

Congratulations and welcome to Anaesthetic Training. This document contains some of the common resources used for study during both introductory and basic training. It is not an exhaustive list, and everybody will pitch in with their recommended texts. This can be overwhelming early in training but hopefully this document will map out some resources more commonly encountered. Views regarding these resources are my own.



ANZCA Library

Nearly all textbooks you need are available online at the ANZCA library. This includes all recommended texts for the Primary Examination. If ebooks are not available, the library will deliver the textbook to your hospital as requested.

Available: Online via ANZCA

<http://libguides.anzca.edu.au/primary/readlist>

Introductory Training

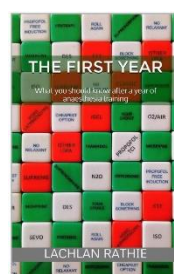


ANZCA Curriculum Document

Introductory training has a limited number of learning outcomes that are easily manageable and listed in the IT portion of the curriculum document. All the questions in the IAAC will be sourced from these learning objectives.

Available: Online via ANZCA

<http://www.anzca.edu.au/documents/anaesthesia-training-program-curriculum.pdf>



The First Year (Lachlan Rathie)

Very easy to read book that covers topics that you would be expected to know by the end of Introductory Training. Good introduction to some fundamental pharmacology that will be expected early on in training.

Available: Online for free – search in google for free pdf

<https://accessanaesthesia.files.wordpress.com/2018/04/the-first-year-what-you-should-know-after-a-year-of-anaesthesia-training.pdf>



Drs Podcast

While produced in the UK for preparation for their Anaesthetic Part 1 exam, the curriculum bares many similarities to ours making this an important resource for pharmacology / physiology / basic sciences / equipment. It is relevant throughout IT / BT and a good resource for exam preparation.

Available: Online ~\$145.00

<https://drpodcast.co.uk/collections/anaesthetic-podcasts>

The curriculum document should provide a good guide to the topics that need to be covered in preparation for the IAAC. Some of the resources included in the Basic Training section below will be useful to cover these learning objectives.

Basic Training

Unlike Introductory training, the Basic Training curriculum is massive and much harder to navigate. Fortunately, a document produced by a previous chief examiner called “The Primer” provides an excellent guide to plan your study without ever having to read the actual BT section of the official curriculum document.

Essential resources

A Primer for the Primary FANZCA examination

Mark Reeves 2018

This primer is provided as a guide to help you to plan your study of the curriculum. It is not intended to be a substitute for the curriculum itself. The author is not responsible for any errors or omissions in this primer. The author is not responsible for any damage to your computer or data. The author is not responsible for any loss of income or other financial loss. The author is not responsible for any legal liability. The author is not responsible for any other loss or damage. The author is not responsible for any other loss or damage.

“The Primer” A Primer for the primary FANZCA examination (Mark Reeves)

The ultimate guide to preparing for the Primary Exam that breaks down the curriculum into more edible portions. It also contains a reference as to how examiners rate each learning objective in terms of importance. Suggestions for resources and texts for each topic are provided as well as links to true/false questions to test knowledge.

Available: Online for free – via primary LO

<https://primarydailylo.wordpress.com/2018/03/09/a-primer-for-the-primary-examination/>



Primary LO of the day

An online resource produced by examiners that covers a different learning objective from the curriculum each day with associated true / false statements to test knowledge. Sign up for free early in training to receive daily emails covering different parts of the curriculum.

Available: Online for free

<https://primarydailylo.wordpress.com/>



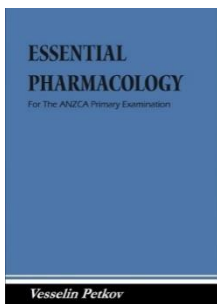
MAK95

Desktop application that can be purchased online that contains all the Black Bank MCQs, past SAQs with suggested or model answers. It can also be used to set up a study plan and tick off your progress through the curriculum.

Available: Online \$130.00

<https://www.mak95.com/>

Pharmacology

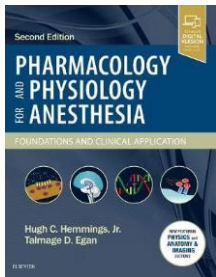


Essential Pharmacology for the ANZCA Primary Examination (Vesselin Petkov)

An outstanding pharmacology textbook that covers all drugs you need to know for the primary exam. Small, concise and straight to the point. Would highly recommend purchasing this book as it is not available via the library and is not in the recommended texts.

