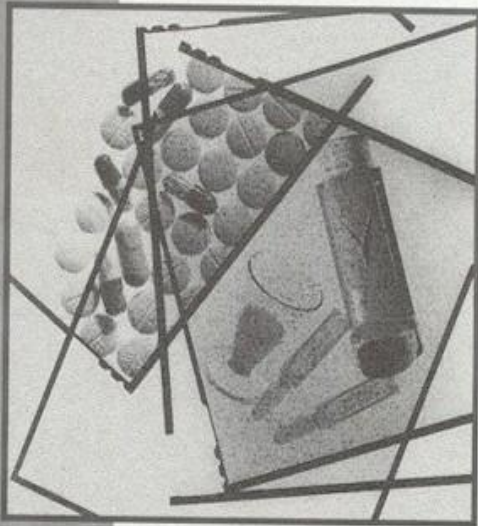


Health Minister, Peter Sharples, with members of the PHARM Committee during the development of the Quality Use of Medicines Policy

Quality Use of Medicines Policy 1994

A Policy on the Quality Use of Medicines

JUNE 1994



Commonwealth Department
of Human Services and Health
in conjunction with the
Pharmaceutical Health
And Rational use of Medicines
(PHARM) Committee

Strategies

- Policy development and implementation
- National facilitation and co-ordination (PHARM)
- Independent information
- Ethical behaviour
- Education and training (NPS)
- Campaigns (NPS)
- Evaluation

Independent information



INDEPENDENT. NOT-FOR-PROFIT. EVIDENCE BASED.

RADAR

HOME | BRO



Australian Government
Department of Health
Therapeutic Goods Administration

Medicines Safety Update

Volume 7, Number 2, April 2016



My account

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Therapeutic Guidelines

- Analgesic
- Antibiotic
- Cardiovascular
- Dermatology
- Endocrinology
- Fatigue
- Gastrointestinal
- Neurology

Australian Government
Department of Health



The
Pharmaceutical
Benefits Scheme

[Patient information and useful PDFs](#)
[Pregnancy and breastfeeding](#)
[Calculators](#)

[Guideline Developmental Disability and figures](#)

ew

features a new look, coupled with new navigation. These new features are available in the [guided tour](#) and summarised in the

AMH

AUSTRALIAN MEDICINES HANDBOOK

Australian Prescriber

AN INDEPENDENT REVIEW

Unethical conduct



- Trials manipulated; negative results suppressed.
- Journal articles “ghost-written”.
- Off-label promotion.
- Well paid, but undeclared, medical opinion leaders used to promote company products (educational mercenaries).
- Excessive hospitality, kickbacks, bribery.
- Consumer groups manipulated.
- Spurious patents and legal challenges to delay the entry of generics.

Education and training



Popular activities



Ken Harvey

Home Dashboard Record of Learning Find Learning

Home / Courses / Search

Search Courses: 1 record shown

- Open a course by clicking on its title in the Course name column.
- Use the search field to find a particular course or topic.

▼ Filter by

Target audience ⓘ

- General practitioners (2)
- GP Registrars (0)
- Medical practitioners (1)
- Nurse practitioners (1)
- Nurses (1)
- Pharmacists (1)
- Students (1)

CPD accredited ⓘ

- General practitioners (0)
- Nurses (0)
- Pharmacists (0)
- Other (0)

Search by

Course Category	Course Name	Course Summary	Target audience	CPD accredited	Therapeutic area
Antimicrobial prescribing courses	Surgical antibiotic prophylaxis 2018	<p>In this course, a 67-year-old lady who weighs 90 kg, presents to your pre-admission clinic for review. She has a possible penicillin allergy and is due to have an elective left total hip replacement to manage pain due to osteoarthritis.</p> <p>Developed in collaboration with the Australian Commission on Safety and Quality in Health Care (ACSQHC).</p> <p>Target audience: Health professionals working in a hospital setting. Health professional students.</p> <p>CPD points: It is recommended that 45 CPD minutes be recorded for the purposes of self-directed CPD.</p> <p>QPI PIP: No.</p>	Medical practitioners, Nurse practitioners, Nurses, Pharmacists, Students		Antibiotic

Consumer Campaigns



The difference between common colds and flu

Common cold

Symptoms include a runny or blocked nose, sneezing, minor throat irritation, mild fever and a feeling that your ears are blocked. Coloured mucus or nasal discharge does not mean you are getting worse – it means your immune system is fighting the infection.

