

**Supplementary Table : Low-value, questionable clinical activities included in the QQuestionable In Training Clinical Activities (QUIT-CA) index\***

	Recommendation	Clinical outcome	Inclusions/duplications
Royal Australian College of General Practitioners	Don't order chest x-rays in patients with uncomplicated acute bronchitis.	Imaging	nil
Royal Australasian College of Physicians Paediatrics & Child Health Division Council	Do not routinely order abdominal X-rays for the diagnosis of non-specific abdominal pain in children	Imaging	<18yrs
Royal Australasian College of Physicians Paediatrics & Child Health Division^	Do not routinely undertake chest X-rays for the diagnosis of bronchiolitis in children [or routinely prescribe salbutamol or systemic corticosteroids to treat bronchiolitis in children]	Imaging	<3yrs
The Endocrine Society of Australia	Don't routinely order a thyroid ultrasound in patients with abnormal thyroid function tests if there is no palpable abnormality of the thyroid gland.	Imaging	nil
Royal Australasian College of Physicians Paediatrics & Child Health Division Council	Do not routinely order chest X-rays for the diagnosis of asthma in children	Imaging	<18yrs
Australasian Faculty of Occupational and Environmental Medicine	Do not request low back X-rays or other forms of low back imaging as part of a routine preplacement medical examination.	Imaging	nil
The Australian Physiotherapy Association	Don't request imaging for patients with non-specific low back pain and no indicators of a serious cause for low back pain.	Imaging	< 50yrs Some problems restricted to continuing problems Five recommendations
The Royal Australian and New Zealand College of Radiologists	Don't perform imaging for patients with non-specific acute low back pain and no indicators of a serious cause for low back pain.		
Australasian Faculty of Occupational and Environmental Medicine	Do not order X-rays or other imaging for acute non-specific low back pain, unless there are red flags or other clinical reasons to suspect serious spinal pathology.		
Australasian Faculty of Rehabilitation Medicine	Do not use imaging for diagnosing non-specific acute low back pain in the absence of red flags.		

Australian Rheumatology Association	Do not undertake imaging for low back pain in patients without indications of a serious underlying condition.		
The Australia and New Zealand Child Neurology Society	Do not routinely perform electroencephalographs (EEGs) for children presenting with febrile seizures.	Imaging	<18yrs
The Australia and New Zealand Child Neurology Society	Do not routinely perform computed tomography (CT) scanning of children presenting with new onset seizures.	Imaging	<18yrs New problem
The Australia and New Zealand Child Neurology Society	Do not routinely perform electroencephalographs (EEGs) for children presenting with syncope (fainting).	Imaging	<18yrs
Australasian Faculty of Occupational and Environmental Medicine	Do not repeat chest X-rays when screening asbestos-exposed workers unless clinically indicated.	Imaging	Old problem
Royal Australasian College of Surgeons	Don't order computed tomography (CT) scan of the head/brain for sudden hearing loss.	Imaging	New problem
Royal Australasian College of Surgeons	Do not use ultrasound for the further investigation of clinically apparent groin hernias. Ultrasound should not be used as a justification for repair of hernias that are not clinically apparent.	Imaging	nil
Royal Australasian College of Surgeons	Don't routinely obtain radiographic imaging for patients who meet diagnostic criteria for uncomplicated acute rhinosinusitis.	Imaging	New problem
Australian and New Zealand Association of Neurologists  Internal Medicine Society of Australia and New Zealand	Don't perform imaging of the carotid arteries for simple faints.  Don't request Holter monitoring, carotid duplex scans, echocardiography, electroencephalograms (EEGs) or telemetry in patients with first presentation of uncomplicated syncope and no high risk features.	Imaging	Two recommendations
Australian and New Zealand Association of Neurologists	Don't perform imaging of the brain for non-acute primary headache disorders.	Imaging	Old problem
The Thoracic Society of Australia and New Zealand	Do not prescribe antibiotics for exacerbation of asthma.	Medication	nil
Royal Australasian College of Physicians Paediatrics & Child Health Division	Do not routinely treat gastroesophageal reflux disease (GORD) in infants with acid suppression therapy.	Medication	<12months

