THE WIKITHESIA PROJECT

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The Free Encyclopedia

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2,094,871 articles in English

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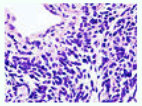
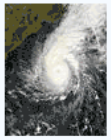
Today's featured article



Lung cancer is a disease of uncontrolled cell growth in tissues of the lung. This may lead to metastasis, invasion of adjacent tissue and infiltration beyond the lungs. Lung cancer, the most common cause of cancer-related death in men and the second most common in women, is responsible for 1.3 million deaths worldwide annually. The most common symptoms are shortness of breath, coughing (including coughing up blood), and weight loss. The main types of lung cancer are *small cell lung carcinoma* and *non-small cell lung carcinoma*. This distinction is important because the treatment varies; non-small cell lung carcinoma (NSCLC) is sometimes treated with surgery, while small cell lung carcinoma (SCLC) usually responds better to chemotherapy. The most common cause of lung cancer is exposure to tobacco smoke. The occurrence of lung cancer in non-smokers, who account for fewer than 10% of cases, appears to be due to a combination of genetic factors. Radon gas, asbestos, and air pollution may also contribute to lung cancer. Treatment and prognosis depend upon the histological type of cancer, the stage (degree of spread), and the patient's performance status. Possible treatments include surgery, chemotherapy, and radiotherapy. With treatment, the five-year survival rate is 14%. **(more...)**

In the news



- Over 2,000 are killed as **Cyclone Sidr** *(pictured)* makes landfall in the Sundarbans of Bangladesh with wind speeds up to 250 km/h (155 mph).
- Barry Bonds, the all-time home run record holder in Major League Baseball, is indicted on U.S. federal charges of perjury and obstruction of justice related to a steroid **investigation**.
- The Liberal-Conservative government of Prime Minister Anders Fogh Rasmussen **secures a third term in office** in Denmark.
- A magnitude 7.7 **earthquake** near the city of Antofagasta rocks northern Chile, killing two and injuring at least 150, while widespread damage and power outages disrupt copper production.
- Pakistani opposition politician **Imran Khan** is arrested at the University of the Punjab in Lahore as the state of emergency continues.

Wikinews – Recent deaths – More current events...

Done

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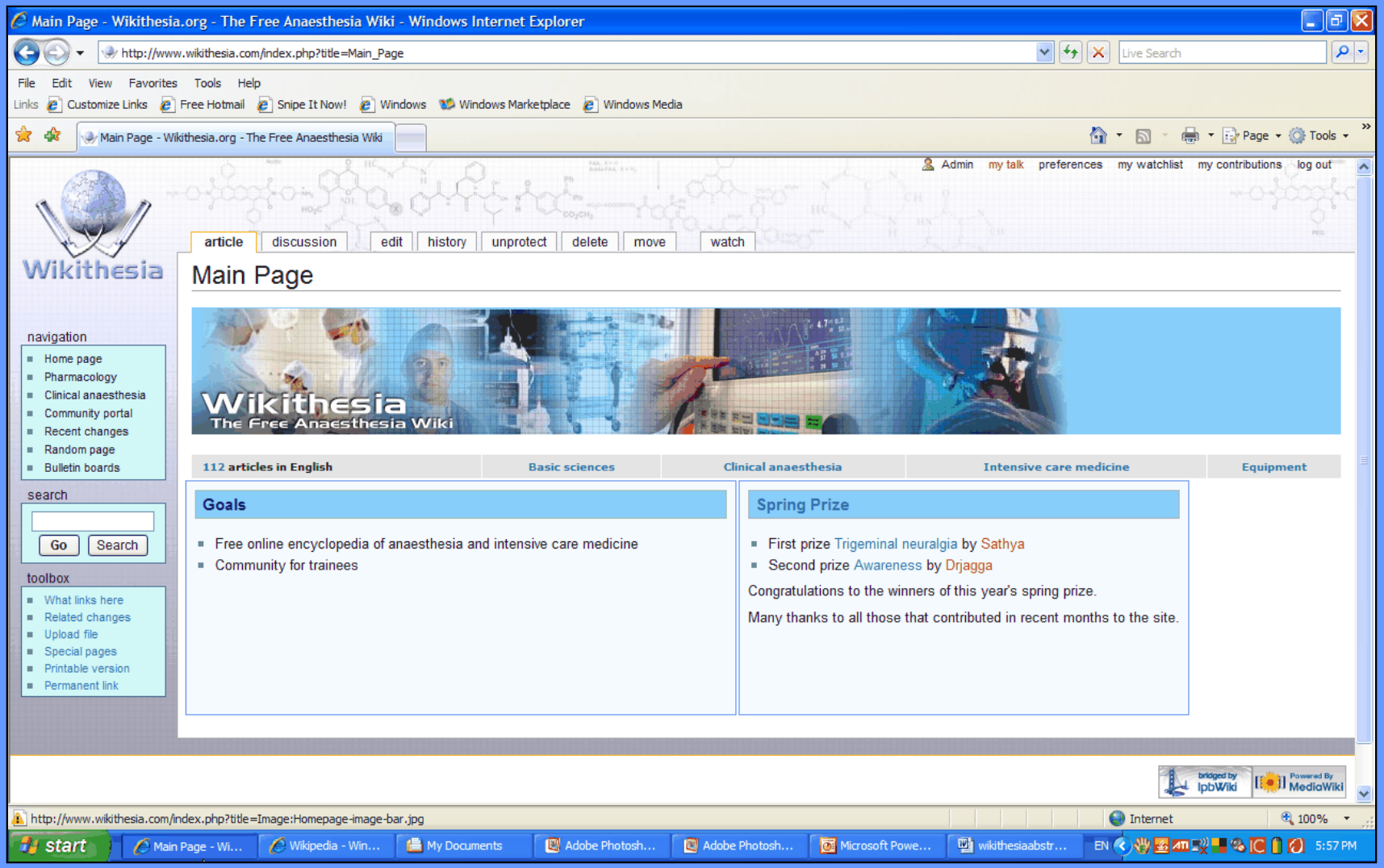
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Goals
Free online encyclopedia of anaesthesia and intensive care medicine
Community for trainees
Spring Prize
First prize Trigeminal neuralgia by Sathya
Second prize Awareness by Drjagga
Congratulations to the winners of this year's spring prize.
Many thanks to all those that contributed in recent months to the site.
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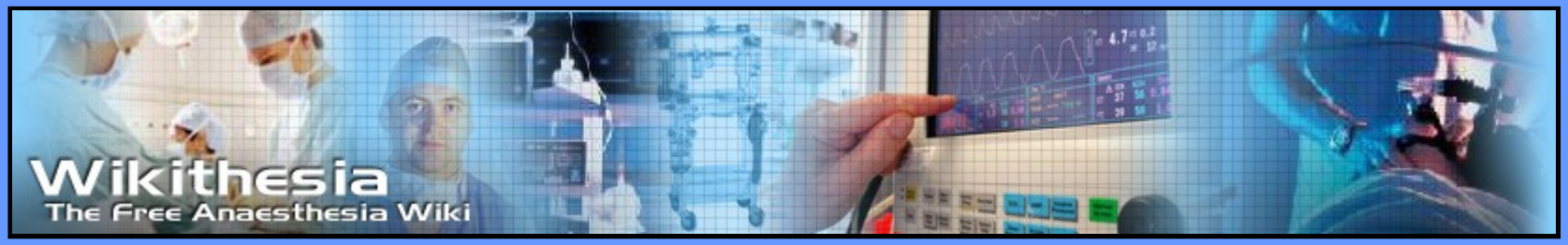
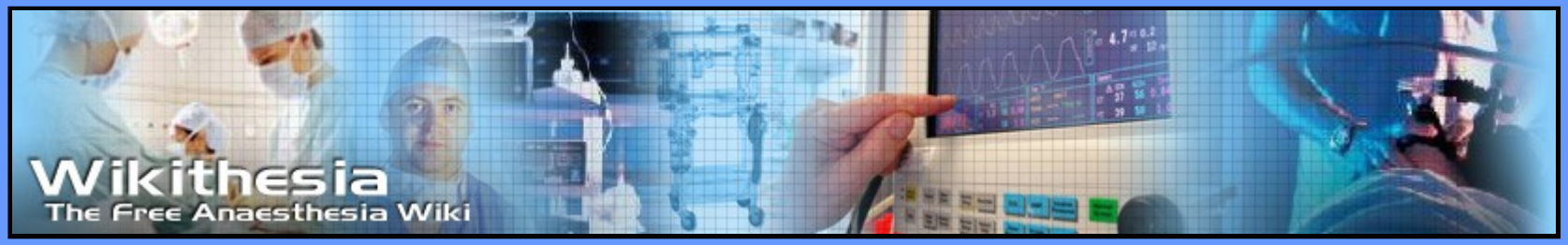


