

## Cat's Pur



### Uses

- Used in DCR/DCT to retract skin, muscle
- Dacryocystectomy—DCT—entire lacrimal sac is removed.

### *Contraindications for DCR*

1. In elderly due to atrophied sac
2. In children less than 4 years as the bone growth is less
3. Infections of the sac like TB, syphilis
4. Malignancy of the sac
5. Uncorrected nasal pathology like DNS, nasal polyp
6. Atrophic rhinitis.

## Lacrimal Syringing Cannula



### Uses

Used to check patency of lacrimal drainage system.

### *Interpretation of syringing*

1. While syringing if the fluid comes through the same punctum, it suggests canalicular block.
2. While syringing if the fluid comes from the opposite punctum, it suggests nasolacrimal duct or common canalicular block.

## Citelli's Bone Punch



### Uses

- To remove the bone in external DCR  
Bones removed are frontal process of the maxilla, lacrimal bone
- Size of the opening should be at least 10 mm.

## Cryo Pencil



### Uses

- For ICCE
- Filled with freon.

### *Indications for ICCE*

Grossly subluxated/dislocated lens

### *Other uses of cryo in ophthalmology*

Distichiasis, cyclocryotherapy for absolute glaucoma, to seal the retinal holes in retinal detachment surgery, treatment of retinoblastoma.

### *Joule Thomson effect*

When a non-ideal gas suddenly expands from a high pressure to low pressure, there is a drop in the temperature. This principle is used in cryoapplication.

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# Contents

*Foreword* *vii*

*Preface* *ix*

*Contributors* *xi*

## Section 1

**Common Instruments** **1**

## Section 2

**ENT Instruments** **13**

## Section 3

**Ophthalmic Instruments** **67**

## Section 4

**General Surgical Instruments** **95**

## Section 5

**Obstetrical and  
Gynaecological Instruments** **141**

## Section 6

**Orthopaedic Instruments,  
Implants and Prostheses** **187**

## Section 7

**Anaesthesia Instruments** **221**

*Index* **277**