



# RUSTY PILLS 1 SEMINAR

## APPLIED PHARMACOLOGY REFRESHER

**Location:** Brisbane - 25-26 March 2025

**COST:** \$595.00

Payment plans available

**CPD:** 14

PRESENTED BY ROB TIMMINGS

**TIME:** 8:30AM – 4:30PM

### Two-day seminar – fully catered

Are you a paramedic, nurse or nursing student who never has time to wade through the textbooks to find out what that drug or this drug is? Doing a pill round can be daunting given the fact that you are expected to understand the drugs that you are giving.

Sometimes patients arrive with a bag of pills, or an ice cream container of medications from which you need to record in their medical history. So, ask yourself... Can my medication knowledge and skills be improved upon?

Content includes:

- Understanding concepts like half-life, bioavailability and the metabolism of certain drugs
- Antiplatelet agents like Aspirin and the role they play
- Heart Disease, Hypertension and the common drugs used
- Renal and Hepatic failure drugs and much more...

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Times	Day One Program	
8:30	Pharmacokinetics vs Pharmacodynamics	<ul style="list-style-type: none"> <li>Refreshing your understanding of half-life</li> <li>Bioavailability</li> <li>Metabolism and Elimination of drugs</li> <li>What is a Pro-drug?</li> </ul>
Morning Tea		
	Anti-infectives and immune function	<ul style="list-style-type: none"> <li>Basic immunology overview and understanding fever</li> <li>Vaccination and how it all works</li> <li>Understanding the differences between different antibiotics.</li> <li>Anti-viral medications, their role and action</li> <li>Topical agents – silver, sulphur, Chlorhexidine, alcohol</li> </ul>
Lunch		
	Pain killers	<ul style="list-style-type: none"> <li>Understanding inflammation and where pain fits in</li> <li>Opioids and other narcotics</li> <li>Paracetamol</li> <li>NSAIDs (Non-steroidal anti-inflammatories)</li> </ul>
	Drug therapy use in acute cardiac events – MI and Angina	<ul style="list-style-type: none"> <li>Pathophysiology of MI/angina</li> <li>Role of oxygen in cardiac events</li> <li>Glyceryl Trinitrate and anti-anginals</li> <li>Blood thinners just aren't! Understanding coagulation, anticoagulation and the old and new anti-platelet agents.</li> <li>Thrombolysis and the role of Tenecteplase in MI</li> </ul>
	Heart Disease, Hypertension and the common drugs used	<ul style="list-style-type: none"> <li>Overview of BP control normal physiology</li> <li>Antihypertensive medications- action and differences</li> <li>What is inotropy and how do inotropic agents work</li> </ul>
16:30	Finish	

Times	Day Two Program	
8:30	Common medications used in Renal disease	<ul style="list-style-type: none"> <li>eGFR and basic function of the nephron</li> <li>Phosphate inhibitors</li> <li>Calcium and other electrolytes</li> <li>Diuretics</li> </ul>
Morning Tea		
	Diabetes and glucose regulation	<ul style="list-style-type: none"> <li>Oral hypoglycaemic's</li> <li>Insulins and how they differ</li> <li>Glucagon</li> </ul>
Lunch		
	Respiratory disease and medication support	<ul style="list-style-type: none"> <li>Physiology of Asthma and Emphysema</li> <li>Understanding Beta-Adrenergic receptors</li> <li>What puffer is that?</li> <li>Relievers (symptom controllers, SABAs and Anticholinergics)</li> <li>Preventers (steroids and other preventer medications)</li> </ul>
	Sedatives used in psychiatry and aged care	<ul style="list-style-type: none"> <li>Haloperidol and droperidol</li> <li>Phenothiazines</li> <li>Antidepressant medications</li> </ul>
	Nausea and vomiting	<ul style="list-style-type: none"> <li>Antiemetic medications – Metoclopramide, Ondansetron and Phenothiazine's</li> </ul>
16:30	Finish	

N.B. Please note that this timetable is indicative only and is subject to change.