

## Direkte laryngoskopi

### Indikation


Direkte laryngoskopi anvendes både i forbindelse med diagnostiske og terapeutiske procedurer


### Fremgangsmåde

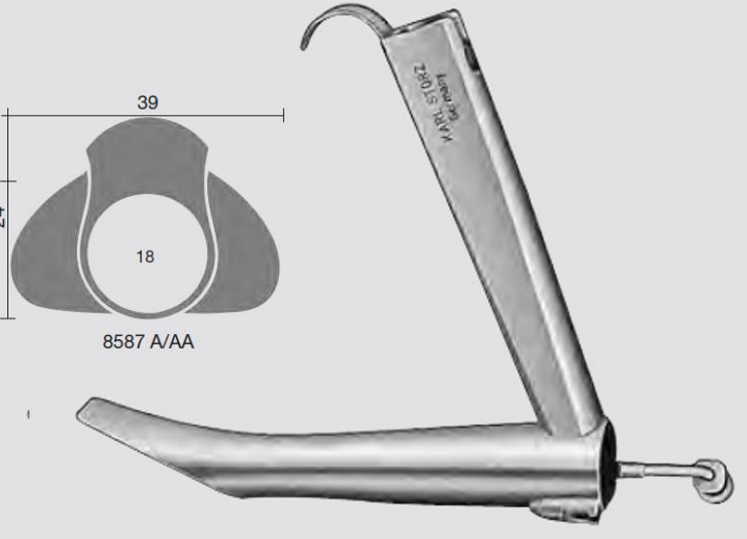
Start med palpation af ydre hals, mundbund, tonsillejre og tungebasis.

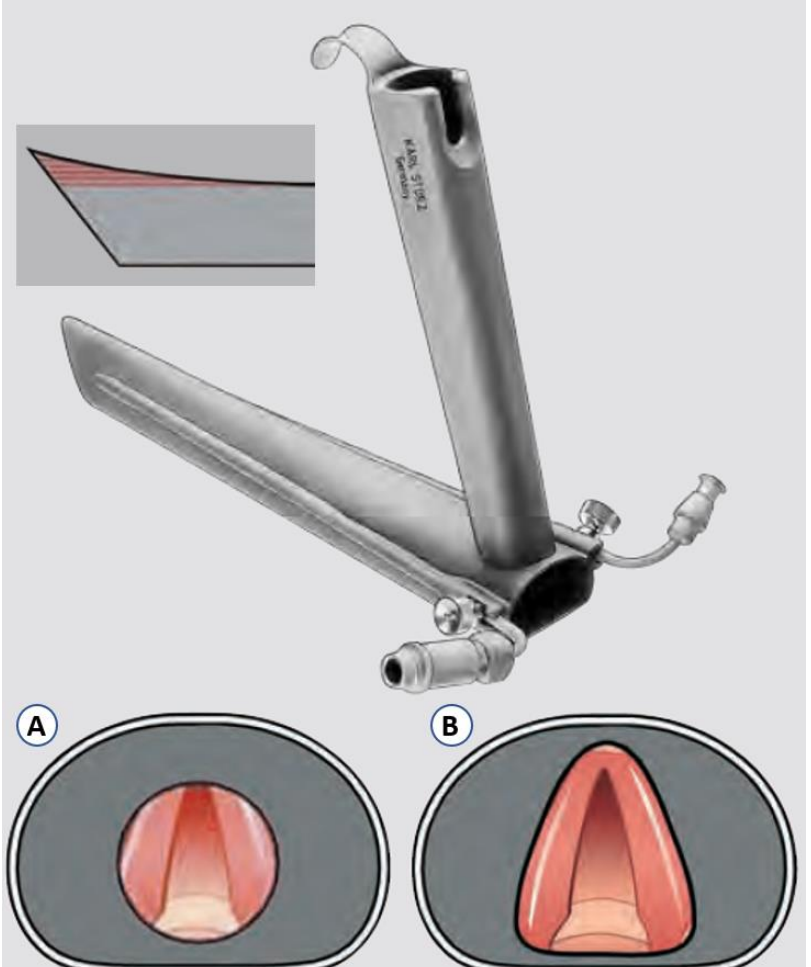
Tandskinne tildannes. Vælg størst mulig laryngoskop for maksimal eksponering af patologien. Ved indføring af laryngoskopet: obs. skade på underlæbe/tænder. Indled med inspektion af pharynx (tonsiller, tungebasis, vallecula epiglottica, recesser, postkrikoidalt, exolarynx, evt. rhinopharynx). Optimal eksponering af endolarynx opnås ved at anbringe pt. i "sniffing position" (nakken flekteret, hovedet ekstenderet). Nedpresning af epiglottis kan undgås ved at fiksere epiglottis foran tuben under nedføring af laryngoskopet. Eksponer patologien og fiksér laryngoskopet. Anvend evt. eksternt tryk mod larynx (finger/tape). Inspicér evt. med rigid optik (30 eller 70 grader) – særligt ved inspektion af endolarynx. Palpér læsionen med instrument: indureret/ødematøs/cystisk.

