WORK FLOW

01. Notify chief and attending
02. Book Case
03. Ask for the right equipment
04. Discuss plan with anesthesia
05. Prepare & set-up room
06. Bring the patient
CODES AND DIAGNOSIS

CPT CODES:

31541 Laryngoscopy, direct, operative, with operating microscope or telescope, with excision of tumor (MDL + Laser)

31571 Laryngoscopy, direct, operative, with injection (Steroid injection)

31641 Bronchoscopy with treatment of stenosis (Bronchoscopy with laser and dilation)

ICD 10 Codes

J38.6 Stenosis of the Larynx

J39.8 Other specified diseases of the upper respiratory tract
INTUBATION TUBES

Standard ETT
   Pediatric size 5 often used
MLT (microlaryngoscopy) ETT ‘mighty long tube’
   Longer than standard ETT
   high V, low P cuff
LaserSafe ETT
   - Can bend, not slide well, more difficult to pass

• What size? **Typically size 5**
   Tape to the left (if turning 90)
LMA FOR SUBGLOTTIC/TRACHEAL STENOSIS

Airway management and CO₂ laser treatment of subglottic and tracheal stenosis using flexible bronchoscope and laryngeal mask anesthesia

Dinesh K. Chhetri, MD. Jennifer L. Long, MD. PhD
Operative Techniques in Otolaryngology (2011) 22, 131-134

Steps:
1. Cut plastic bars
2. Sedation and placement by anesthesia
3. Attach bronch adapter
4. Topical 4% lido
5. Insert bronch

Bronch adapter
- OR 10 drawer/ peds airway cart
- call PSST 76479
- Anesthesia cart should have it

Figure 1 Operative setup using the laryngeal mask airway anesthesia for CO₂ laser treatment of airway stenosis. The flexible bronchoscope is inserted through the mask device, past the vocal folds, and into the trachea to visualize the stenotic segment. A flexible laser fiber is passed through the bronchoscope's working channel.
What do you need to perform this case?

**OR Request form:**

**Print off website and staple to OR slip**
### Inventory list:

<table>
<thead>
<tr>
<th>Item</th>
<th>Contents/Picture</th>
<th>Location of Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL tray</td>
<td>Dedo, aric scope</td>
<td>Core A</td>
</tr>
<tr>
<td></td>
<td>Light cord (blue, for dedo)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Macro Instruments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rigid esoph</td>
<td></td>
</tr>
<tr>
<td>Lindholm scope</td>
<td></td>
<td>Core A</td>
</tr>
<tr>
<td>Microlaryngoscopy trey</td>
<td>Micro Instruments</td>
<td>SPD (call 76472)</td>
</tr>
<tr>
<td>Zero telescope</td>
<td></td>
<td>SPD (call 76472)</td>
</tr>
<tr>
<td>HD camera</td>
<td></td>
<td>SPD (call 76472)</td>
</tr>
<tr>
<td></td>
<td>Light cord (grey)</td>
<td>SPD</td>
</tr>
<tr>
<td>Suspension</td>
<td>All in equipment room from OR 11:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-siron/Winde: (also core C)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-sphenoid/mayo and clav</td>
<td></td>
</tr>
<tr>
<td>Tooth guard</td>
<td>Head and Neck supply cart outside OR 10</td>
<td></td>
</tr>
<tr>
<td>MAD/gas- stick/atomizer</td>
<td>Call PSPST anesthesia cart</td>
<td></td>
</tr>
<tr>
<td>Butterfly needles 25G (with yellow, &quot;old style&quot;)</td>
<td>H&amp;N supply cart outside OR 10</td>
<td></td>
</tr>
<tr>
<td>CREE balloon</td>
<td>Sizes: 8-10 (typical ped), 10-12, 13-15 vs 16-18 (typical adult), 16-20</td>
<td>Size 8-10 in core C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Size 10-18: H&amp;N supply cart outside OR 10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Inflation syringe: H&amp;N supply cart outside OR 10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gun: OR front desk</td>
</tr>
<tr>
<td>Lumenis laser</td>
<td>Laser: room 2568</td>
<td>&quot;311&quot; Key: OR front desk cabinet</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Micromanipulator: OR front desk, or across hall</td>
</tr>
<tr>
<td>Omnipulse laser</td>
<td>Laser: room 2568</td>
<td>Key code: '0000'</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Test fiber: on top of laser</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elevate Fiber: outside OR 10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elevate Handpiece tray: SPD</td>
</tr>
</tbody>
</table>
MPU cart
How do I get the MPU cart?

Medical Procedure Unit: located behind PTU on 2nd floor

After hours:

Page: 94391
Call: 79659

Ask For:

MPU cart, scopes, adapters, composite cord/universal adapter for screen
1. Request form for scopes is on each OR computer
2. After hours: Call/page the oncall MPU tech to request cart
3. Don’t forget adapters
4. Pick up from MPU before the case
Ask for:

**P180**: 2.2mm diameter (can pass laser fiber, but not dilator)

**1T**: 2.8mm diameter working channel (able to put CRE balloon dilator/ flexible laser through this)
Flexible Esophagoscope
Aka ‘The Noodle’

SCOPE REQUEST

MD:

NAME:

Physician: DR. CHETRIL

OR #

Scope Requested: Check all that apply
- EGD [X]
- Colon
- Bronch
- EBUS

Nurse Requesting:

Date and Time Needed:

Special Equipment or Comments:
- N180 OR N190 “NOODLE SCOPE” WITH LONG COMPOSITE CABLE

Ask for:

N190 scope: First choice
N180 scope: Second choice (older)

Please Fax to: 310-267-3596
No later than 5pm one business day prior.

