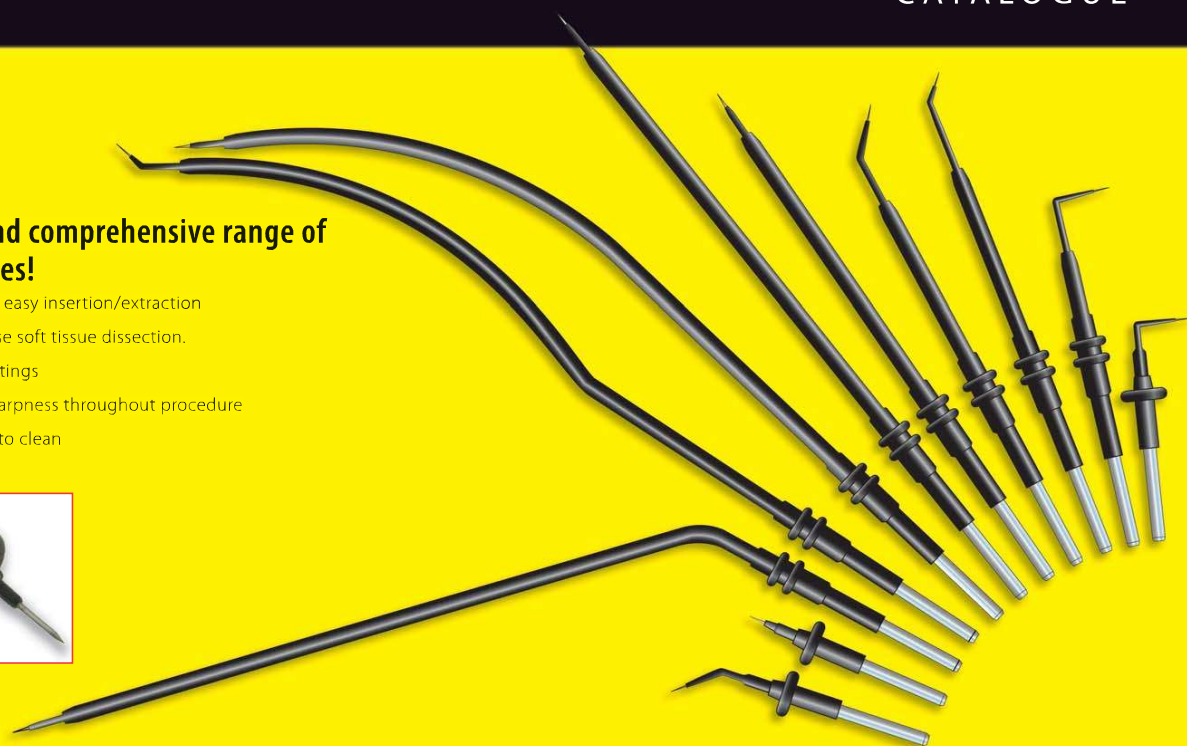


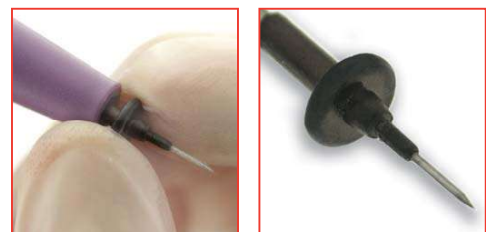
The most innovative and comprehensive range of micro-dissection needles!

- New unique fingergrip allows for easy insertion/extraction
- Ultra sharp polished tip for precise soft tissue dissection.
- Highly effective at low power settings
- Tungsten electrode maintains sharpness throughout procedure
- Minimum eschar build up - easy to clean

Safe - easy to remove needle



Micro-dissection needles



Safe unique fingergrip allows for easy insertion / extraction, without limiting vision

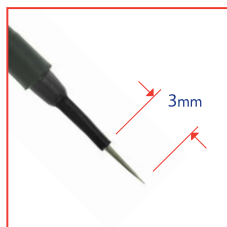
Exceptionally fine needles for precise monopolar dissection

Designed for use with virtually all electrosurgery generators and the majority of electrosurgery handles / fingerswitches, the Cotswold range of monopolar micro-dissection needles offers the surgeon the ability to direct the power from the electrosurgery generator to an area (typically 3 micron) at the needle tip.