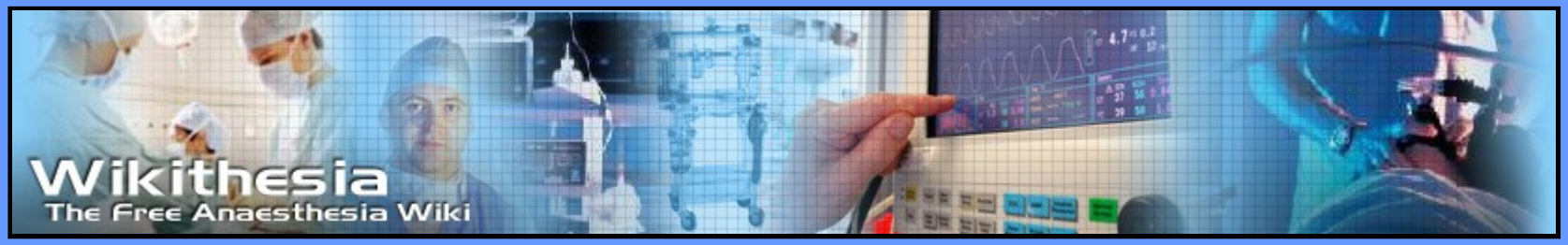
Introduction

Wikithesia was originally developed as a personal online web space to store revision notes



Project development process

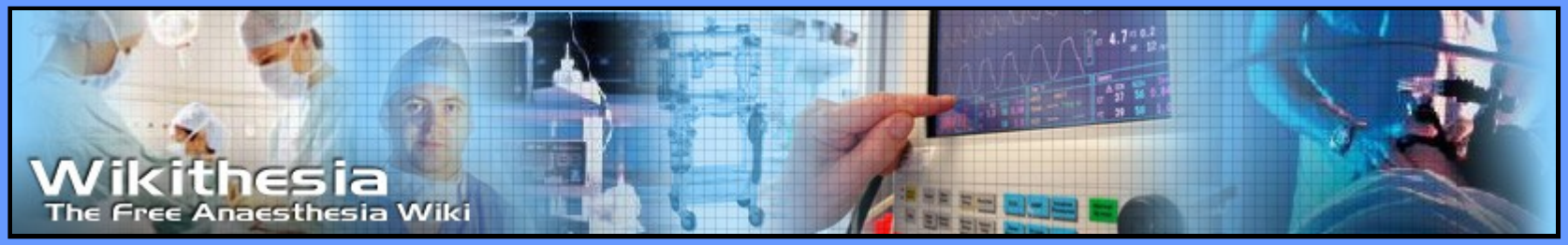
- Define
- Design
- Develop
- Deploy



Define

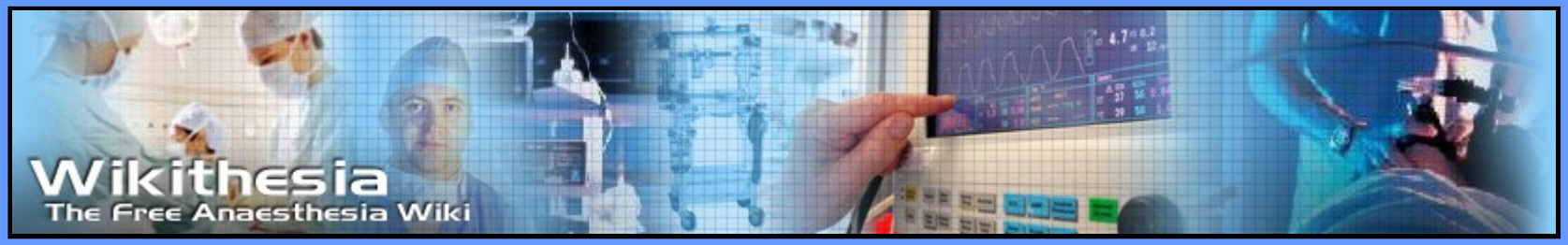
Web-based content management system that is:

