



# Google Facebook and Pain

## The Role of Technology in Pain Management

Peter J. Kennedy RN MN.



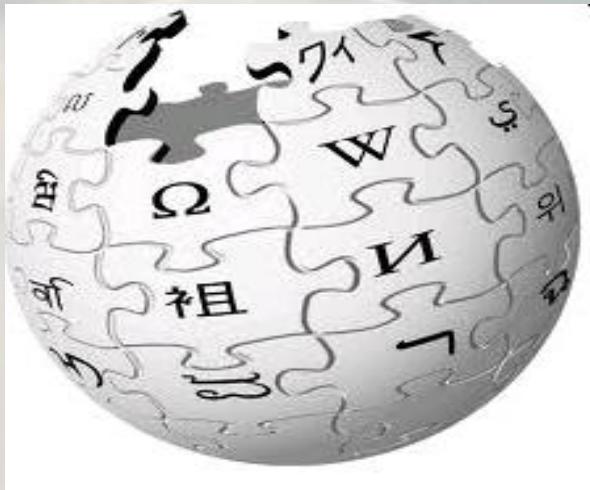
# Improving Clinical Outcomes

- ‘ We do not know that better pain control reduces costs. But neither is it likely to increase them dramatically. Doing the simple things well can generate great benefits for patients without recourse to expensive high-technology interventions.’ - *Bandolier Extra (February 2003)*

# A scenario

- The wife of a patient wants to see you, she has print outs from a search engine, Oxycodone – the addictive drug.....
- Terror begins to creep through your bones.....

One of these things is not like the others.....



# A short history of technology....



# Clinician Resources

- Hospital Intranet
  - Content Management
    - Policies / Procedures / User Guides
    - Internet Links
    - Publication of research articles
    - On Line Presentations
  - Moodle
    - Knowledge Refreshers
    - In-service Q&A
    - Continuous assessment of content

# Clinician Resources

Rex iServer - Microsoft Internet Explorer provided by Hawkes Bay District Health Board

http://shran/rexserver/rexdefault.aspx?pid=ca833ad7-a9d2-4415-97fa-a260960498f5&nav=true&\_tvScroll=0

File Edit View Favorites Tools Help

Home File Management Rex Inform Vacancies Forms and Templates Policies and Procedures Library A to Z

Home >> Our organisation >> Acute Pain Service

Search [ ] Go

Advanced Search

Navigation

- Home
  - News, info & publications
  - Our organisation
    - New Uniforms
    - 2010 Staff Survey
    - 4th floor elective surgery
    - AAU
    - Acute Pain Service
  - Board

My Tools

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Composition Tools

- Create
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Peter Kennedy Logout...

Page Tools

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Events

May 2011

Mon	Tue	Wed	Thu	Fri	Sat	Sun
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2	3	4	5	6	7	8
9	10	11	12	13	14	15
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30	31	1	2	3	4	5

## ACUTE PAIN SERVICE HOME PAGE

For Problems with Patients currently on PCA's / Epidurals ring PACU on 6545 dur

FAQs

Interpreter

Local intranet 100%

start Rex iServer - Microso... Inbox - Microsoft Out... EN 8:42 p.m.

# Clinician Resources

Rex iServer - Microsoft Internet Explorer provided by Hawke's Bay District Health Board

http://shran/rixserver/RexDefault.aspx?pid=6445649d-31f4-446e-b85e-c6c9f673e9ef

File Edit View Favorites Tools Help

HAWKE'S BAY District Health Board

Home File Management Rex Inform Vacancies Forms and Templates Policies and Procedures Library A to Z

Home >> Our organisation >> Acute Pain Service >> Rx

Peter Kennedy Logout...

## PHARMACOLOGY

Search  
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Page Editor: Peter Kennedy

Last Updated: 26 July 2010

Paracetamol

NSAIDS

MEDSAFE

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Local intranet 100%

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# Clinician Resources

Rex iServer - Microsoft Internet Explorer provided by Hawkes Bay District Health Board

http://shran/rexiserver/RexDefault.aspx?pid=fc4eb364-4002-4015-b431-fecd603cfb61

File Edit View Favorites Tools Help

Home >> Our organisation >> Acute Pain Service >> Rx >> Paracetamol

**PARACETAMOL**

th, August 16th, November 15th - be early book now

**Contra-Indications:**

Patients with mild - moderate hepatic impairment should be prescribed paracetamol with caution, and only after obtaining current liver function tests and discussion with a consultant physician.

Patients with severe liver impairment should not be routinely prescribed paracetamol, unless directed by a consultant physician.