### Laryngoskoper

<p><b>Kleinsasser</b></p> <ul style="list-style-type: none"> <li>- "Den almindelige laryngoskop", ofte første valg ved Dir. Lar.</li> <li>- Længde 17 cm</li> <li>- Diameter – 3 størrelser A, B og C, se figur (mm)</li> </ul> <p>Anvendelig til skopi af både larynx og oro/hypopharynx</p>	 <p>The image shows a direct laryngoscope (Kleinsasser) and its three sizes (A, B, and C) with their respective dimensions in millimeters. The main image shows the instrument with the handle and the blade. The handle has the text 'KARL STORZ Germany' on it. The three sizes are shown as cross-sections of the blade with their dimensions:</p> <ul style="list-style-type: none"> <li>8590 A: 31.5 mm width, 21.5 mm height, 19 mm diameter</li> <li>8590 B: 28.5 mm width, 18.5 mm height, 15 mm diameter</li> <li>8590 C: 26 mm width, 15.5 mm height, 13.5 mm diameter</li> </ul>
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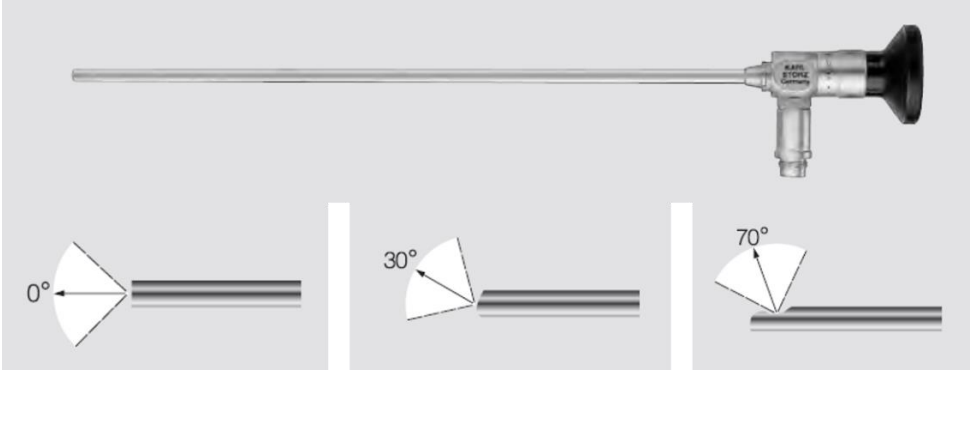
<p><b>DEDO</b></p> <ul style="list-style-type: none"> <li>- Længde 18 cm</li> <li>- Diameter - se figur (mm)</li> <li>- Mindre diameter gør at det ofte er andet valg ved manglende overblik ved Kleinsasser</li> <li>- Spidsen formet som afrundet V som kan forbedre indblik til commissura anterior</li> <li>- 1. valg ved vanskelig luftvej / KIM / KIT situation</li> </ul> <p>KIM: Kan ikke maskeventilere KIT: Kan ikke intubere</p>	 <p>The image shows a DEDO laryngoscope. On the left, a cross-sectional diagram of the blade tip is shown with dimensions: a top width of 20 mm, a height of 20 mm, and an internal opening of 13.5 x 27 mm. To the right is a side view of the entire instrument, featuring a black handle with 'KARL STORZ Germany' printed on it and a long, curved stainless steel blade.</p>
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<p><b>Lindholm</b></p> <ul style="list-style-type: none"> <li>- Længde: A 15 cm, AA 17 cm</li> <li>- Diameter – se figur (mm)</li> <li>- Spidsens design optimerer indblik til larynx, særligt supraglottis-strukturer. Desuden anvendeligt til eksponering af hypopharynx samt oropharynx.</li> <li>- Placer spidsen af skopet i vallecula for optimal laryngeal eksponering</li> </ul>	 <p>The image shows a Lindholm laryngoscope. On the left, a cross-sectional diagram of the blade tip is shown with dimensions: a top width of 39 mm, a height of 24 mm, and an internal opening of 18 mm. Below the diagram is the model number '8587 A/AA'. To the right is a side view of the instrument, showing a long, curved stainless steel blade with a hook at the tip and a handle with 'KARL STORZ Germany' printed on it.</p>
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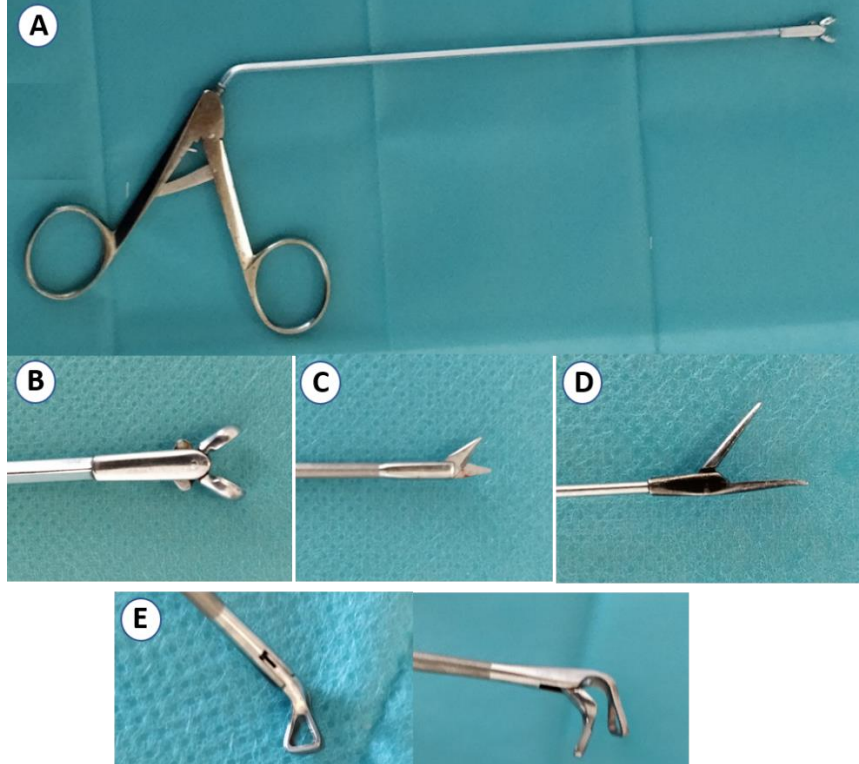
<p><b>Anterior commissure laryngoskop</b></p> <p>- Spidsens trekantede form optimerer indblik til commisura anterior</p> <p>- Alternativ 1. valg ved vanskelig luftvej / KIM / KIT situation</p> <p>Største tubestørrelse der passerer skopet: xxxx (i tilfælde af akut intubation via skop)</p> <p><b>A.</b> "Almidelig laryngoskop"</p> <p><b>B.</b> Ant. commissure laryngoskop</p> <p>KIM: Kan ikke maskeventilere KIT: Kan ikke intubere</p>	 <p>The image shows a large anterior commissure laryngoscope with a triangular blade tip. An inset shows a close-up of the blade tip. Below the main image are two circular diagrams, A and B, showing the laryngeal view through the scope. Diagram A shows a standard view, while Diagram B shows a view through the anterior commissure laryngoscope, highlighting the triangular blade tip's position relative to the larynx.</p>
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<p><b>Laryngoskop holder</b></p> <p>- Holder laryngoskopet fikseret mens man foretager et indgreb, f.eks. biopsi fra en tumor.</p>	 <p>The image shows a laryngoscope holder, model 8575 K, which is a long, thin metal rod with a circular ring at one end and a handle at the other. A smaller component, model 8575 V, is shown below it. The holder is designed to hold the laryngoscope in place during surgical procedures.</p>
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**Optiker**