- Easy
- Simple
- Accessible
- Cheap



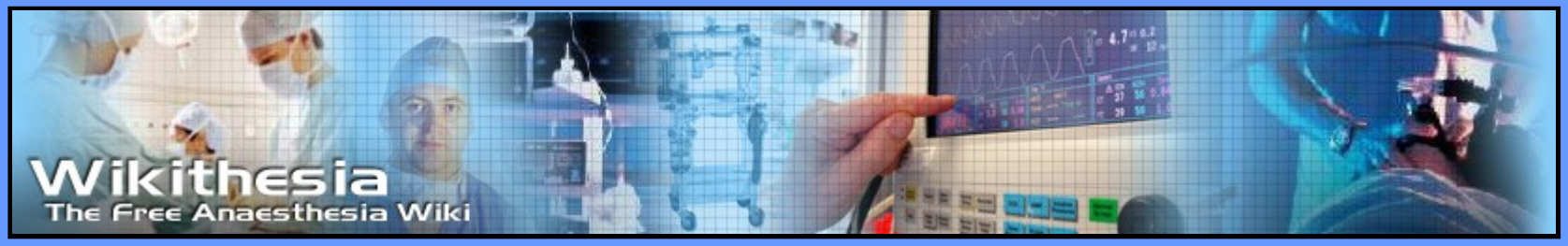
Design

Wiki Wiki is a reduplication of *wiki*, a Hawaiian word for fast



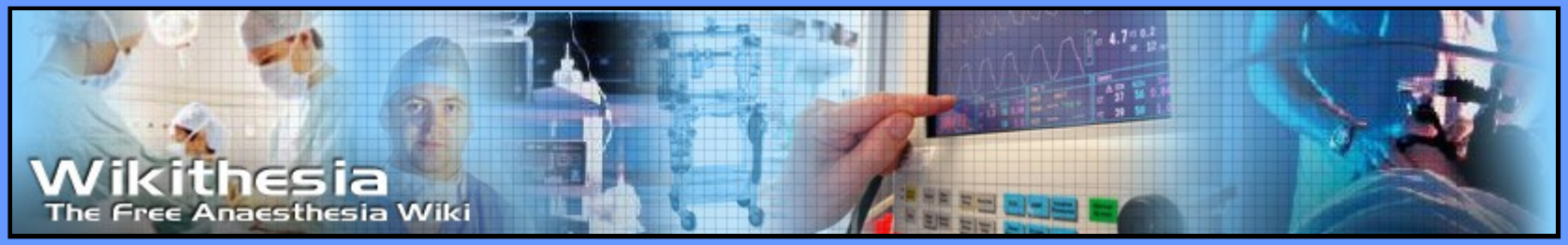
A wiki

- Enables documents to be written collaboratively, in a simple language using a web browser
- Is a body of pages, which are usually highly interconnected via hyperlinks
- Is a database for creating, browsing and searching information
- A defining characteristic of wiki technology is the ease with which pages can be created and updated



MediaWiki

- A web-based wiki software application
- Originally developed for Wikipedia
- Also been used as an internal knowledge management solution, and as a content management system
- Written in the PHP programming language
- Uses either the MySQL or PostgreSQL relational database management systems



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Create an account or log in

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article discussion edit history

Main Page

Wiki software successfully installed.

Please see documentation on customizing the interface and the User's Guide for usage and configuration help.

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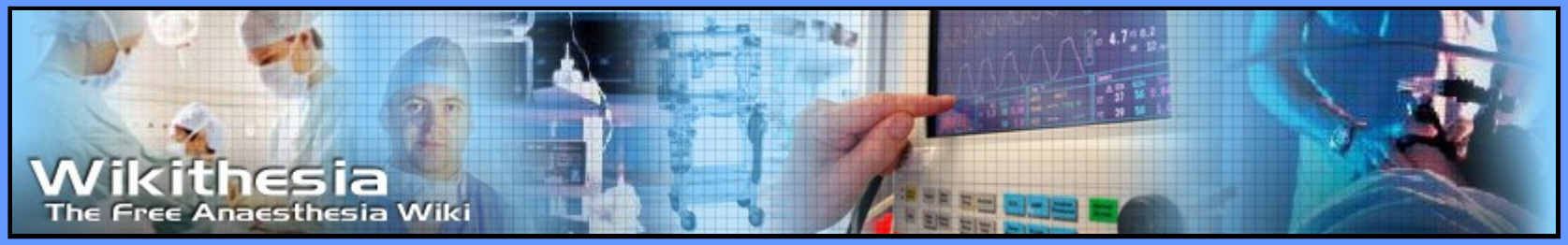
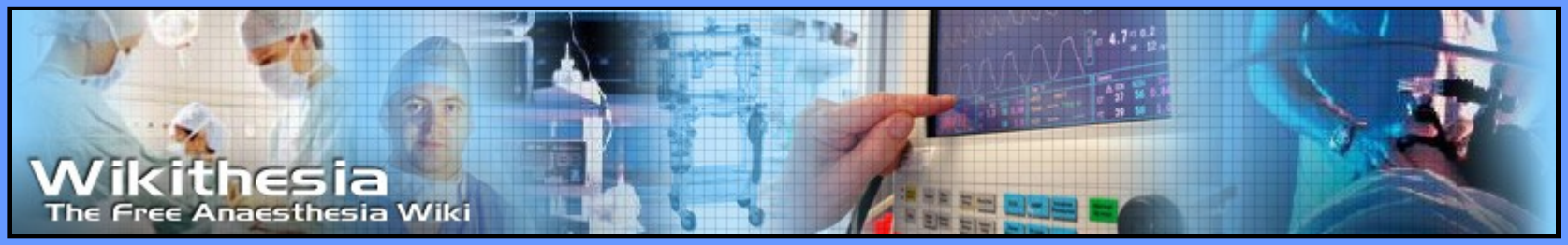
Local intranet



Develop

- Site tailored to specific requirements
- Categories, subcategories, pages
- Templates
- Graphic design



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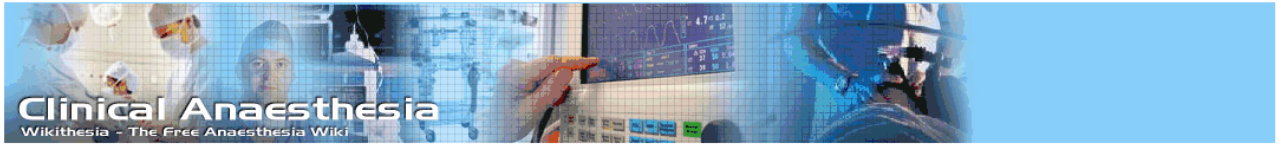

Basic sciences | Clinical anaesthesia | Intensive care medicine | Equipment

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Subcategories

There are 21 subcategories to this category.

