

## 1. Select Appropriate Sized Applicator

- Soak in liquid nitrogen

## 2. Apply Liquid Nitrogen To Site

- Light pressure for flat warts, molluscum, skin tags
- Firm pressure for raised warts, seborrheic keratosis, actinic keratosis

## 3. Freeze Lesion

- Identify whiteness
- Freeze margins for warts and actinic keratosis

## 4. Spray Cryospray To Freeze Lesion

- Spray at appropriate distance
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## 1. Anesthetize The Skin

- Position needle perpendicular to skin
- Inject intradermally
- Raise wheal under lesion

## 2. Stabilize Skin

- Stretch skin with finger and thumb

## 3. Select Cutting Instrument

- Select razor or #15 scalpel

## 4. Make Incision

- Angle scalpel blade or curve razor between thumb and forefinger for proper depth.
- Use smooth, even cutting motion

### 1. Plan Excision

- Y Outline excision with surgical pen (elliptical, diamond, hexagon)
- Y Make elliptical excision with length 3x width

### 2. Make Initial Excision

- Y Begin with point of scalpel blade
- Y Use middle of scalpel blade for middle of incision
- Y End with point of scalpel blade at end of incision
- Y Angle blade edge slightly away from lesion

### 3. Excise Incision

- Y Lift corner of excision with tissue forceps
- Y Evenly undermine the skin with scalpel or scissors at level of subcutaneous fat

### 4. Close Wound

- Y Select suture placement sites by using "rule of halves"
- Y Grasp needle 1/3 distance from eye with needle holder
- Y Place needle point perpendicular to skin, 1–2 mm from wound edge
- Y Drive needle point down, then up into center of wound
- Y Pull needle through with holder
- Y Repeat process from center of wound to point 1–2 mm from opposite wound edge
- Y Approximate wound edges by tying two or more surgical knots

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- Y Position needle perpendicular to the skin
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- Y Stretch the skin with thumb and forefinger

### 3. Cut Core Biopsy

- Y Place punch perpendicular to skin surface
- Y Apply steady downward pressure
- Y Turn punch smoothly in clockwise direction
- Y Stop when punch reaches subcutaneous fat ("gives way")

### 4. Remove Biopsy Core

- Y Press fingers downward on adjacent skin to pop up core
- Y Lift core with needle or forceps
- Y Cut base of core with tissue scissors

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