**Adult Prescribing:**

Adults should be prescribed 1gram Q.I.D. (Maximum Daily Dose 4 grams)

**Paediatric Prescribing:**

< 10kg - Please contact Paediatric Consultant for prescribing practices

> 10kg < 33kg : 15mg / kg Q.I.D (Maximum Daily Dose 2grams)

> 33kg < 50kg : 15mg / kg Q.I.D (Maximum Daily Dose 3grams)

[Medicine Data Sheet](#)

Home | File Management | Rex Inform | Vacancies | Forms and Templates | Policies and Procedures | Library | A to Z

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Local intranet 100%

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# Clinician Resources

ReX iServer - Microsoft Internet Explorer provided by Hawkes Bay District Health Board

http://shran/rexiserver/ReXDefault.aspx?pid=fc4eb364-4002-4015-b431-fecd603cfb61

http://www.medsafe.govt.nz/profs/Datasheet/p/Perfalganinf.pdf - Microsoft Internet Explorer provided by Haw...

http://www.medsafe.govt.nz/profs/Datasheet/p/Perfalganinf.pdf

File Edit Go To Favorites Help

1 / 18 80.6% Find

**DATA SHEET**

**PERFALGAN**  
(paracetamol)

**SOLUTION FOR INFUSION**

**DESCRIPTION**

PERFALGAN (paracetamol) solution for infusion is a clear and slightly yellowish solution. It contains 10mg/mL of paracetamol. Paracetamol is a white crystalline solid or powder chemically described as 4 - acetamidophenol. It is soluble in water (1 in 70), soluble in alcohol (1 in 7), acetone (1 in 13), glycerol (1 in 40), propylene glycol (1 in 9) and also soluble in solutions of the alkali hydroxides.

Structural formula

CC(=O)Nc1ccc(O)cc1

$C_9H_9NO_2$

Molecular weight: 151.2

Unknown Zone

Peter Kennedy Logout...

**Page Tools**

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**Events**

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30	31	1	2	3	4	5

Local intranet 100%

start Rex iServer - Micro... http://www.medsafe... Sent Items - Microsof... EN 8:52 p.m.

# Project Incubator

Programme Incubator - Feel the pulse get into health - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Programme Incubator - Feel the pulse get in... +

www.incubator.net.nz

the arts center

Most Visited Smart Bookmarks Getting Started Latest Headlines



**HAWKE'S BAY**  
District Health Board



**INCUBATOR** *Feel the pulse get into health*

Programme Incubator || Hawke's Bay District Health Board || HASTINGS || New Zealand



*What*

*"what happens in Programme Incubator"*



*Where*

*"where in New Zealand is Programme Incubator"*



*Why*

*"why Programme Incubator works"*



*Moodle it*

*"goto the learningDHB moodle site"*

The health sector future workforce is one of the greatest development [Select a page ...](#)

start Programme Incubator... Microsoft PowerPoint... Document1 - Microsof... Kia ora tatou (Read-... Inbox - Local Folders ... 8:23 a.m.

# Education Resources

- Partnerships for content delivery
  - Partner with University to supply on-line learning packages (e.g.. UQ Health Insitu)
  - Shared service / hospital resources
  - Biomedical Device Manufactures education

# NEtP Education


Course: MN/PG Nursing Online: Programme Site - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Course: MN/PG Nursing Online: Programme ...

http://eitonline.eit.ac.nz/course/view.php?id=961

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 EASTERN INSTITUTE OF TECHNOLOGY

You are logged in as Peter Julian KENNEDY (Logout)

Home All Courses Student Help Staff Help Student Webmail Staff Webmail Library


EIT Online ► MN/PGNursing\_OL

### Latest News







18 Jul, 14:49  
Salomé Meyer  
Library orientation 20 July for new students [more...](#)

15 Jul, 14:14  
GILL SCRYMGEOUR  
Welcome to 2nd Semester Students and reminder that EIT online will be off line, Monday & Tuesday next week [more...](#)  
[Older topics...](#)


### People

 Participants

### My courses

-  2011-MN8.409 Online - Pharmacotherapeutics for Advanced Nursing / Midwifery Practice
-  EIT Communication
-  EIT Smokefree
-  Library Information
-  MN/PG Nursing Online: Programme Site
-  Students Association

### Topic outline





Welcome to the Master of Nursing and Postgraduate Programmes.

This online site is available to all MN/PG students and is linked to each of your courses. On the left hand of your course page you will see a block titled Programme Site which provides you with a direct link to this site.

This site has been developed to augment your course site and so any generic information to all courses are situated on this site. Have a read through and don't forget to read the [welcome](#) note below which will provide you with more detail about the Programme and this site.

Gill Scrymgeour  
Master of Nursing and Postgraduate Programmes Coordinator




-  Programme announcements
-  Welcome

### Calendar

August 2011

Mon	Tue	Wed	Thu	Fri	Sat	Sun
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8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

**Events Key**




-  Global
-  Course
-  Group
-  User

### Upcoming Events

There are no upcoming events

[Go to calendar...](#)  
[New Event...](#)

### General Programme Information

-  Student Handbook 2011
-  Required Textbook list and order form 2011
-  Postgraduate education philosophy

start Course: MN/PG Nursi... Pain Management

11:15 a.m.

