



## **Potential Uses of the Reciprocating Procedure Device (RPD) By Medical Specialty**

Anesthesia, Arthrocentesis, Biopsies, Cosmetic Surgery, ER, Intraarticular,  
Interventional Radiology, Military, OBGYN, Ortho, Pulmonary, Intensive Care,  
Thyroid Aspiration, Venous Ablations, Veterinary

### **Cardiology**

- Ultrasound guided pericardiocentesis (10 ml, 20 ml, 30 ml)
- Vascular access (5 ml, 20 ml)
- Cardiac catheterization

### **Dermatology and Plastic Surgery**

- BoTox injection (1ml, 3 ml)
- BoTox resuspension (3 ml)
- Hyaluronate injection (3 ml)
- Collagen injection (3 ml)
- Local anesthesia (3 ml, 5 ml, 10 ml)
- Corticosteroid injection (3ml, 1 ml)
- Venous ablation (1 ml, 3 ml, 5 ml)

### **Emergency Medicine/Family Practice**

- Local anesthesia (3 ml, 5ml, 10 ml)
- Venous vascular access (5 ml, 10 ml)
- Cyst (breast, thyroid, neck etc) aspiration (3ml, 5 ml, 10 ml, 20 ml)
- Arthrocentesis (3 ml, 5 ml, 10 ml, 20 ml)
- Intraarticular Corticosteroid injection (1 ml, 3 ml, 5 ml)
- Intraarticular Hyaluronate injection (3 ml)
- Tender point injection (5 ml, 10 ml)

### **Endocrinology**

- FNA Thyroid (5 ml, 10 ml)
- Thyroid cyst aspiration (3ml, 5 ml, 10 ml)

### **Internal Medicine/Specialties**

- Thoracentesis (10 ml, 20 ml, 30 ml)
- Paracentesis (20 ml, 30 ml)
- Local anesthesia (1 ml, 3 ml)

## **Gastroenterology**

- Paracentesis (20 ml, 30 ml)
- FNA liver (10 ml, 20 ml)

## **Interventional Radiology**

- Venous vascular access (5 ml, 10 ml)
- FNA Thyroid (5 ml, 10 ml)
- FNA Lung (5 ml, 10 ml)
- FNA Lymphnode (5 ml, 10 ml)
- Cyst (breast, thyroid, neck etc) aspiration (3ml, 5 ml, 10 ml, 20 ml)
- US guided (arthrocentesis, thoracentesis, amniocentesis, paracentesis etc) (5 ml, 10 ml, 20 ml)
- Local anesthesia (3 ml, 5 ml)
- Angiography (5 ml, 10 ml)

## **Medical Specialty**

- Anesthesiology
- Vascular access device for line placement (5 ml and 10 ml)
- Control syringe for blood return for medications (1, 3, and 5 ml)
- Local anesthesia (3, 5, and 10 ml)
- Epidural injections (3 ml)
- Nerve blocks (3 ml, 5 ml)
- Intrathecal injections and anesthesia (3 ml)
- Regional blocks (3 ml, 5 ml)

## **OBGYN**

- Amniocentesis
- Breast Cyst (20cc)

## **Obstetrics & Gynecology**

- Amniocentesis (20 ml)
- Chorionic biopsy (10 ml)
- Local anesthesia (3ml, 5 ml, 10 ml)
- Breast cyst aspiration (5 ml, 10 ml, 20 ml)
- Pelvic abscess aspiration (10 ml, 20 ml)
- Fine needle aspiration biopsy breast (5 ml, 10 ml).

## **Orthopedic Surgery**

- Arthrocentesis (3 ml, 5 ml, 10 ml, 20 ml)
- Local anesthesia (3 ml, 5 ml, 10 ml)
- Regional blocks (3 ml, 5 ml, 10 ml)
- Intraarticular Corticosteroid injection (1 ml, 3 ml, 5 ml)
- Intraarticular Hyaluronate injection (3 ml)
- Vertebral Facet injections (3 ml, 5 ml)

- Tender point injection (5 ml, 10 ml)
- Abscess/cyst aspiration (10 ml, 20 ml)
- Epidural injections (3 ml)

### **Pulmonary/Critical care**

- Thoracentesis (10 ml, 20 ml, 30 ml)
- Pleural biopsy (10 ml)
- Vascular access (5ml, 10 ml)

### **Rheumatology**

- Arthrocentesis (3 ml, 5 ml, 10 ml, 20 ml)
- Local anesthesia (3 ml, 5 ml, 10 ml)
- Intraarticular Corticosteroid injection (1 ml, 3 ml, 5 ml)
- Intraarticular hyaluronate injection (3 ml)
- Tender point injection (5 ml, 10 ml)

### **Veterinary**

- (joint applications)