User Guide
Elbow for Joint Injection

Product No: 30080

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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.

**Skills**
- Patient posture and management
- Palpation techniques
- Identifying anatomical landmarks and painful areas
- Injections for: Tennis Elbow (lateral epicondylitis), Golfer’s Elbow (medial epicondylitis)
- Training in fan or cone infiltration techniques

**Features**
- Flexed right elbow, which rotates on the stand
- Easy-to-use Feedback Console illuminates:
  - when the correct pressure pain points are found
  - when needle is correctly placed into the injection sites
  - if needle enters ulnar nerve lying behind medial epicondyle
- Supplied with ‘No Trace’ marker (non-permanent rapidly fading ink) for illustrating underlying anatomical landmarks

**Package supplied**
- 30023  1 ‘No-Trace’ Marker
- 30093  1 Elbow Needle Set
- BKS1846195004  Joint and Soft Tissue Injection Book
- 1 Elbow for Joint Injection
- 1 Feedback Console with batteries
- 1 Carry case

**Care of products made from latex foam rubber**
- We recommend wearing gloves when using this product, especially when handling the skin.
- If you do not wear gloves wash your hands thoroughly before touching the foam: handling it after contact with certain metals (e.g., copper coins) can cause a yellow/green discolouration which cannot be removed.
- Latex foam is a natural product; store away from strong light, preferably in the case provided, to reduce exposure to ozone. Ozone is generated by some electrical equipment including telephones and computers.
- The foam may be washed effectively using any mild soap and rinsed afterwards. Do not immerse the model in water or allow water to run freely over the surface.
- Do not ingest the product and practice normal hygiene after handling the product.
Battery test procedure

Before connecting any electrical leads, firmly press the ‘Battery/system test’ button on the front panel of the Feedback Console. All the lights should illuminate.

If batteries are inserted make sure they are the correct way round.

A polarity diagram is moulded into the plastic underneath the batteries. If the batteries are inserted correctly and the lights still do not illuminate, remove them and insert batteries that are known to be working.

If they do not: check that there are batteries inserted (4x 1.5v AA/ LR6/ AM3/ MN1500). Alkaline batteries are recommended. Observe any safety information printed on the batteries.

If the batteries are inserted correctly and the lights still do not illuminate, remove them and insert batteries that are known to be working.

If the Console fails to work after carrying out this recommended procedure, it has probably developed a fault and should be returned.

NOTE: Batteries should be removed from the Feedback Console if the product is not being used for an extended period of time.
Connecting the leads

1. Having satisfied out the Battery Test Procedure, ensure that the lead running from the model is plugged into the black socket at the back of the Feedback Console.

2. Ensure that the electrical contact is securely attached to the needle on the syringe.

3. Ensure the lead running from the syringe is plugged into the circular socket at the back of the Feedback Console.

4. Press the ‘Battery/system test’ button at the bottom of the front panel of the Feedback Console. All the lights should illuminate.

Should the lights fail to come on, disconnect and reconnect the leads at the back of the Feedback Console. If the lights do not illuminate after doing this then the model has probably developed a fault and should be returned.
Simulation of injection

Before use, check that the needle is not blocked and that the tip of the needle is sharp and straight. Blunt or hooked needles may tear the skin or prevent correct electrical contact.

1. A point of maximal tenderness can first be identified with firm, precise pressure over either epicondyle whereupon a yellow light will illuminate.

2. When the needle enters the correct injection sites for Tennis Elbow or Golfer’s Elbow, a green light will illuminate. Correct injection technique can then taught.

We recommend wearing gloves when using this product, especially when handling the skin. See ‘Care of Products’.
Simulation of injection

A red light will illuminate if the needle enters the ulnar nerve which lies behind the medial epicondyle (Golfer’s Elbow)
Other models available in the range

**Shoulder for Joint Injection**

![Shoulder model](image)

**Hand & Wrist**

for Joint Injection

![Hand & Wrist model](image)

**Foot & Ankle**

for Joint Injection

![Foot & Ankle model](image)
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 ultrasound-guidance or palpation.

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