



SHOULDER INJECTION TRAINER RANGE

70200 70219 PALPATION GUIDED

The accompanying android app allows learners and teachers to visualise the underlying anatomy, as well as clearly signalling success.



70202 70221 ULTRASOUND GUIDED

Caters for ultrasound guided techniques, as well as allowing injection and aspiration of fluids under ultrasound.



Learning has never been more lifelike

limbsandthings.com

PALPATION GUIDED

FEATURES:

REALISM

- Discrete muscle and skin layers for realistic needle feel

KEY FEATURES

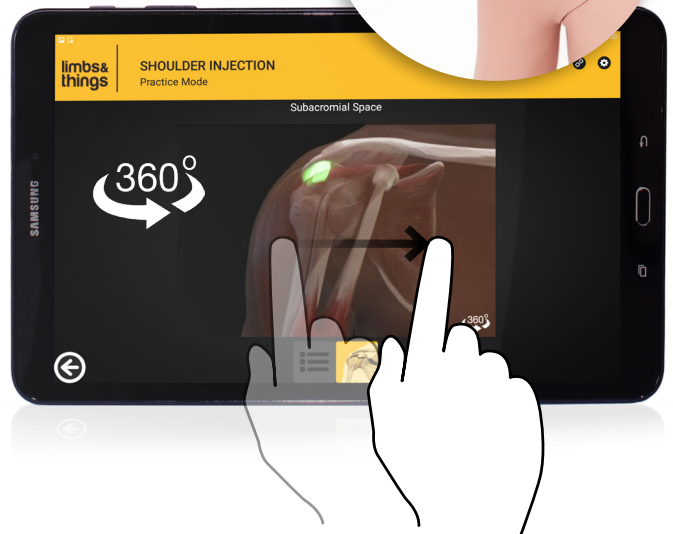
- Palpation to find the 4 most common injection sites
- Instant feedback for the trainee when a site is correctly located
- Injections from multiple approaches to allow for different preferences
- Suitable for postgraduate learning
- App features full 360-degree view of underlying anatomy and injection site to aid learning
- The app is available in 5 languages: English, Spanish, Mandarin, French and German
- Cost effective replacement skins

VERSATILITY

- Each skin can withstand up to 500 injections per site (x1 spare shoulder skin supplied)
- Simple Bluetooth connection between app and trainer
- Requires only a standard needle (supplied)
- Batteries (x2 AA supplied) last for up to 500 hours

SAFETY

- Latex free

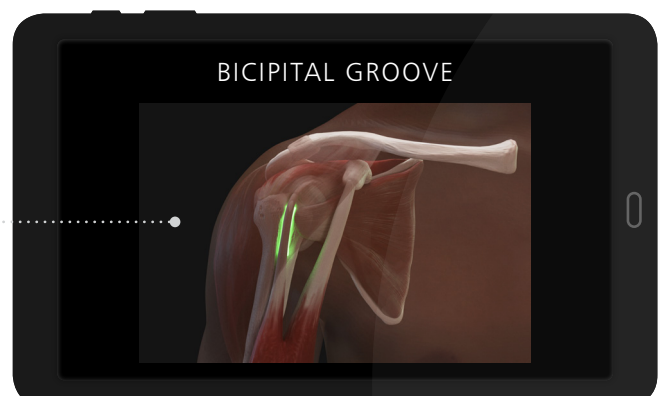


CONTAINS:

- Shoulder Module - Palpation Guided
- Shoulder Skin (x1 spare)
- Shoulder Torso
- Needle Set
- Android Tablet
- Elbow
- AA Batteries (x2)
- Carry Case

SKILLS:

- Practice multiple approaches to specific sites
- Identification of anatomical landmarks using palpation guidance
- 4 common injection sites:
 - Acromioclavicular Joint
 - Glenohumeral Joint
 - Bicipital Groove
 - Subacromial Space
- Rotation of the shoulder to locate head of the humerus



The application includes interactive shoulder anatomy and links to injection technique guides. Available as a free download on limbsandthings.com

ULTRASOUND GUIDED

FEATURES:

REALISM

- Innovative materials within the shoulder create close to life ultrasound images

KEY FEATURES

- Eco lucent materials visible under ultrasound, represent the key internal landmarks
- Successful injection can be confirmed by visualising fluid entering the site, or by aspirating fluid
- The quantity of fluid in the Subdeltoid Bursa can be adjusted, from no fluid present to a fluid-filled distension for differing skill levels
- Nerve block functionality - allows trainees to view and inject around the Suprascapular nerve

VERSATILITY

- Watertight and durable up to 400 injections per site
- Altering the size of the bursa allows trainers to change the level of difficulty of training (less fluid is more challenging to inject)
- Synovial fluid has a realistic colour

SAFETY

- Latex free



CONTAINS:

- **Shoulder Module - Ultrasound Guided**
- **Shoulder Torso**
- **Ultrasound Shoulder Filling Kit**
- **Needle Set**
- **Synovial Fluid (250ml)**
- **Elbow**
- **Carry Case**