With such a small and focussed point, the amount of power required to create a surgical effect is dramatically reduced as the electrosurgery current is concentrated to the smaller size – this reduction minimises the heat produced and hence the thermal energy spread.

- only low wattages of electrosurgery power required
- reduced tissue necrosis
- precision electrosurgery effect
- reduced smoke

Traditionally produced "sharp" electrosurgery needles become blunt very quickly during a procedure due to the stainless steel "melting", particularly with such a fine point. The Cotswold needles are produced in rigid, high temperature pure tungsten which has a melt temperature of 3400°C, significantly higher than those temperatures used in electrosurgery



1

PMS 1651



The majority of surgeons operating with the Cotswold needle usually select the shortest needle useful in the specific procedures; this enables a greater accuracy and control to be achieved

The PMS 1651 is ideal for any of the following procedures:

- | | | |
|-------------------------------------|---------------------|----------------------|
| Blepharoplasty | Cleft lip revision | Turbinectomy |
| Canthoplasty and -pexy | Facial procedures | Pediatric plastics |
| Otoplasty | Abdominal surgery | Gingivectomy |
| Bicoronal flap | Cleft palate | Neck dissection |
| Skin incision for hip | Rhinoplasty | Coronal incision |
| Incising temporal fascia and muscle | Facial lesions | Palatal donor grafts |
| Tram flap | Forehead corrugator | Spine / rhizotomy |
| Hand surgery | Foot surgery | |

2 PMS 1650



3 PMS 1614



4 PMS 1654



5 PMS 1602



All needles actual size

Tonsillectomy, breast reduction and palatoplasty for snoring

PMS1614 and PMS1654 - Often used in addition to the PMS1651 in these procedures

Orbital procedures and blepharoplasty

PMS1650 - Oculoplastic surgeons frequently choose this short styled micro needle

MICRO-DISECTION NEEDLES

1 Cotswold needle 30mm shaft, 20mm straight needle	pack of 10	PMS1651	4 Cotswold needle 55mm shaft, 10mm straight needle	pack of 10	PMS1654
2 Cotswold needle 30mm shaft, 10mm straight needle	pack of 10	PMS1650	5 Cotswold needle 65mm shaft, 10mm straight needle	pack of 10	PMS1602
3 Cotswold needle 40mm shaft, 20mm straight needle	pack of 10	PMS1614			



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1 PMS 1610



2 PMS 1611



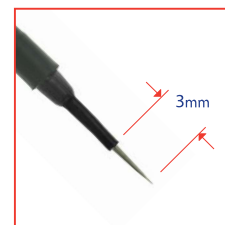
3 PMS 1612



4 PMS 1613



5 PMS 1656



All needles actual size

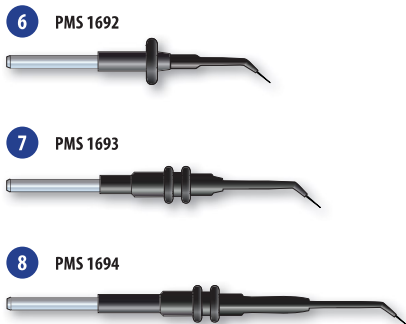
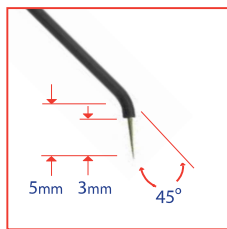
Breast implants

PMS1611 & PMS1615 - These straight extended needles are popular in the preparation stages

MICRO-DISECTION NEEDLES

1 Cotswold needle 180mm shaft, 10mm straight needle	pack of 5	PMS1610	4 Cotswold needle 100mm shaft, 10mm straight needle	pack of 10	PMS1613
2 Cotswold needle 150mm shaft, 10mm straight needle	pack of 5	PMS1611	5 Cotswold needle 75mm shaft, 10mm straight needle	pack of 10	PMS1656
3 Cotswold needle 130mm shaft, 10mm straight needle	pack of 5	PMS1612			