Available: Email the author (Dr V Petkov) directly at vanves99@gmail.com (\$75.00)

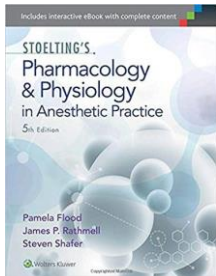
An ebook form is available via Dymocks but their mobile app is very chunky



Pharmacology and physiology for Anesthesia (Hemmings and Egan)

This is an outstanding text and referenced heavily throughout the primer. It covers the curriculum very well especially with regards to pharmacology. A new version was recently release. Highly recommend this textbook.

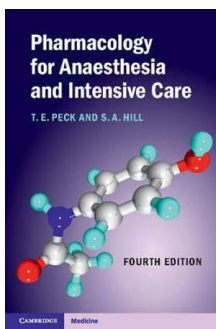
Available: ANZCA Library (ebook)



Pharmacology and Physiology for Anesthetic Practice (Stoelting)

Provides an excellent in depth look at anaesthetic pharmacology but also has some chapters that also have good physiology coverage. Some people find this text overwhelming as some chapters are very very very detailed.

Available: ANZCA Library (ebook)



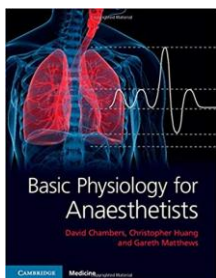
Pharmacology for Anaesthesia and Intensive Care (Peck and Hill)

This book provides a very basic overview of pharmacology relevant to anaesthesia. Some people think it is great, others not so much – I fall into the latter camp. It does provide a good overview of anaesthetic pharmacology, but you will likely need to delve deeper to pass the primary. It may be a good reference to review during IT.

Available: ANZCA Library (ebook)

General Physiology

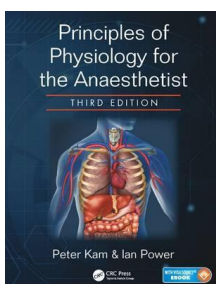
Physiology learning objectives can be covered by reference to general and topic specific texts (this is especially important for topics such as respiratory and cardiology).



Basic Physiology for Anaesthetists (Chamber)

This is not a text listed on the primary exam reading list, however, you would be a mad person not to read this book. Chapters are short and easy to read with graphs that are easily reproducible and useful to understand for the primary. This would be a good physiology text to read from an early stage all the way up to the vivas.

Available: ANZCA Library (ebook)



Principles of Physiology for the Anaesthetist (Power and Kam)

Not the best book going around but similarly to the pharmacology book Peck and Hill, some people rave about it. It does provide some coverage of some of the more exotic learning objectives – e.g., the immunology chapter discusses transplantation and rejection.

Available: ANZCA Library (ebook)

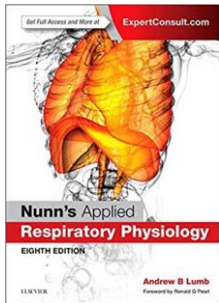
Deranged Physiology (Alex Yartsev)

Produced by a Westmead Intensivist – this site is aimed at ICU trainees sitting their part 1 and final exams. They have a similar primary curriculum in many respects making Deranged Physiology an excellent reference for many physiology pharmacology and equipment topics. The site takes some time to learn how to navigate but overall it is difficult to fault this reference

Available: Online for free

<https://derangedphysiology.com/main/home>

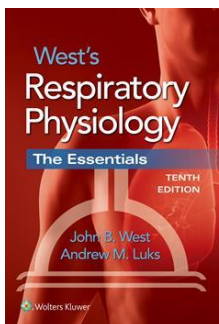
Respiratory



Nunn's Applied Respiratory Physiology (Lumb)

Very comprehensive and in depth look at respiratory physiology. The first eight or so chapters cover majority of the extensive list of respiratory learning objectives. Consider reading West's prior, as Nunn's is far more in depth. It takes 2-3 reads per chapter to fully understand the content but rewarding once you do get a grasp of the material.

Available: ANZCA Library (ebook)



West's Respiratory Physiology (West)

A staple book to read and you will need to understand its content from cover to cover in preparation for the primary exam. It is easy to read, and you can finish it in its entirety during a one-way international flight.

Available: Unfortunately, it is unavailable on the ANZCA library as an ebook but probably worth purchasing (\$65-90)

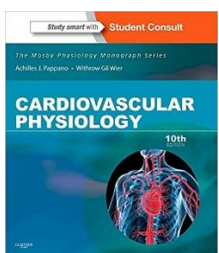


West's Respiratory Physiology Lecture Series

John West has published a series of lectures that cover all the chapters of his iconic book. Would highly recommend watching these just to get involved in his passion for the lungs. The applied physiology lecture on altitude is interesting and mildly entertaining.