C
- Cardiac surgery
- Chronic pain

D
- Day case surgery

E
- Ear, nose and throat surgery
- Endocrine surgery

L
- Liver surgery

M
- Maxillofacial and dental surgery

O
- Obstetric anaesthesia and analgesia
- Opthalmic surgery

P

R
- Regional anaesthesia
- Resuscitation and anaesthetic emergencies

T
- Thoracic surgery
- Trauma and orthopaedic surgery

U
- Urological surgery

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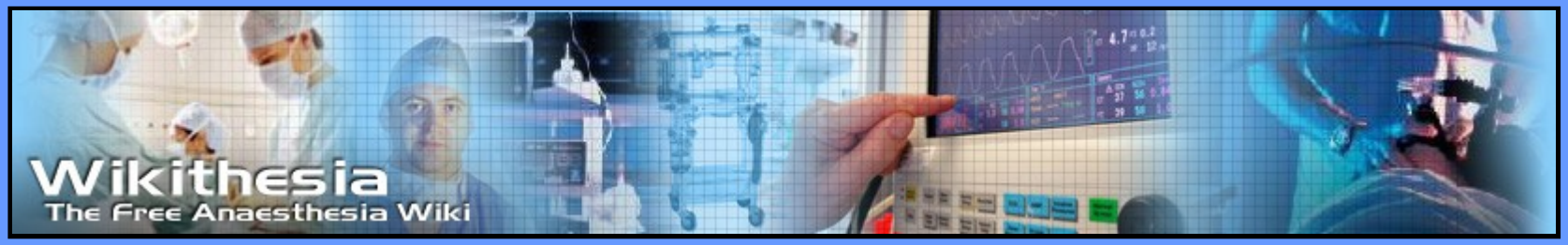

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Category:Equipment

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Articles in category "Equipment"

There are 2 articles in this category.

G

- Gastric tonometry

I

- Intra-aortic balloon pump

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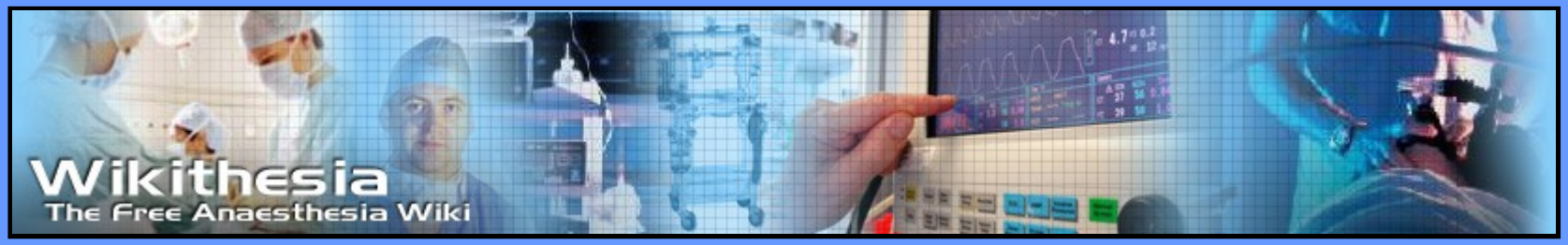

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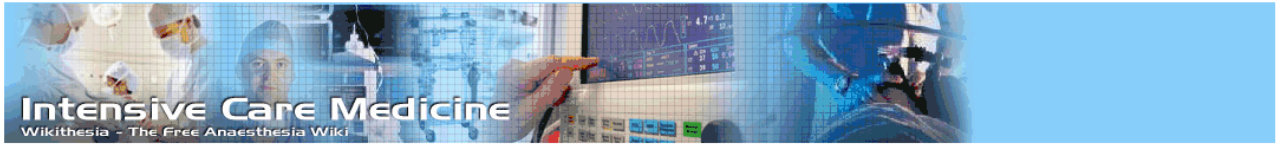

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Subcategories

There are 4 subcategories to this category.

C
- Cardiovascular support

G
- Gastrointestinal support

R
- Renal support
- Respiratory support

Articles in category "Intensive care medicine"

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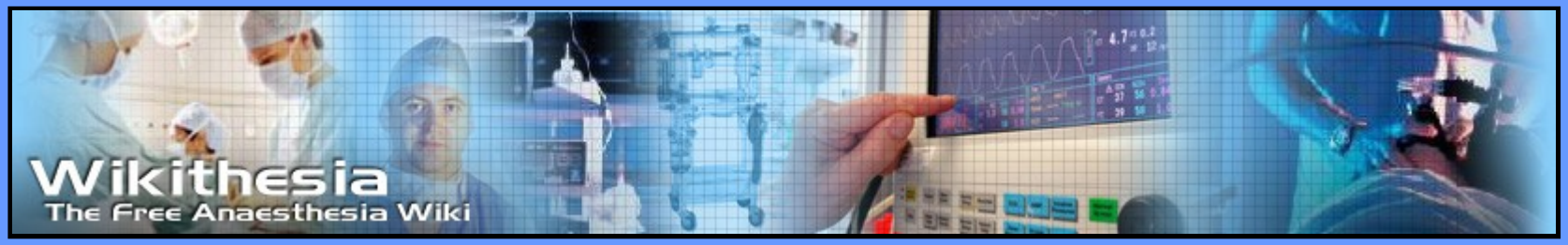

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Subcategories

There are 4 subcategories to this category.

A

- Anatomy

P

- Pharmacology
- Physiology

S

- Statistics

Articles in category "Basic sciences"

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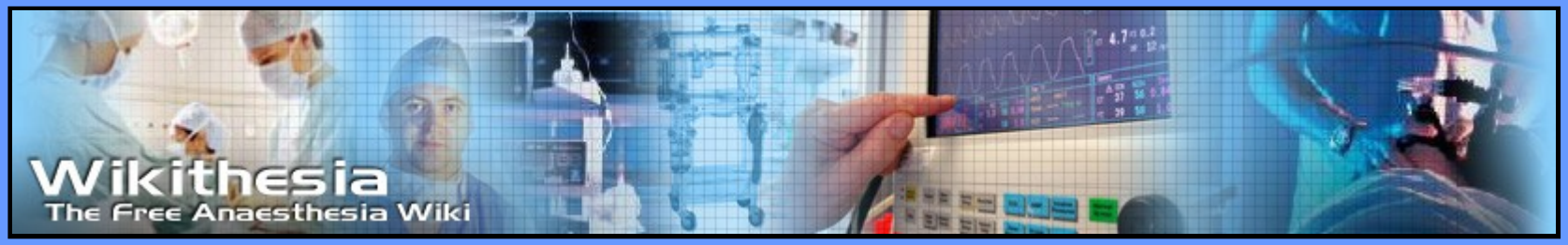


Subcategories

There are 38 subcategories to this category.