Neck dissection or tonsillectomy

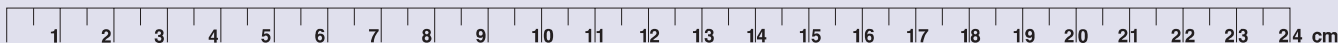
Straight tip (PMS1613) or Angled tip (PMS1696) - These extended needles are often used or if further extension is needed (PMS1612 and PMS1697)

All needles actual size

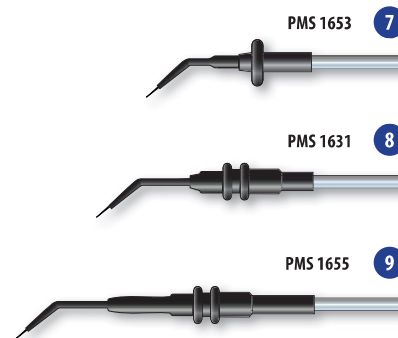
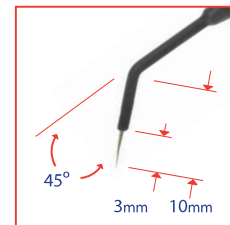
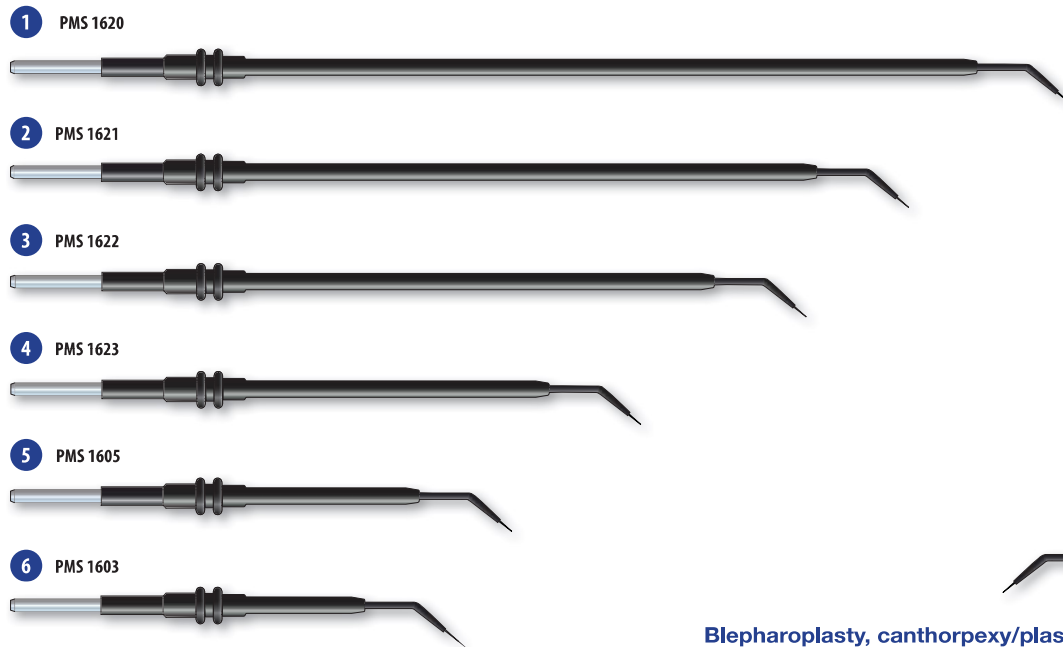
MKRO-DISECTION NEEDLES

6	Cotswold needle 30mm shaft, 5mm 45° angled needle	pack of 10	PMS1692
7	Cotswold needle 40mm shaft, 5mm 45° angled needle	pack of 10	PMS1693
8	Cotswold needle 55mm shaft, 5mm 45° angled needle	pack of 10	PMS1694

9	Cotswold needle 180mm shaft, 5mm 45° angled needle	pack of 5	PMS1699
10	Cotswold needle 150mm shaft, 5mm 45° angled needle	pack of 5	PMS1698
11	Cotswold needle 130mm shaft, 10mm 45° angled needle	pack of 5	PMS1697
12	Cotswold needle 100mm shaft, 10mm 45° angled needle	pack of 10	PMS1696
13	Cotswold needle 75mm shaft, 5mm 45° angled needle	pack of 10	PMS1695



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All needles actual size

Blepharoplasty, canthorpey/plasty, and tranblepharoplasty approaches to the mid face lift.