Available: Free on Youtube

Cardiology

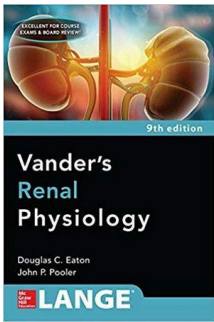


Cardiovascular Physiology (Pappano)

Easy to read text that provides good coverage of all cardiovascular physiology learning objectives. It provides a good explanation behind some of the more difficult to understand concepts such as cardiac function and venous return curves.

Available: ANZCA Library (ebook)

Renal

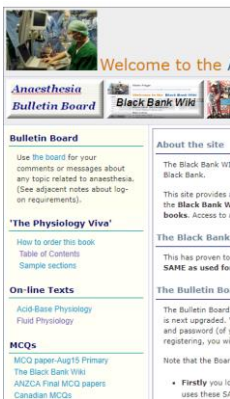


Renal Physiology (Vanders)

Most people sitting the primary would have used Vanders to cover renal physiology. While general physiology texts do provide a good overview of renal physiology, Vander's goes more in depth but remains concise and an easy to read text.

Available: ANZCA Library (ebook)

Acid Base and Fluids



Anaesthesia MCQ – Kerry Brandis

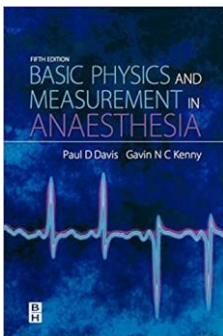
Two online textbooks on acid-base physiology and fluids/electrolytes – two topics that are poorly covered in most texts. Anaesthesia MCQ is home of the Black Bank but also has two online textbooks written by Kerry Brandis. Alternatively, Brandis also produces a text called 'The Physiology Viva' that is considered somewhat controversial due to the lack of referencing but nonetheless provides a detailed look at both core and non-core physiology topics. Overall, his texts are most useful for coverage of acid-base and fluid physiology.

Available: Online (free)

<http://www.anaesthesiamcq.com/>

Equipment and basic science

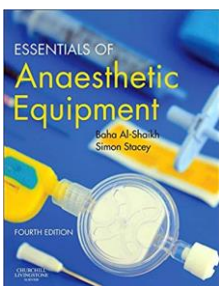
Overall, there is no single reference that covers all the learning objectives for equipment or basic sciences. This topic is massive and numerous references should be use.



Basic physics and measurement in anaesthesia (Davis and Kenny)

Easy to read and good coverage of important basic sciences and physics relevant to anaesthetics. Provides good explanations of how anaesthetic equipment works, although sometimes focuses too much on historic pieces of machinery. This book is listed on the recommended texts for the primary.

Available: Unfortunately, no eBook is available on ANZCA library, but they can send a hard copy on request.



Essentials of anaesthetic equipment (Shaikh)

This book is on the recommended reading list for the ANZCA primary, but I am not entirely sure why. It is far too basic for most equipment learning objective. It may be useful early in training, but you will need more depth to pass the primary exam.

Available: Unfortunately, no eBook is available on ANZCA library, but they can send a hard copy on request.

Equipment in Anaesthesia and Critical Care

A complete guide for the FRCA



Daniel Aston
Angus Rivers
Amita Choudhary

Equipment in Anaesthesia and Critical Care (Aston and Rivers)

This is a UK book that is not on the ANZCA primary reading list but provides a good balance of basic science with explanations as to how equipment works and the common problems associated with its use.

Available: Not on ANZCA library. Costs \$75.00 online

Anaesthetic Equipment

Safety, Physics & Measurement

Notes for FANZCA

Fred Rosewarne

Anaesthetic Equipment: Safety, Physics and Measurement (Rosewarne)

This is an outstanding reference especially for trainees with limited background knowledge in physics and chemistry. It is available free online with a link in the Primer. It has a few chapters that are not yet complete but continues to be updated as the author completes further chapters.

Available: Free online (link is found in the primer)

<https://drive.google.com/file/d/1La4sv7IZoNNBxpLI5meA8dzxDSdrXqFT/view>

How Equipment Works

An online resource that is set out as an anaesthetic equipment for dummies. It provides an excellent reference for explaining how commonly used equipment works as well as has a good section covering electricity and electrical safety. This is the place to go if your basic physics knowledge is lacking and need simple pictures with simple explanations to understand equipment.

Available: Online for free

<https://www.howequipmentworks.com/>