A

- Antiarrhythmics
- Antibiotics
- Anticholinergics
- Anticoagulants and antiplatelet drugs
- Anticonvulsants
- Antidepressants
- Antiemetics
- Antihistamines
- Antihypertensives
- Antimicrobials
- Anxiolytics

B

- Bronchodilators

C

- Cholinergics

D

- Diuretics

F

- Fibrinolytics

G

- Gastric acid secretion inhibitors

H

- Haemostatics
- Hormones
- Hypoglycaemics

I

- Inhalational anaesthetics
- Inodilators
- Intravenous anaesthetics
- Intravenous fluids

L

- Laxatives
- Local anaesthetics

M

- Muscle relaxants

N

- Neuroleptics
- Non-opioid analgesics

O

- Opioid analgesics

P

- Positive inotropes
- Proton pump inhibitors

R

- Recreational drugs
- Respiratory stimulants
- Reversal agents

S

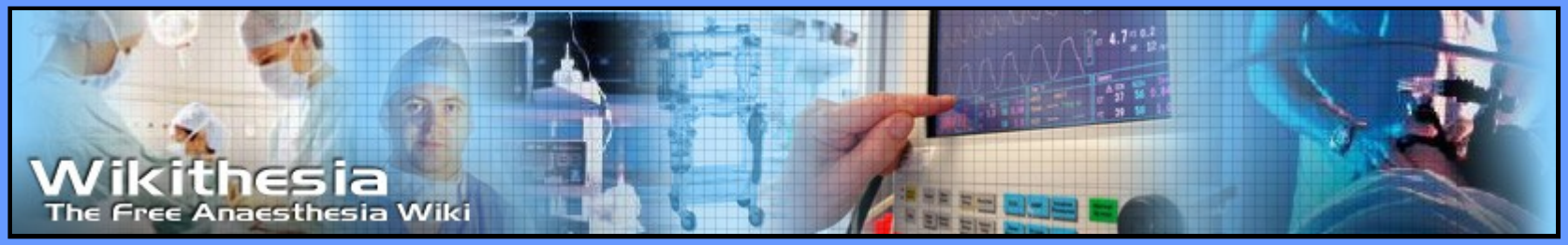
- Sympathomimetics

T

- Tocolytics

V

- Vasodilators
- Vasopressors



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Category:Opioid analgesics

Agonists at opioid receptors

Opioid receptors

[edit]

G-protein coupled Located in central nervous system and gastrointestinal tract. Subdivided into 3 groups

- OP1 delta
- OP2 kappa
- OP3 mu

Articles in category "Opioid analgesics"

There are 11 articles in this category.

A
- Alfentanil

B
- Buprenorphine

C
- Codeine

D
- Diamorphine

F
- Fentanyl

M
- Morphine

N
- Nalbuphine

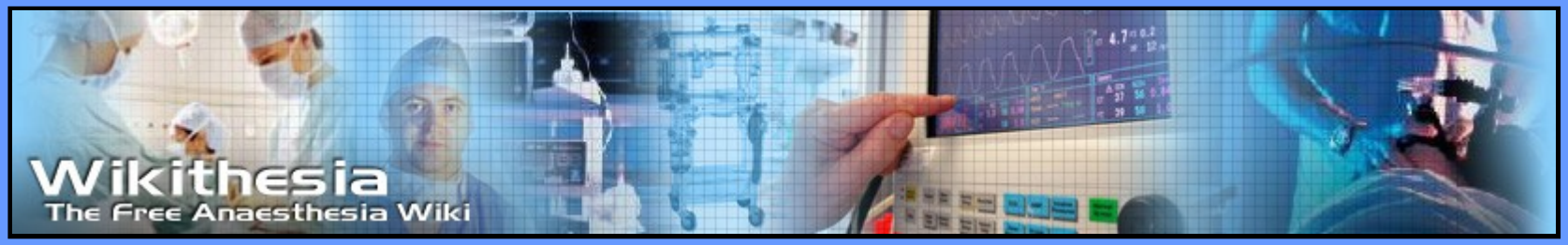
P
- Pethidine

R
- Remifentanil

S
- Sufentanil

T
- Tramadol

Category: Pharmacology



Tramadol

[edit]

Opioid analgesic

Therapeutic Uses

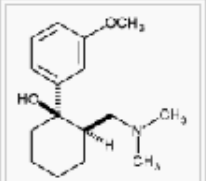
[edit]

- Analgesic for moderate to severe pain

Chemical

[edit]

Synthetic opioid. Racemic mixture of 2 enantiomers



Tramadol chemical structure

Presentation

[edit]

Clear colourless solution 50mg/ml for intravenous or intramuscular injection. Sachets or capsules 50mg

Mechanism of Action

[edit]

Centrally acting non-selective agonist of mu, delta and kappa opioid receptors. It has higher affinity for mu. It also inhibits neuronal reuptake of norepinephrine and enhances serotonin release which may enhance analgesia.

Administration

[edit]

Usual dose is 50-100mg 4-6 hourly. Maximum daily dose 600mg. Intravenous injections administered slowly over 2-3 minutes. Post-operative analgesia initial bolus of 100mg followed by further 50mg at 10-20 minute intervals. Not recommended for children under 12 years old.

Adverse/Side Effects

[edit]

Cardiorespiratory

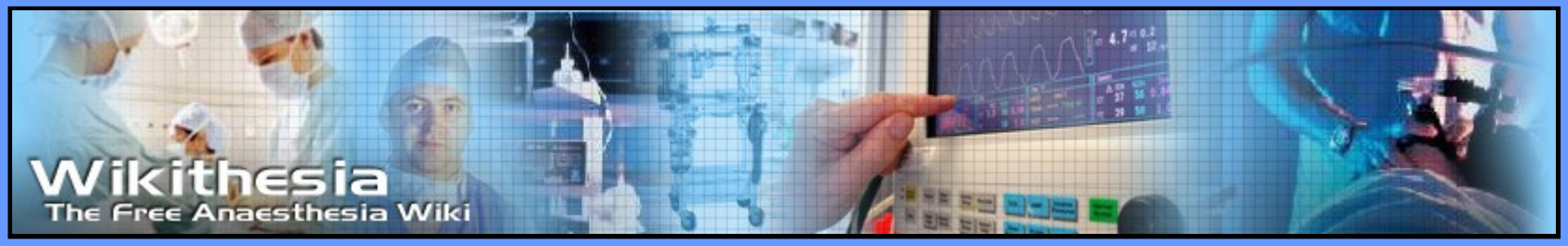
[edit]

Postural hypotension, tachycardia and palpitations. May exacerbate asthma.