# On Line...Anytime

Course: 2011\_MN8\_409 Online - Pharmacotherapeutics for Advanced Nursing / Midwifery Practice - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://eitonline.eit...inpopup=true&id=88947

http://eitonline.eit.ac.nz/mod/resource/view.php?id=...

0:00 / 0:00

EIT Online Learning Environment (27 users online in the last 5 minutes)  
You are logged in as Peter Julian KENNEDY (Logout)

Begin Module 4 by reviewing the **Learning activities** below.

- Module 4 Learning activities
  - Drugs that affect the mind
  - Open space: Drugs and mental health
  - the dangers of prescribing opioids

start Course: 2011-MN8.4... Mozilla Firefox Pain Management 11:17 a.m.

# Education Issues

- Alternate Education Delivery
  - Development costs for “Web Based Learning Packages”
  - Operational costs of managing “Web based learning packages”
  - Development of ‘Simulation Centre for Pain & Pain Management’

# Technology Resources

- Pain Management PAS Applications
  - Small Stakeholder Group
  - No value for software vendors
  - Opportunity to develop ‘open source’ application (like Firefox, Thunderbird, My SQL, OpenOffice)
  - Data definitions and data set needs development (should link to APOP e-Audit)

# Patients & Information

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www.facebook.com

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## facebook

Email  Password  [Log In](#)

Keep me logged in [Forgot your password?](#)

**Facebook helps you connect and share with the people in your life.**



**Sign Up**  
It's free and always will be.

First Name:

Last Name:

Your Email:

Re-enter Email:

New Password:

I am:

Birthday:     
Why do I need to provide my birthday?

[Sign Up](#)

[Create a Page for a celebrity, band or business.](#)

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start Welcome to Faceboo... Microsoft PowerPoint ... 9:06 a.m.

# Patients & Information

- Internet = Disinformation
- Social Networks = Fuel for Fires
- Direct to reputable sites
  - BMJ
  - Cochrane
  - Bandolier
  - NPS
- Encourage discussion of information
- Give patients access to your health intranet.

# Strategic / Political Issue

- Ageing Population = Changing Casemix
  - Increased demand for surgery for diseases of debilitation (arthroplasty, gastric bypass etc)
  - Increased complexity of Casemix
  - Increased polypharmacy of patients
  - Increased demand for acute beds
  - Increased demand for decreases in ALOS

# Strategic Workforce Issues

- Clinicians are getting older (older learners have very different education requirements)
- Increasing casualization of the health workforce – who meets the cost of this workforce's ongoing staff development costs.
- New compliance costs for ongoing professional development (AHPRA)

# Future Directions

- Technology will transform to meet new models of care – be prepared for more change.
- Collaboration is key to success.
- Be the driver not the passenger in Technology Transformation

http://www.nzps2012.org.nz/ new zealand pain society

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Favorites Facebook Gmail Yahoo! Mail Hotmail

NZPS 2012: A Head of Pain - Call for Abstracts

Page Safety Tools

# The 37th Annual Scientific Meeting 2012 "A Head of Pain"



12 - 15 April 2012 Wellington, New Zealand [www.nzps.org.nz](http://www.nzps.org.nz)

## Abstract Submission

[Submit Abstract](#)

## Abstract Author Login

To view, edit or submit an additional abstract, please enter your Access Key here and press Submit.

[Submit](#)

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## Call for Abstracts

You are invited to submit an abstract for consideration by the Organising Committee for presentation at the 37th Annual Scientific Meeting of the New Zealand Pain Society Inc.

Abstracts are invited for oral or poster presentations. If you wish to submit an abstract for consideration by the Committee, you must also register to attend the Conference. You can register online at [www.nzps.org.nz](http://www.nzps.org.nz).

Abstracts must be submitted via the Conference website [www.nzps.org.nz](http://www.nzps.org.nz). Faxed or posted abstracts will NOT be accepted. Please submit your abstract by **4pm Monday 16 January 2012**. Notice of acceptance will be sent to submission authors by **Monday 30 January 2012**. Abstract authors are asked to carefully study the submission instructions.

Please submit your abstract online using the prescribed template. Please ensure you read the following information before submitting an abstract. Note: Available presentation slots in the programme are limited, not all abstracts submitted for approval will necessarily be included in the programme.

## Instructions for Submitting an Abstract

## Important Dates

Abstract Submissions Open  
**18 July 2011**

Abstract Submissions Close  
**16 January 2012**

Conference  
**13-15 April 2012**