Flu

Influenza is a much more serious illness. Often people call a 'common cold' the 'flu', but they are different illnesses. Symptoms usually start suddenly with a high fever and you may feel sick enough to go to bed. Symptoms include irritation in the throat or lungs, a dry cough, high fever, shivering, sweating and severe muscle aches. The flu tends to make the whole body ache, whereas the common cold usually affects the nose and throat only.

Influenza vaccinations are available and recommended for older people, people with chronic illnesses, pregnant women and people who live in nursing homes. Ask your doctor for more information.

Medicines to treat influenza are available by prescription from your doctor. They have no benefit in the common cold.

When to see a doctor

See your doctor if your symptoms are severe, last longer than usual or if you have any of the following symptoms:

- severe headache or a stiff neck
- your eyes hurt when exposed to light
- you have difficulty waking up
- a skin rash
- a fever that lasts longer than three days
- vomiting
- a child develops high fever, a strange/high-pitched cry or skin rash
- shortness of breath or difficulty breathing.

See your doctor if you are worried. Your doctor can check the severity of your illness, tell you how long it may last, give advice on treatment and provide you with a medical certificate if needed.

National Prescribing Service Ltd (NPS)

NPS is a non-profit, independent organisation working to improve the health of Australians through appropriate prescribing and use of medicines. With 35 peak health bodies as members, NPS works in partnership with GPs, pharmacists, specialists, other health professionals, Government, pharmaceutical industry, consumer organisations and the community.

Antibiotics
won't help a
common cold.
Common
sense will.



Take it
easy.



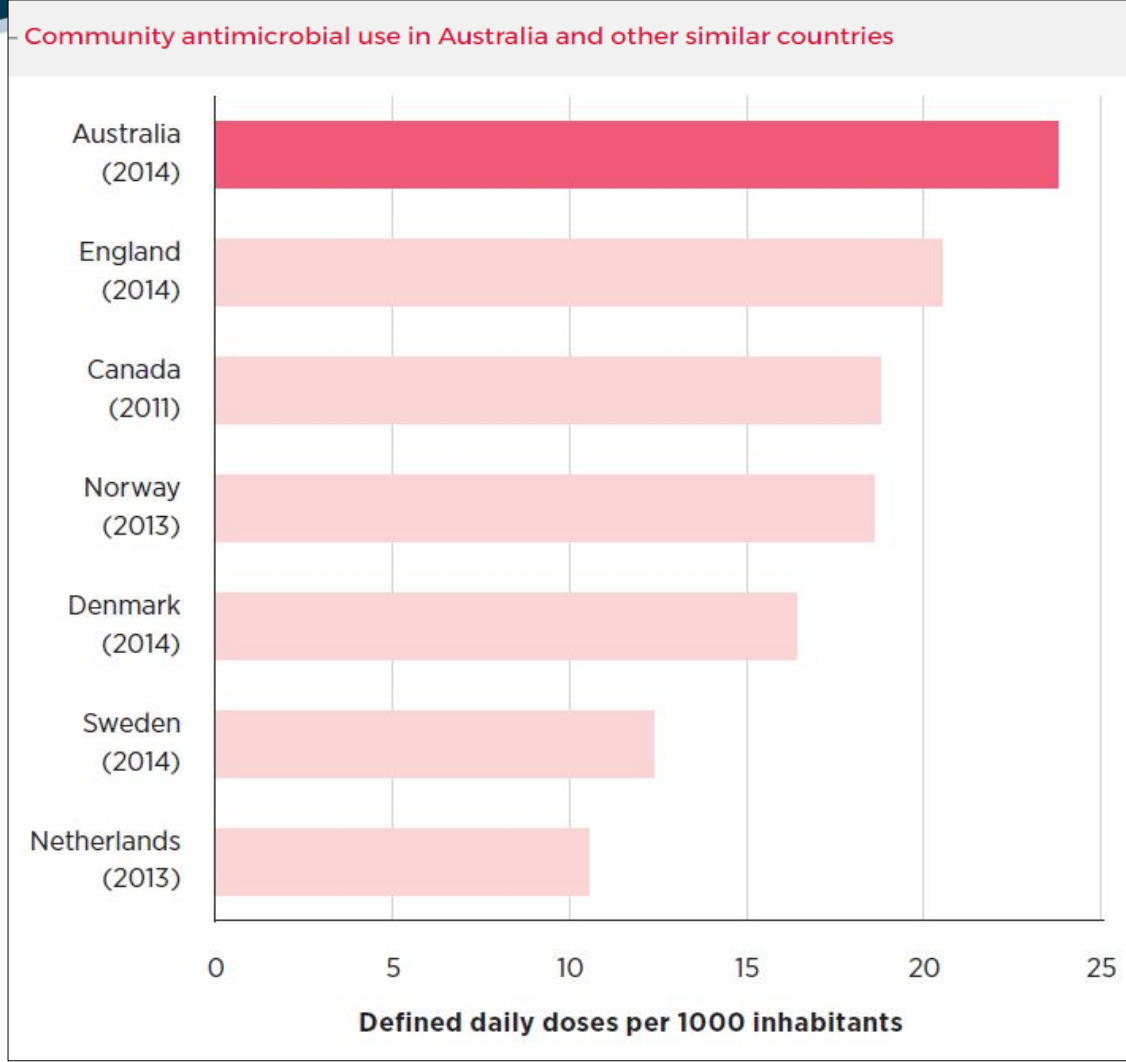
Drink plenty
of fluids.