Central Nervous System

[edit]

Commonly associated with dizziness, headache, nausea. May also be associated with Paraesthesia, tremor, convulsions, blurred vision, hallucinations and nightmares



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- 1.3 Chemical
- 1.4 Presentation
- 1.5 Mechanism of Action
- 1.6 Administration
- 1.7 Adverse/Side Effects
  - 1.7.1 Cardiorespiratory
  - 1.7.2 Central Nervous System
  - 1.7.3 Other
- 1.8 Interactions
- 1.9 Contraindications
- 1.10 Overdose
- 1.11 Kinetics
  - 1.11.1 Absorption
  - 1.11.2 Distribution
  - 1.11.3 Metabolism
  - 1.11.4 Excretion
- 1.12 Additional Points of Special Interest
  - 1.12.1 Pregnancy and lactation
  - 1.12.2 Contributors
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Template:Disease

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- 1.1 Surgical objective
- 1.2 Patient characteristics
- 1.3 Mortality/Morbidity

2 Anaesthetic approach
- 2.1 Preoperative
  - 2.1.1 History
  - 2.1.2 Examination
  - 2.1.3 Investigations
  - 2.1.4 Treatment/optimisation
- 2.2 Perioperative
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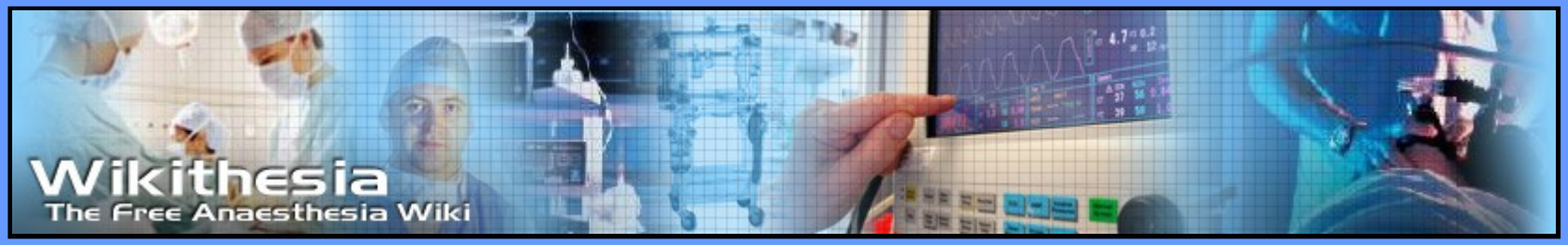
  - 2.2.2 Monitoring/Equipment
  - 2.2.3 Positioning
  - 2.2.4 Special points
- 2.3 Postoperative
  - 2.3.1 Level of care required
  - 2.3.2 Monitoring/investigations
- 2.4 References



Deploy

Wikithesia Summer Prize

Its the Summer and to celebrate the registration of our 5oth user we've launched a Summer Prize.

Running from today, 2nd June 2006 until the 1st August 2006.

Simply write an article for a subject/page and submit it to the site.

The best two contributions to the site during this period will be awarded 1st and 2nd prize respectively.

- 1st prize £50 Amazon gift voucher Physiology of pregnancy by Ramesh
- 2nd prize £25 Amazon gift voucher Temperature by Gowras

Congratulations to you both and many thanks once again to all of the contributions to the site

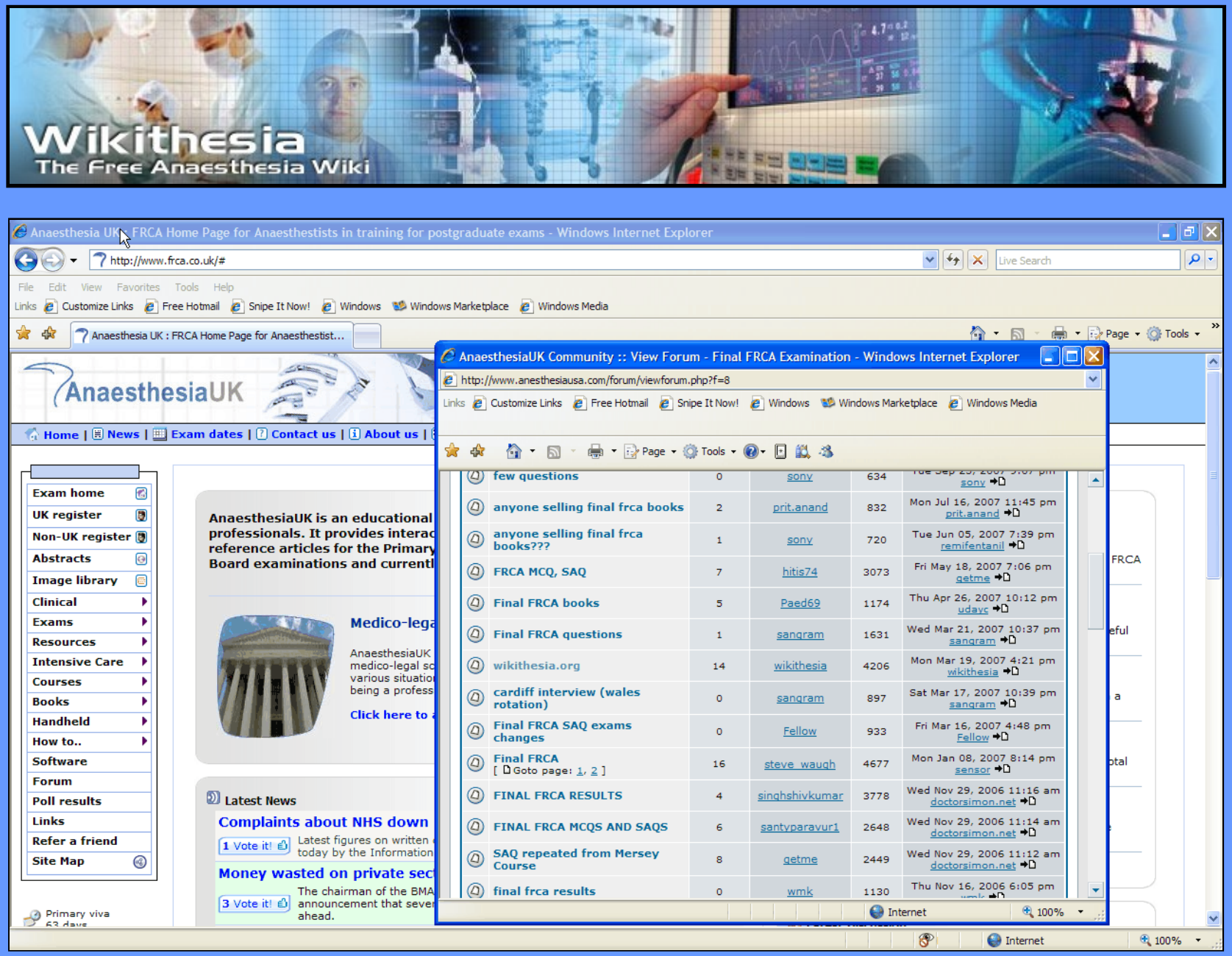
Spring Prize

2007 Spring Prize

- First prize Trigeminal neuralgia by Sathya
- Second prize Awareness by Drjagga

Congratulations to the winners of this year's spring prize.

