



## JOINT INJECTION RANGE

The products in this range have been specifically designed to improve the training of soft tissue joint injection.



*Learning has never been more lifelike*

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# HAND & WRIST INJECTION TRAINER

Suitable for all levels of training, the NEW Hand & Wrist Injection Trainer allows trainees and clinicians to practise and teach injections in five different locations within the hand and wrist: the Carpal Tunnel, De Quervain's Sheath, Trigger Finger, First Carpometacarpal Joint, and the Distal Radioulnar Joint.



## QUALITIES

### REALISM

- Interactive model anatomy
- Anatomically correct
- Includes important ligament and skeletal structures

### KEY FEATURES

- Facilitates injection in 5 key sites
- Presence of Median Nerve allows for negative feedback
- New app provides interactive real-time feedback
- Each site can withstand over 200 injections
- Skin can be easily removed and changed

### VERSATILITY

- Lightweight and easily portable
- App can be set to English UK, English USA, French, Mandarin, Spanish and German

### CLEANING & CARE

- Skin surface is washable using soap and water

### SAFETY

- Fluid should not be injected into any of the sites, due to the electronics contained
- Latex free

## KNEE ASPIRATION & INJECTION TRAINER WITH ULTRASOUND CAPABILITIES

An anatomically accurate adult knee model for injection and aspiration of synovial fluid from the knee joint, from both the lateral and medial aspects, using palpation or ultrasound-guidance. The robust sealed knee includes knee joint, patella, patellar tendon and the suprapatellar space.

70103

70114



### QUALITIES

#### REALISM

- Discrete muscle and skin layers provide realistic tissue and needle response
- Anatomically accurate synovial sac and palpable patella
- Realistic colour and consistency of synovial fluid

#### KEY FEATURES

- 1000+ stabs per module with 21 gauge needle
- Precise, palpable anatomy with bony landmarks
- Robust, sealed knee unit that holds all anatomy
- Key internal landmarks visible under ultrasound
- Compatible with all standard ultrasound machines
- Echolucent material allows aspiration and injection under ultrasound-guidance
- Suitable for undergraduate and postgraduate medical study
- Knee skin is watertight

#### VERSATILITY

- Caters for ultrasound-guided technique as well as palpation
- Can be used with leg supports for supine position, or without leg supports for side of bed position
- Separate Fluid Bag & Stand ensure the model is easy to use and mobile
- Clear indicator on fluid bag to prevent overfilling

#### CLEANING & CARE

- Skin surface is washable using soap and water

#### SAFETY

- Latex free

## SHOULDER INJECTION TRAINER RANGE

Should Injection Trainer range combines physical practice with the guidance of technology. It provides a repeatable teaching and training platform for should injections in the 4 most common sites: glenohumeral joint, subacromial space, acromioclavicular joint, bicipital groove.

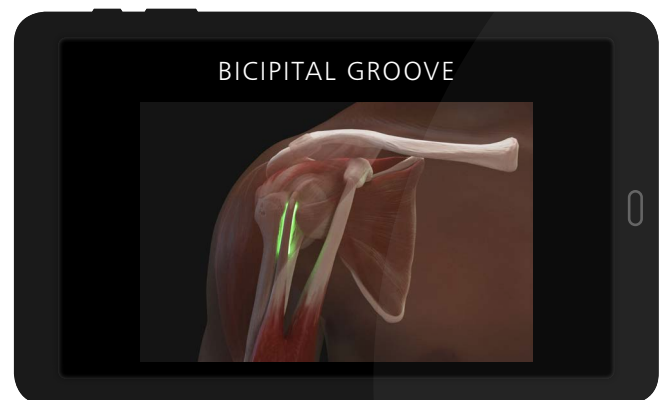
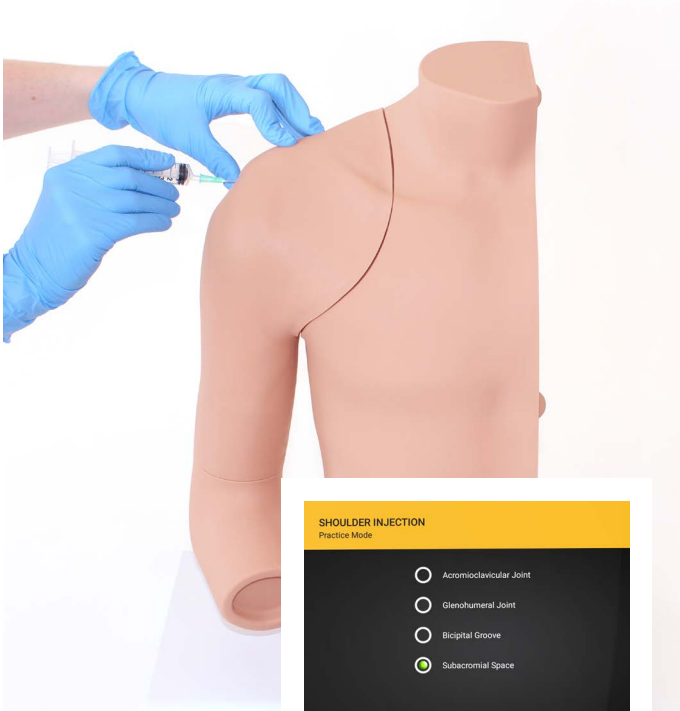
Both models share a common torso but offer different levels of complexity to support trainees from early learning through to specialist levels.