Royal Australasian College of Physicians Paediatrics & Child Health Division^	Do not [routinely undertake chest X-rays for the diagnosis of bronchiolitis in children or] routinely prescribe salbutamol or systemic corticosteroids to treat bronchiolitis in children	Medication	<3yrs
Royal Australasian College of Physicians Paediatrics & Child Health Division	Do not routinely prescribe oral antibiotics to children with fever without an identified bacterial infection	Medication	<18yrs Oral medication
College of Intensive Care Medicine of Australia and New Zealand	Avoid prescribing antibiotics for upper respiratory tract infection.	Medication	nil
The Thoracic Society of Australia and New Zealand	Do not use oral beta2 agonists as bronchodilators in asthma, wheeze or bronchiolitis.	Medication	Oral medication
The Society of Hospital Pharmacists of Australia	Don't initiate and continue antipsychotic medicines for behavioural and psychological symptoms of dementia for more than 3 months.		Continuing medication Two recommendations
Australian and New Zealand Society for Geriatric Medicine	Do not use antipsychotics as the first choice to treat behavioural and psychological symptoms of dementia.	Medication	
Australian and New Zealand Society for Geriatric Medicine	Do not prescribe benzodiazepines or other sedative-hypnotics to older adults as first choice for insomnia, agitation or delirium.	Medication	≥65yrs
Australian and New Zealand Association of Neurologists	Don't use opioids for the treatment of migraine, except in rare circumstances.	Medication	nil
Faculty of Pain Medicine, ANZCA	Do not prescribe benzodiazepines for low back pain.	Medication	nil
The Australasian College of Dermatologists	Do not routinely prescribe antibiotics for inflamed epidermoid cysts (formerly called sebaceous cysts) of the skin.	Medication	nil
Royal Australasian College of Surgeons	Don't prescribe oral antibiotics for uncomplicated acute otitis externa.	Medication	New problem Oral medication
Royal Australian College of General Practitioners	Don't treat otitis media (middle ear infection) with antibiotics, in non-Indigenous children aged 2-12 years, where reassessment is a reasonable option.	Medication	New problem Non-Indigenous 2-12yrs Major city and Inner regional practices
Australasian Society of Clinical Immunology and Allergy	Don't use antihistamines to treat anaphylaxis – prompt administration of adrenaline (epinephrine) is the only treatment for anaphylaxis.	Medication	nil

Australasian Society for Infectious Diseases^	Do not [take a swab or] use antibiotics for the management of a leg ulcer without clinical infection.	Medication	nil
Faculty of Pain Medicine, ANZCA	Avoid prescribing pregabalin and gabapentin for pain which does not fulfil the criteria for neuropathic pain	Medication	nil
Australasian Society for Infectious Diseases	Do not use antimicrobials to treat bacteriuria in older adults where specific urinary tract symptoms are not present.	Medication	>65yrs
The Endocrine Society of Australia	Don't prescribe testosterone therapy unless there is evidence of proven testosterone deficiency.	Medication	nil
The Royal College of Pathologists of Australasia	Do not perform population based screening for Vitamin D deficiency.	Pathology	nil
Australasian Society for Infectious Diseases	Do not investigate or treat for faecal pathogens in the absence of diarrhoea or other gastro-intestinal symptoms.	Pathology	nil
Society of Obstetric Medicine of Australia and New Zealand	Do not measure erythrocyte sedimentation rate (ESR) in pregnancy	Pathology	nil
Society of Obstetric Medicine of Australia and New Zealand	Do not do repeat testing for proteinuria in established pre-eclampsia	Pathology	Old problem
The Royal College of Pathologists of Australasia	Restrict the use of serum tumour marker tests to the monitoring of a cancer known to produce these markers or where there is a strong known underlying predisposition or suspicion.	Pathology	nil
Royal Australian College of General Practitioners	Don't test thyroid function as population screening for asymptomatic patients.	Pathology	nil
Australasian Society for Infectious Diseases^	Do not take a swab [or use antibiotics for the management] of a leg ulcer without clinical infection.	Pathology	nil
Australasian Society for Infectious Diseases	In a patient with fatigue, avoid performing multiple serological investigations, without a clinical indication or relevant epidemiology.	Pathology	More than three tests for fatigue problem
Australian Rheumatology Association	Do not order antinuclear antibody (ANA) testing without symptoms and/or signs suggestive of a systemic rheumatic disease.	Pathology	nil
The Royal College of Pathologists of Australasia	Do not perform surveillance urine cultures or treat bacteriuria in elderly patients in the absence of symptoms or signs of infection.	Pathology	>65yrs

Australasian Chapter of Sexual Health Medicine	Do not order herpes serology tests unless there is a clear clinical indication.	Pathology	nil
The Endocrine Society of Australia	Don't order a total or free T3 level when assessing thyroxine dose in hypothyroid patients.	Pathology	nil
The Endocrine Society of Australia	Do not measure insulin concentration in the fasting state or during an oral glucose tolerance test to assess insulin sensitivity.	Pathology	nil
Gastroenterological Society of Australia	Do not undertake faecal occult blood testing in patients who report rectal bleeding, or require investigation for iron deficiency or gastrointestinal symptoms	Pathology	nil
Australian Rheumatology Association	Do not use ultrasound guidance to perform injections into the subacromial space as it provides no additional benefit in comparison to landmark-guided injection.	Referral (to radiologist)	nil

\* Derived from items in the Choosing Wisely Australia Recommendations 'Tests, treatments, and procedures for healthcare providers and consumers to question' (<https://www.choosingwisely.org.au/recommendations>)

^ These recommendations contain two distinct clinical activities relating to the same recommendation