Many thanks to all those that contributed in recent months to the site.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anyone selling final frca books??? 1 sony 720 Tue Jun 05, 2007 7:39 pm remifentanil
FRCA MCQ, SAQ 7 hitis74 3073 Fri May 18, 2007 7:06 pm getme
Final FRCA books 5 Paed69 1174 Thu Apr 26, 2007 10:12 pm udayc
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cardiff interview (wales rotation) 0 sangram 897 Sat Mar 17, 2007 10:39 pm sangram
Final FRCA SAQ exams changes 0 Fellow 933 Fri Mar 16, 2007 4:48 pm Fellow
Final FRCA [Goto page: 1, 2] 16 steve_waugh 4677 Mon Jan 08, 2007 8:14 pm sensor
FINAL FRCA RESULTS 4 singhshivkumar 3778 Wed Nov 29, 2006 11:16 am doctorsimon.net
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SAQ repeated from Mersey Course 8 getme 2449 Wed Nov 29, 2006 11:12 am doctorsimon.net
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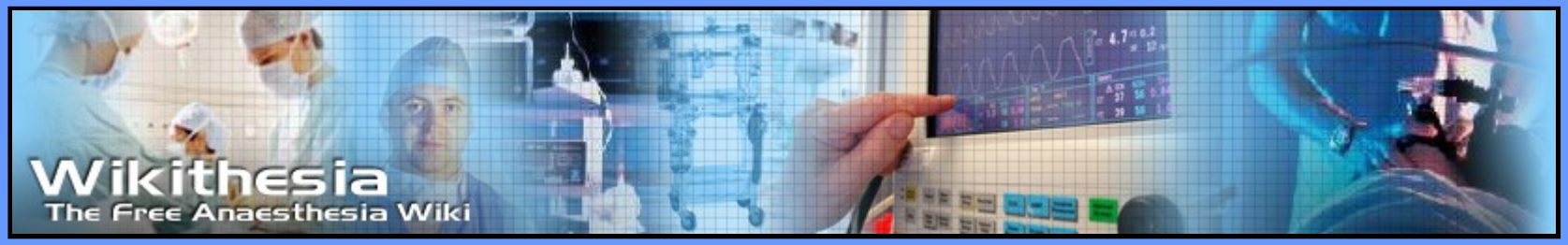
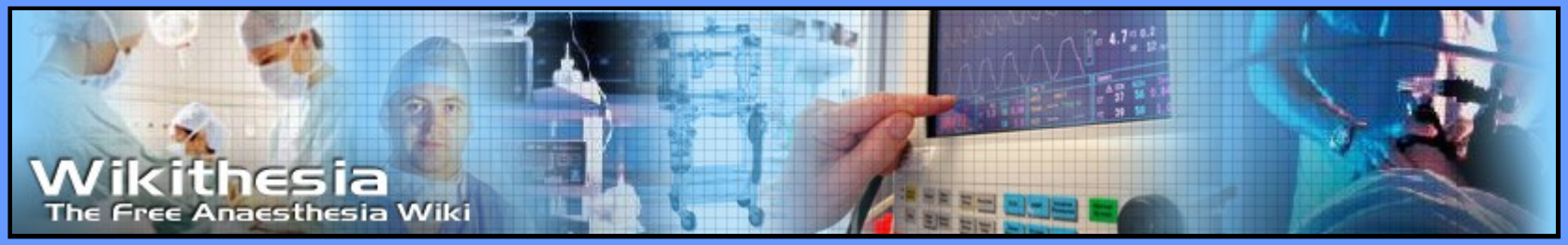


Results

- Addition of bulletin board
- Increasing awareness and membership
- Increasing contributions
- Massive project



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User Name ••••••• GO

Wikithesia article threads

Forum	Topics	Replies	Last Post Info
Wiki discussions	1	0	Nov 11 2007, 03:12 PM **In:** Wiki: Main Page **By:** Testuser

Preparing for the FRCA examinations

Forum	Topics	Replies	Last Post Info
Primary FRCA examination *Forum Led by: Root Admin*	1	1	Jan 31 2007, 10:40 PM **In:** Example questions from actual ... **By:** admin
Final FRCA examination *Forum Led by: Root Admin*	1	3	Mar 9 2007, 04:43 PM **In:** What books and where to start? **By:** manoj

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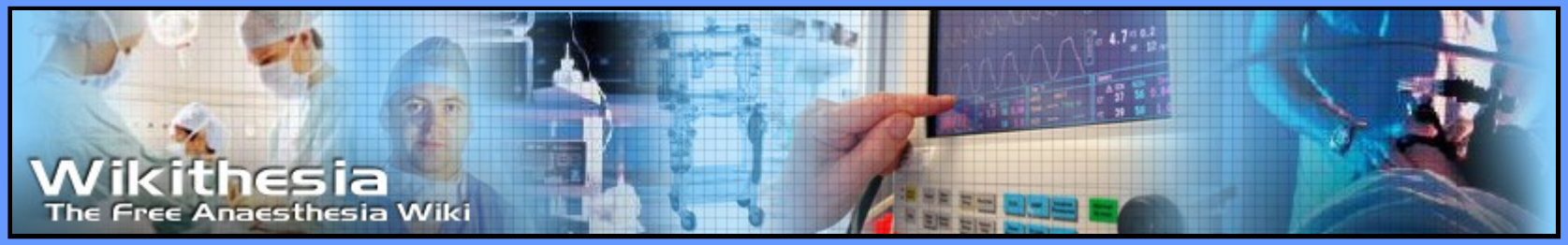
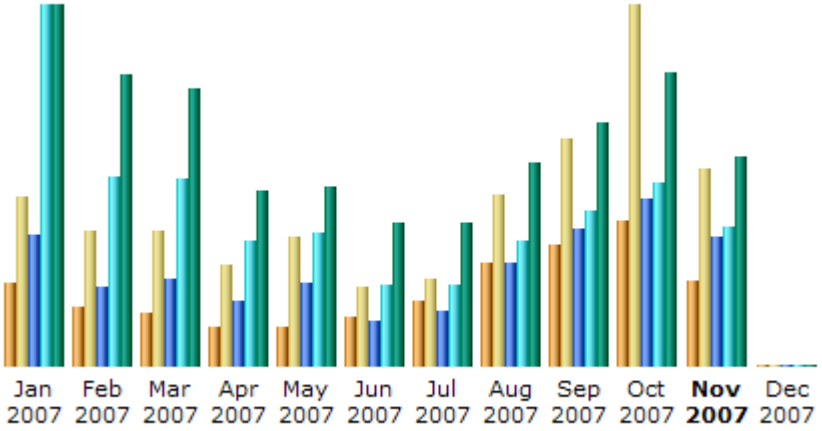
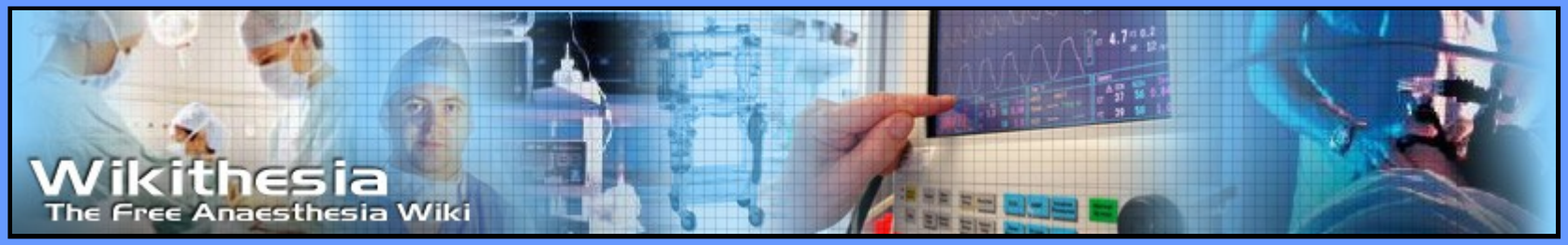