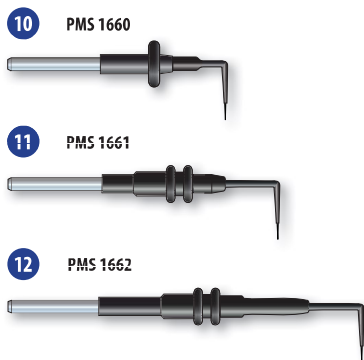
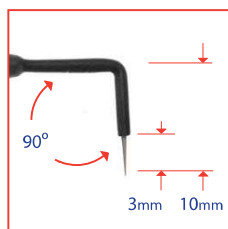
PMS1653 or PMS31 - These needles are practical for surgeons who prefer an angled tip

MKRO-DISECTION NEEDLES

1	Cotswold needle 180mm shaft, 10mm 45° angled needle	pack of 5	PMS1620
2	Cotswold needle 150mm shaft, 10mm 45° angled needle	pack of 5	PMS1621
3	Cotswold needle 130mm shaft, 10mm 45° angled needle	pack of 5	PMS1622
4	Cotswold needle 100mm shaft, 10mm 45° angled needle	pack of 10	PMS1623
5	Cotswold needle 75mm shaft, 10mm 45° angled needle	pack of 10	PMS1605

6	Cotswold needle 65mm shaft, 10mm 45° angled needle	PMS1603
7	Cotswold needle 30mm shaft, 10mm 45° angled needle	PMS1653
8	Cotswold needle 40mm shaft, 10mm 45° angled needle	PMS1631
9	Cotswold needle 55mm shaft, 10mm 45° angled needle	PMS1655





All needles actual size

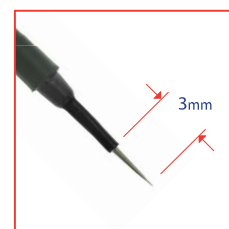
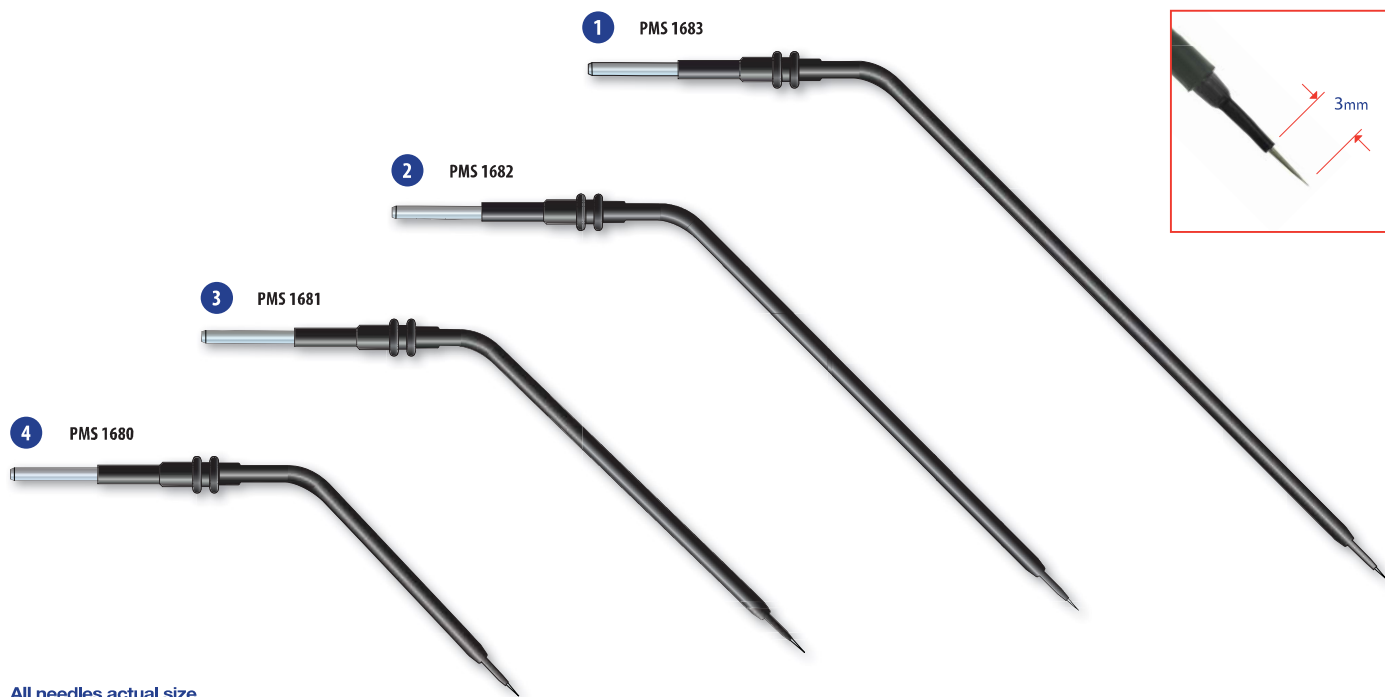
MICRO-DISECTION NEEDLES