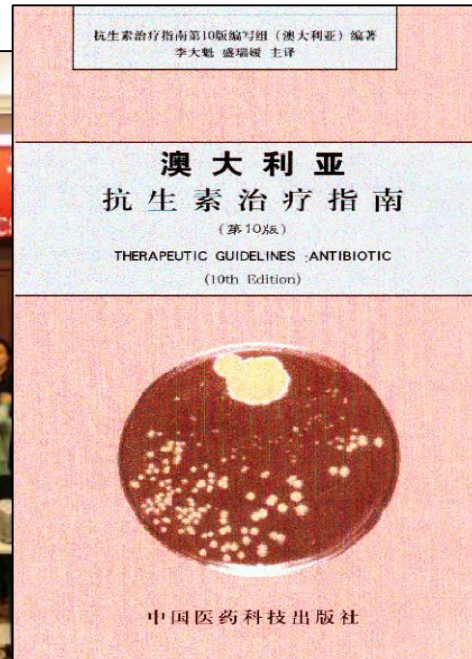
Treat your
symptoms.

© 2003

Evaluation



All countries have the same problem



Review [Open Access](#)

Rational antibiotic use in China: lessons learnt through introducing surgeons to Australian guidelines

Yan Zhang, Ken J Harvey

Australia and New Zealand Health Policy 2006, **3**:5 (30 May 2006)

[Abstract] [Provisional PDF] [PubMed] [Related articles]

All countries have
lem

All can
learn from
each other!

Review

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[Rational antibiotic use in China: lessons learnt from visiting surgeons to Australian guidelines](#)

Yan Zhang, Ken J Harvey

Australia and New Zealand Health Policy 2006, 3:5 (30 May 2006)

[\[Abstract\]](#) [\[Provisional PDF\]](#) [\[PubMed\]](#) [\[Related articles\]](#)

Acknowledgments



- Robin Pavillard
- Neil Naismith
- Mary Hemming
- Rob Moulds
- Geoff Godkin
- Ros Stewart
- Fiona Langren
- Giovanna De Santis
- Yan Zhang
- John Shaw
- Barry Parsons
- John Spicer
- Fred Tosolini
- John Andrew
- Val Humphrey