Monthly history



Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2007	668	1363	13603	37443	180.87 MB
Feb 2007	469	1084	8180	19714	146.62 MB
Mar 2007	421	1078	8950	19459	139.30 MB
Apr 2007	307	813	6722	13026	88.08 MB
May 2007	319	1043	8647	13736	89.93 MB
Jun 2007	392	637	4661	8430	71.50 MB
Jul 2007	514	702	5682	8455	72.11 MB
Aug 2007	832	1379	10808	12952	102.45 MB
Sep 2007	971	1824	14259	16179	122.55 MB
Oct 2007	1172	2890	17394	19035	147.13 MB
Nov 2007	681	1575	13319	14522	105.26 MB
Dec 2007	0	0	0	0	0
Total	6746	14388	112225	182951	1.24 GB



Diclofenac [edit]

Non-opioid analgesic [edit]

Uses [edit]

Chemical [edit]

Presentation [edit]

Mechanism of Action [edit]

Administration [edit]

Therapeutic Effects [edit]

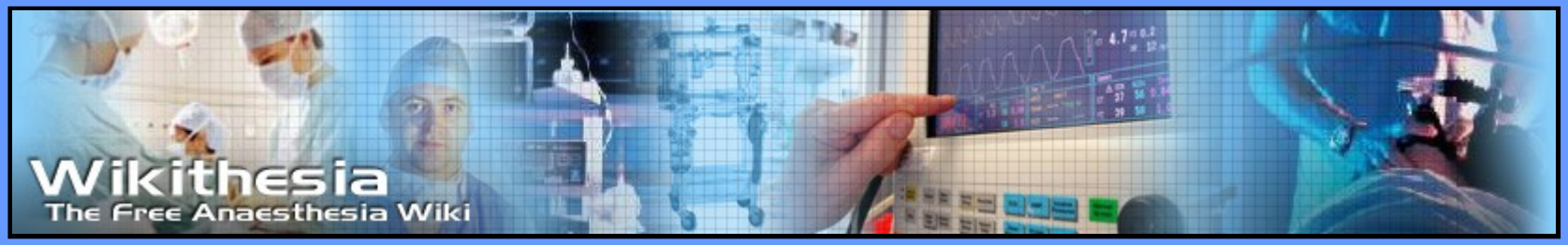
Adverse/Side Effects [edit]

Cardiorespiratory [edit]

Central Nervous System [edit]

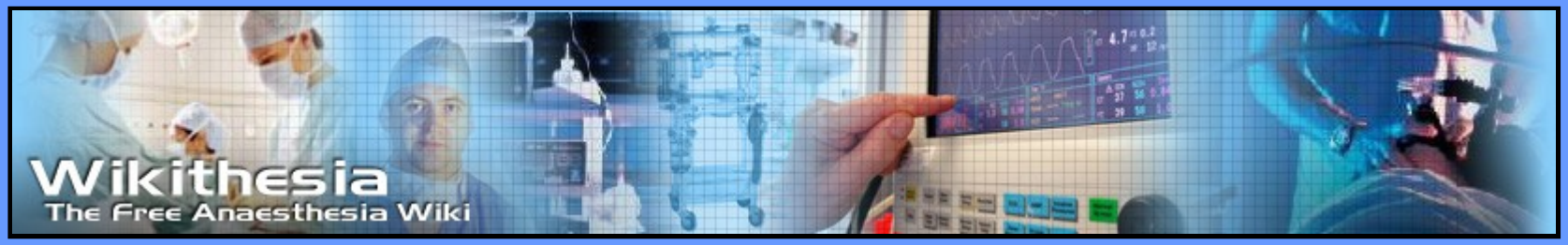
Other [edit]

Interactions [edit]



The Future

- Increased content
- MCQs
- Image library
- Oncopaedia.com



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From Oncopaedia

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- 1.1 Part 1
- 1.2 Part 2

2 Getting started

Welcome to ONCOPAEDIA

Part 1

- Cell biology
- Radiobiology
- Statistics
- Physics
- Pharmacology
- Pathology
  - Test yourself

Part 2

- Gynae
  - Ovary

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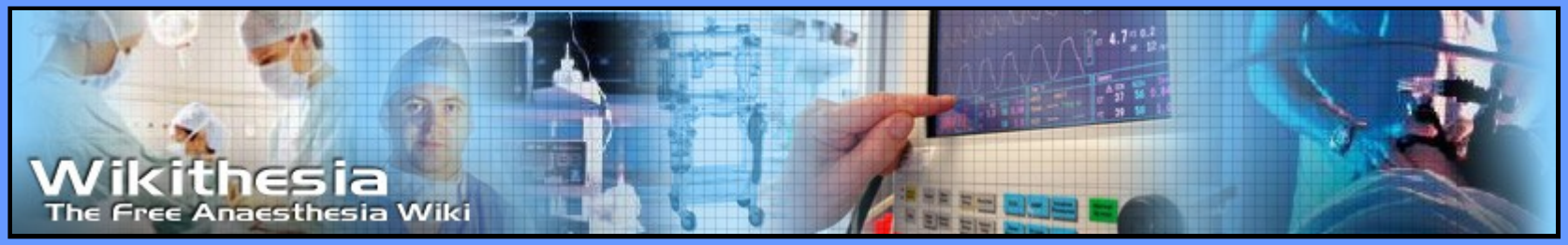

Conclusion

Wikithesia is a powerful online resource for anaesthetists in training

It has the potential to become the online encyclopaedia for anaesthesia in the UK

A WORK IN PROGRESS…