10	Cotswold needle 30mm shaft, 10mm 90° angled needle	pack of 10	PMS1660
11	Cotswold needle 40mm shaft, 10mm 90° angled needle	pack of 10	PMS1661
12	Cotswold needle 55mm shaft, 10mm 90° angled needle	pack of 10	PMS1662

13	Cotswold needle 180mm shaft, 10mm 90° angled needle	pack of 5	PMS1667
14	Cotswold needle 150mm shaft, 10mm 90° angled needle	pack of 5	PMS1666
15	Cotswold needle 130mm shaft, 10mm 90° angled needle	pack of 5	PMS1665
16	Cotswold needle 100mm shaft, 10mm 90° angled needle	pack of 10	PMS1664
17	Cotswold needle 75mm shaft, 10mm 90° angled needle	pack of 10	PMS1606



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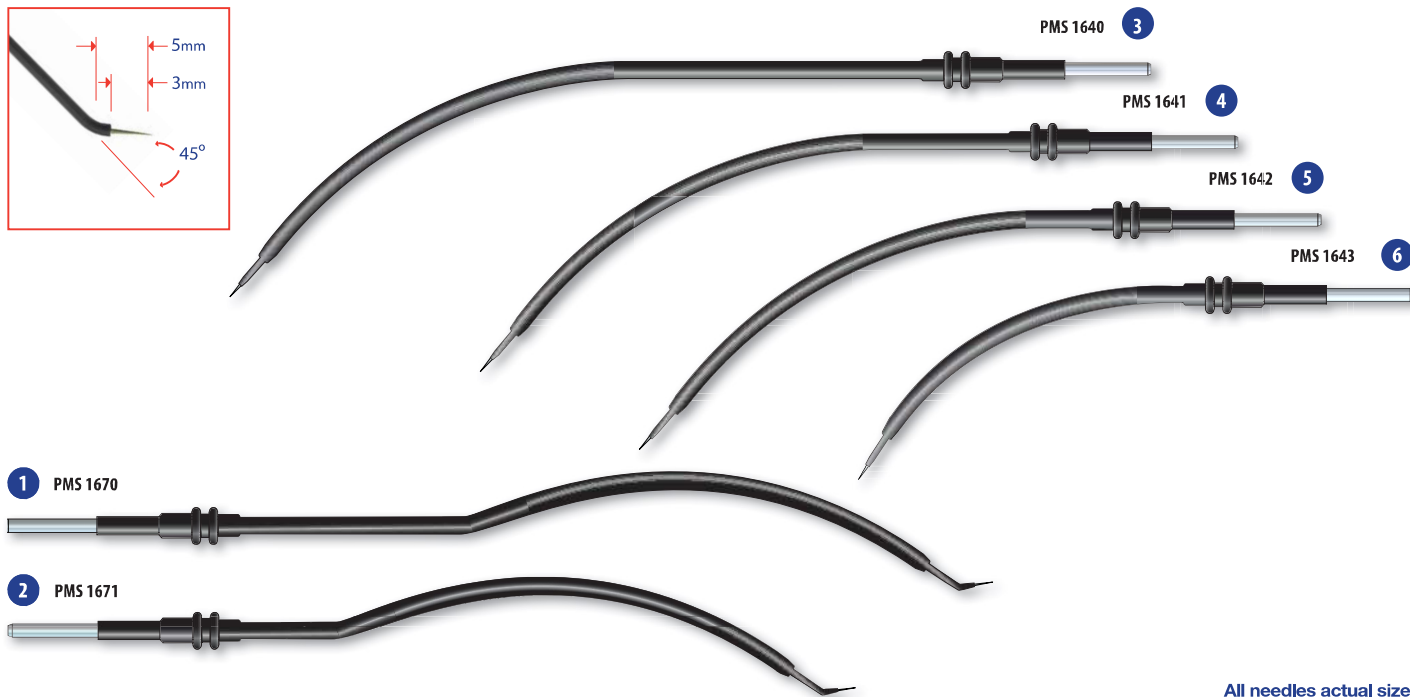


