

## Placing Needle Electrodes

Needle electrodes can be placed biparietally. Needle electrodes are secured in a manner similar to securing an IV; this sheet describes an alternate method of securing needle electrodes.

### Required Items

- Needle electrodes
- Skin cleanser, such as antiseptic
- Skin adhesive, such as Collodion®, or adhesive tape
- Cotton swabs or cotton squares (e.g., 2x2 or 4x4)



#### NOTE

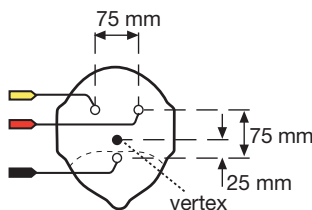
- Care must be taken if the infant is moved to avoid dislodging the electrodes.
- Use the Collodion provided in small blue tubes; avoid using the Collodion fluid supplied in bottles. After use immediately reattach the cap to prevent the nozzle from blocking.
- After use either acetone or a special no-acetone remover to remove the Collodion. Plaster remover does not work on Collodion.

### Prepare the Patient's Head

1. Clean the electrode placement areas with a cotton swab or square moistened with antiseptic.

*Continue to biparietal placement steps, below.*

### Biparietal Placement



2. Locate the vertex and place the **BLACK** electrode 25 mm anterior.
3. Locate a point approximately 50 mm posterior to the vertex. Place the **RED** electrode approximately 37 mm to the left of this point, then place the **YELLOW** electrode approximately 37 mm to the right of this point.
4. Insert each needle subcutaneously up to the plastic hub.
5. Affix each needle electrode using a skin adhesive or by adhesive tape. If using Collodion skin adhesive, apply a small drop onto the plastic hub of needle, smear over surrounding skin and allow Collodion to dry completely (approximately 30 seconds) before handling the electrode.



**OLYMPIC MEDICAL**

5900 First Ave S  
Seattle, WA 98108 USA  
www.OlympicMedical.com