SKILLS:

- Patient positioning and management
- Identification of anatomical landmarks using ultrasound guidance
- 4 common injection sites:
 - Acromioclavicular Joint
 - Glenohumeral Joint
 - Biceps Tendon Sheath (which lies in the Bicipital Groove and surrounds the tendon)
 - Subdeltoid Bursa (in the Subacromial Space)
- Competence using ultrasound technology to perform injections in different planes using different approaches
- View under ultrasound the suprascapular nerve

CORE MEDICAL TRAINING CMT 1-2

Specialty Training Curriculum for Core Medical Training, Joint Royal Colleges of Physicians Training Board, August 2009, p.92-93

SPECIALIST RHEUMATOLOGY TRAINEES

Specialty Training Curriculum for Rheumatology, Joint Royal Colleges of Physicians Training Board, 2010, p.24

SPECIALIST TRAUMA & ORTHOPAEDICS TRAINEES

Specialist Training in Trauma and Orthopaedics Curriculum, British Orthopaedic Association, 2015 (Updated 2018), p.43

SPECIALIST SPORT & EXERCISE MEDICINE TRAINEES

Specialty Training Curriculum for Sport and Exercise Medicine, Joint Royal Colleges of Physicians Training Board, 2010, p.34

GENERAL PRACTITIONER TRAINEES

The RCGP Curriculum: Professional & Clinical Modules, The Royal College of General Practitioners, 2016, p.327

CLINICAL RADIOLOGY TRAINEES*

Specialty Training Curriculum for Clinical Radiology, 2016, p.111

UNDERGRADUATE

Recommendations for Clinical Skills Curricula for Undergraduate Medical Education, Association of American Medical Colleges, 2008, Appendix B; Clinical Testing and Procedural Skills, p.26

FAMILY MEDICINE RESIDENCY

<http://mahec.net/?/residency-and-student-info/residency-program/family-medicine-asheville/our-curriculum>

GRADUATE MEDICAL EDUCATION IN PAIN MEDICINE

ACGME Program Requirements for Graduate Medical Education in Pain Medicine (Anesthesiology, Neurology, or Physical Medicine and Rehabilitation), Accreditation council for Graduate Medical Education, effective 2017, p.17

GRADUATE MEDICAL EDUCATION IN PHYSICAL MEDICINE AND REHABILITATION

ACGME Program Requirements for Graduate Medical Education in Physical Medicine and Rehabilitation, Accreditation council for Graduate Medical Education, effective 2017, p.17

*ACGME Case Log Entry System, Review Committee for Physical Medicine and Rehabilitation, 2014**

MUSCULOSKELETAL AND SPORTS MEDICINE

Musculoskeletal and Sports Medicine PM&R Curriculum Guidelines, American Academy of Medicine and Rehabilitation, p.5

GRADUATE MEDICAL EDUCATION IN ORTHOPAEDIC SURGERY

The Orthopaedic Surgery Milestones Project, A Joint Initiative of The Accreditation Council for Graduate Medical Education and The American Board of Orthopaedic Surgery, July 2015, p.35

RHEUMATOLOGY FELLOWS

Core Curriculum Outline, for Rheumatology Fellowship Programs, American College of Rheumatology, 2015, p 16 and p 85

GRADUATE MEDICAL EDUCATION IN MUSCULOSKELETAL RADIOLOGY*

ACGME Program Requirements for Graduate Medical Education in Musculoskeletal Radiology Accreditation council for Graduate Medical Education, effective 2017, p.2

NURSE PRACTITIONER (NP) AND PHYSICIAN ASSISTANT (PA) SPECIALISING IN RHEUMATOLOGY

Nurse Practitioner (NP) and Physician Assistant (PA) Rheumatology Curriculum Outline, American College of Rheumatology (ACR) and Association of Rheumatology Health Professionals (ARHP), 2017, p.8

PHYSICIAN ASSISTANT (PA) SPECIALISING IN ORTHOPAEDICS

PAs and OPAs, The Distinctions, American Academy of Pas, 2016, p.5

UNDERGRADUATE

University of Otago Clinical Skills in the Undergraduate Medical Curriculum, 2013; p.27

POSTGRADUATE

Australian Curriculum Framework for Junior Doctors, Confederation of Postgraduate Medical Education Councils, version 2.2, p.1

RHEUMATOLOGY SPECIALIST TRAINEES

Rheumatology Advanced Training Curriculum, Royal Australasian College of Physicians, 2013, p.8

SPORT AND EXERCISE MEDICINE TRAINEES

ACSEP CURRICULUM, Australasian College of Sports and Exercise Physicians, 2017

GENERAL PRACTITIONER TRAINEES

RAGCP Lifelong Learning Curriculum: Appropriate Procedures (2016)

CLINICAL RADIOLOGY TRAINEES*

2014 RANZCR. Radiodiagnosis Training Program – Curriculum Version 2.1

* Ultrasound Only