<p>- 0, 30 og 70 grader                  - Laryngoskopet fikses og med en optik opnår man et detaljeret indblik til mindre patologiske forandringer supra- og subglottisk.</p> <p>0-graders optik kan anvendes ved akut intubation via skop</p>	 <p>The diagram shows a laryngoscope with a long shaft and a handle. Below the shaft, three diagrams illustrate the field of view for different angles: 0°, 30°, and 70°. The 0° view shows a straight-ahead view, the 30° view shows a slight upward angle, and the 70° view shows a steep upward angle. The handle has a control knob and a light source.</p>
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**Instrumenter til brug gennem laryngoskoper**

<p><b>A.</b> Vanlig instrument – spidserne varierer til de forskellige funktioner. Figur B, C, D og E er eksempler på de mest brugte instrumenter</p> <p><b>B.</b> Biopsitang – kommer i ligeud (som på figur), opad, højre og venstre</p> <p><b>C.</b> Saks – ligeud (lige på figur), opad og nedad</p> <p><b>D.</b> Fattetang</p> <p><b>E.</b> "Sommerfugl" – kommer i ligeud, venstre og højre (som på figur).</p>	 <p>The photographs show various instruments used through a laryngoscope. A: A long, thin instrument with a hook-like tip. B: A biopsy forceps with a long shaft and a hook-like tip. C: A pair of forceps with a long shaft and a hook-like tip. D: A pair of forceps with a long shaft and a hook-like tip. E: A pair of forceps with a long shaft and a hook-like tip.</p>
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## Mikrolaryngoskop

Man finder det rette indblik med et laryngoskop som derefter fikseres. Ved hjælp af mikroskopet kan der foretages mikrokirurgiske indgreb i larynx, pharynx og prox. trachea.

