Difficult Implant Removal Algorithm

START: Non-palpable implant

- Follow regular removal procedural protocol

- Use marker to mark on skin the location/orientation of the implant

- Implanon or Sino-implant (II) or Jadelle

- XRay of Upper Arm

- Chest Xray

- Take blood sample for serum level assessment*

- Repeat US with more experienced sonographer and at a higher MHz

- Positive Result

- Negative Result

- Confirmed non-insertion

Try to locate implant by recommended Palpation Technique

- Localization must be achieved before removal is attempted

- Each technique should be attempted entirely before moving on to the next.

Locate by Ultrasound

- Ultrasonic Guided Removal

- Marking on the skin by US tech (Unguided Removal)

- One Rod

- Two Rods

- One Rod

- Two Rods

- Implant(s) removed

- Measure the implant and confirm its entirety has been removed.

- Obtain hemostasis and cover incision with 4 x 4 gauze. If larger incision, oppose skin with butterfly closure or suture.

- Continue surgery to remove the remaining piece. Re-examine area with ultrasound if necessary.

If implant cannot be located through US after confirming it through serum levels* or Xray OR if the removal is unsuccessful:

- Consult and refer patient to the most experienced center in the region for removal.

* Contact manufacturer representative to determine how/where to send blood sample for progesterin level.