ArthroSimplicity

Arthrocentesis Simplified

One Surgeon. One Patient.®
Convenience. Simplicity. One Box.

The ArthroSimplicity Procedure Kit is a convenient, all-inclusive kit that alleviates the burden of piecing together each of the items necessary for a TMJ arthrocentesis procedure. Benefits include:

- Eliminates inconvenience of having to collect each item
- One item to stock versus 40 individual items
- Disposable, easy clean up
- Convenient, one box solution

Arthrocentesis Description

Lavage of the upper joint space through TMJ arthrocentesis forces apart the flexible disc from the fossa, washes away degraded particles and inflammatory components, and decreases the intra-articular pressure whenever the joint is inflamed. TMJ arthrocentesis is an important step in TMJ treatment and is a prerequisite for most TMJ surgical interventions.

Arthrocentesis Procedure Guidelines

1. The preauricular area and ear canal are prepped with alcohol or betadine solution.
2. An auriculotemporal nerve block is performed followed by infiltration over the temporomandibular joint.
3. The temporomandibular joint is palpated at rest and during movement to identify the fossa and eminence. The fossa puncture point is located 1 cm anterior to the midtragus and 2 mm below the tragal-canthus line.
4. An 18g needle is placed into the upper joint space (UJS) at the fossa puncture point. The needle is directed at the fossa in a 45 degree angle from posterior to superior. Confirmation of entry into the UJS is determined by observing movement of the mandible during injection of fluid.
5. A second 18g needle is placed into the UJS about 5 mm in front of the first needle. Confirmation of entry into the UJS is obtained by observing outflow of fluid through the previously placed needle.
6. The UJS is irrigated with 100cc Lactated Ringers solution. The outflow needle is periodically occluded to gently distend the UJS. Care should be taken to observe that the outflow is continuous and that extravasation of fluid into the soft tissue is not occurring.

7. The medication is then injected into the UJS. As soon as the medication starts to flow out of the anterior needle, the anterior needle is removed and the remainder of the medication in injected.

8. The needles are removed and the joint is examined under anesthesia for range of movement and the presence of clicking, crepitus or mechanical interferences.

9. Pressure is placed over the joint for about five minutes.

10. The patient is encouraged to open their jaw and move it from side to side as much as possible.

“Now you and your staff can rely on a single, sterile kit with everything you need for faster, easier arthrocentesis.”
—M. Franklin Dolwick, D.M.D., Ph.D., University of Florida

**Ordering Information**

**922070 ArthroSimplicity Kit**

Kit Consists of Items Below:

<table>
<thead>
<tr>
<th>Qty</th>
<th>Component Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ea</td>
<td>6” Disposable Ruler</td>
</tr>
<tr>
<td>1 ea</td>
<td>16 oz Utility Bowl</td>
</tr>
<tr>
<td>5 ea</td>
<td>18gx1.5” Needle</td>
</tr>
<tr>
<td>2 ea</td>
<td>5cc L/L Syringe</td>
</tr>
<tr>
<td>2ea</td>
<td>60cc L/L Syringe</td>
</tr>
<tr>
<td>4 ea</td>
<td>OR Towels and Towel Clamps</td>
</tr>
<tr>
<td>10 ea</td>
<td>Gauze 4”x4” 8- Ply</td>
</tr>
<tr>
<td>1 ea</td>
<td>LG Cotton Ball</td>
</tr>
<tr>
<td>1 ea</td>
<td>Betadine® Solution Swabstick (3/pk)</td>
</tr>
<tr>
<td>1 ea</td>
<td>33” Extension Tubing</td>
</tr>
<tr>
<td>2 ea</td>
<td>Facial Drape w/catch basin</td>
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</tbody>
</table>

**Other TMJ Solutions Available**

- InnerVue 1.2mm Diagnostic TMJ Scope System
- Total Joint Replacement System
- Lorenz® Surgical TMJ Instrument Set
What fascinates you about the body is also what drives us. That’s why we’re always pushing the boundaries of engineering to make products that help you keep the human form as glorious as it was intended. To learn more about our breadth of products, call 800-874-7711 or visit us online at biometmicrofixation.com. We’d love to join you in a conversation about the future.