## SHOULDER INJECTION TRAINER - PALPATION GUIDED

70200

70219

With tablet included, the accompanying Android app allows learners and teachers to visualise the underlying anatomy, as well as clearly signalling success.



## QUALITIES

### 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
- 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

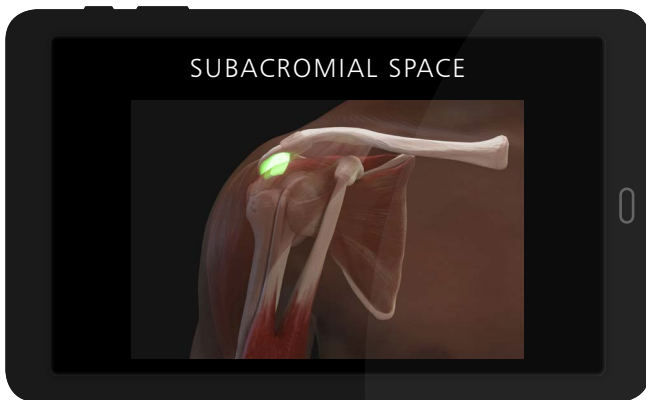
- Latex free

# SHOULDER INJECTION TRAINER - ULTRASOUND GUIDED

70202

70221

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



## QUALITIES

### 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



## ELBOW FOR JOINT INJECTION

30083



For practising soft tissue joint injection used for the treatment of injuries and arthritis. The arm is presented for the treatment of both Golfer's and Tennis elbow.

### QUALITIES

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#### REALISM

- Flexed right elbow, which rotates on the stand

#### KEY FEATURES

- Easy-to-use Feedback Console: LEDs light up when correct injection sites have been acquired, point of maximal tenderness has been palpated and when the ulnar nerve has been hit

#### VERSATILITY

- Supplied with 'No Trace' marker for illustrating underlying anatomical landmarks

#### SAFETY

- Latex free

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## FOOT & ANKLE FOR JOINT INJECTION

30100



A foot and ankle for practising soft tissue injection for the treatment of injuries and arthritis. Designed in collaboration with Mr Jim Pickard and Dr Chris Davies from the University of Huddersfield, UK.

### QUALITIES

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#### ANATOMY

- Represents normal anatomy as required for palpation purposes

#### KEY FEATURES

- Easy-to-use Feedback Console: LEDs light up when correct injection sites have been acquired

#### SAFETY

- Latex free

YOU MAY ALSO BE INTERESTED IN OUR **NEW...**

## COLLES' FRACTURE REDUCTION TRAINER

70250

Ideal training tool for learners looking to gain confidence in the reduction of Colles' fractures occurring at the distal end of the radius.



Developed in collaboration with Dr Salwa Malik of Brighton and Sussex University Hospitals NHS Trust and Dr Yasir M. Shaukat of Surrey and Sussex Hospitals NHS Trust



Adjustable tension makes it a perfect tool for **OSCE** courses

Trainees can perform all three stages of reduction:





## CURRICULUM REFERENCES

### **CORE MEDICAL TRAINING**

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

### **SPECIALIST RHEUMATOLOGY**

*Specialty Training Curriculum for Rheumatology, Joint Royal Colleges of Physicians Training Board, 2010, p.17-24*

### **SPORTS MEDICINE & EXERCISE**

*Specialty Training Curriculum for Sport and Exercise Medicine, Joint Royal Colleges of Physicians Training Board, 2010, p.53*

### **SPECIALIST TRAUMA & ORTHOPAEDICS**

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

### **GP TRAINING**

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

### **CLINICAL RADIOLOGY**

*Speciality Training Curriculum for Clinical Radiology, 2016, p.111*

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