All needles actual size

MICRO-DISECTION NEEDLES

1	Cotswold needle 180mm angled shaft, 55mm 45° bend, 10mm straight needle	pack of 5	PMS1683
2	Cotswold needle 150mm angled shaft, 55mm 45° bend, 10mm straight needle	pack of 5	PMS1682
3	Cotswold needle 130mm angled shaft, 55mm 45° bend, 10mm straight needle	pack of 5	PMS1681
4	Cotswold needle 100mm angled shaft, 55mm 45° bend, 10mm straight needle	pack of 5	PMS1680



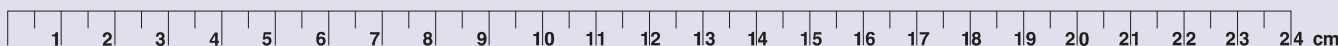


All needles actual size

MICRO-DISECTION NEEDLES

1 Cotswold needle 180mm contoured shaft, 5mm 45° angled needle	pack of 5	PMS1670
2 Cotswold needle 180mm contoured shaft, 5mm 45° angled needle	pack of 5	PMS1671

3 Cotswold needle 180mm curved shaft, 10mm straight needle	pack of 5	PMS1640
4 Cotswold needle 150mm curved shaft, 10mm straight needle	pack of 5	PMS1641
5 Cotswold needle 130mm curved shaft, 10mm straight needle	pack of 5	PMS1642
6 Cotswold needle 100mm curved shaft, 10mm straight needle	pack of 5	PMS1643



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Typical uses of the cotswold needle electrodes

Cotswold needle product codes	Page No	Aesthetic procedures													Reconstructive					
		Abdominoplasty	Blepharoplasty	Bicoronal Flap	Breast Augmentation	Breast Reduction	Canthoplasty/pexy	Endoscopic Brow Lift	Facial Lesions	Face Lift	Forehead Corrugator	Otoplasty	Platysma Band Notching	Rhinoplasty	Transblepharoplasty Incisions	Scar Revision	Cleft Lip Revision	Cleft Palate	Coronal Incisions	Facial Incisions Trauma/Plating
PMS1605	4									✓					✓					
PMS1612	2																			
PMS1613	2																			
PMS1614	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
PMS1650	1																			
PMS1651	1	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PMS1653	3		✓				✓							✓			✓			
PMS1654	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
PMS1656	2	✓								✓										
PMS1671	7							✓		✓										
PMS1692	4																			
PMS1693	4		✓				✓	✓	✓		✓	✓	✓		✓	✓				
PMS1695	4																			
PMS1696	4																			
PMS1697	4																			

procedures						Orthopaedic MIS Surgery		Oral maxillofacial							Neurosurgery					ENT procedures							
Hand Surgery	Paediatric Plastic/Neuro	Intra-oral Incisions	Otoplasty	Skull Base	Foot Surgery	Hip Endoprosthesis	Knee Endoprosthesis	Fracture	Gingivectomy	Intra-oral Incisions	Palatal Donor Grafts	Preauricular Incision for TMJ	Submandibular Cutdown/Trauma	Skin Incision for Hip Graft	Coronal Incisions	Laminectomy	Paediatric Incisions	Spine/Rhizotomy	Skull Base	Neck Dissection	Otoplasty	Palatoplasty	Rhinoplasty	Tonsillectomy	Tympanomeatal Flap	ENT Cosmetic	
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