PLACED FAXED SCOPE REQUEST AT THE MOR FRONT DESK
MPU Use Only:
Tech or nurse filling request
Date and time filled:
Accessories to request

- Biopsy valve
- Suction valve
- Bronch adapters
- Esoph adapter
- Composite cord/Universal adapter cord
- Water canister (comes from OR, call SPD 76472)
Lasers
Laser use

Do not forget:

- CO2 ‘10600nm’ goggles and signs (OR front desk)
- Laser time out
- Saline soaked blue towels
- Turn down O2 to room air before use
LASERS

Omniguide

Room 2558 before OR 8

Test fiber
Code is ‘0000’

Fibers: Outside OR 10
‘Elevate’ fiber
1. TURN ON

TROUBLE SHOOT TIP: MAKE SURE EMERGENCY STOP BUTTON IS NOT PUSHED IN
LASERS

Omniguide

1. TURN ON
2. ATTACH TEST FIBER

TROUBLE SHOOT TIP:
TEST FIBER IS USUALLY AN EXPIRED FIBER, LOCATED ON TOP OF THE LASER ITSELF
LASERS

Omniguide

1. TURN ON
2. ATTACH TEST FIBER
3. ENTER PASSWORD ‘0000’
LASERS

Omniguide

1. TURN ON
2. ATTACH TEST FIBER
3. ENTER PASSWORD ‘0000’
4. SELECT MANUAL CONTROL
LASERS

Omniguide

1. TURN ON
2. ATTACH TEST FIBER
3. ENTER PASSWORD ‘0000’
4. SELECT MANUAL CONTROL
5. CONFIRM FIBER IS ATTACHED
LASERS

Omniguide

1. TURN ON
2. ATTACH TEST FIBER
3. ENTER PASSWORD ‘0000’
4. SELECT MANUAL CONTROL
5. CONFIRM FIBER IS ATTACHED
6. EVAL TANK ICON AND TURN ON HELIUM

TROUBLE SHOOT TIP:
- CHOOSE WHICHEVER HAS AT LEAST 3 BARS
- IF NEED NEW TANK CALL PSST 76479
1. TURN ON
2. ATTACH TEST FIBER
3. ENTER PASSWORD ‘0000’
4. SELECT MANUAL CONTROL
5. CONFIRM FIBER IS ATTACHED
6. EVAL TANK ICON AND TURN ON HELIUM
7. CONFIRM GAS IS FLOWING (70 PSI): USE SALINE OR SKIN TO CHECK

TROUBLE SHOOT TIP:
- DIP TIP IN SALINE AND SEE IF BUBBLING
- HOLD TO SKIN TO FEEL FOR AIR
1. TURN ON
2. ATTACH TEST FIBER
3. ENTER PASSWORD ‘0000’
4. SELECT MANUAL CONTROL
5. CONFIRM FIBER IS ATTACHED
6. EVAL TANK ICON AND TURN ON HELIUM
7. CONFIRM GAS IS FLOWING (70 PSI)
8. TEST LASER ON POPSICLE STICK (continuous, 4-8 Watts)
LASERS

Omniguide

1. TURN ON
2. ATTACH TEST FIBER
3. ENTER PASSWORD ‘0000’
4. SELECT MANUAL CONTROL
5. CONFIRM FIBER IS ATTACHED
6. EVAL TANK ICON AND TURN ON HELIUM
7. CONFIRM GAS IS FLOWING (70 PSI)
8. TEST LASER ON POPSICLE STICK
9. PUT LASER ON STANDBY
LASERS

Omniguide

1. TURN ON
2. ATTACH TEST FIBER
3. ENTER PASSWORD ‘0000’
4. SELECT MANUAL CONTROL
5. CONFIRM FIBER IS ATTACHED
6. EVAL TANK ICON AND TURN ON HELIUM
7. CONFIRM GAS IS FLOWING (70 PSI)
8. TEST LASER ON POPSICLE STICK
9. PUT LASER ON STANDBY
10. ATTACH ‘ELEVATE’ FIBER

READY FOR USE!
1. Ask for the “Elevate Omniguide Instrument Tray”
2. Push down on the top of the instrument
3. Advance the wire until you see a copper color at the tip
LASERS

Lumenis i.e. ‘Line of sight’

Room 2558 before OR 8

Micromanipulator: Under OR charge desk or in closet across from charge desk

‘311’ Key: OR front desk
LASERS

Lumenis

1. BALANCE SCOPE (also at the end)
2. ATTACH MICROMANIPULATOR

Orientation
1. BALANCE SCOPE
2. ATTACH MICROMANIPULATOR
3. ATTACH LASER

1. UNLOCK LASER
LASERS

Lumenis

1. BALANCE SCOPE
2. ATTACH MICROMANIPULATOR
3. ATTACH LASER

1. UNLOCK LASER
2. ORIENT LASER ARM

UP STICKER UP
LASERS

Lumenis

1. BALANCE SCOPE
2. ATTACH MICROMANIPULATOR
3. ATTACH LASER

1. UNLOCK LASER
2. ORIENT LASER ARM
3. LASER ATTACHMENTS

1. ATTACH ARM TO BLUE CYLINDER
LASERS

Lumenis

1. BALANCE SCOPE
2. ATTACH MICROMANIPULATOR
3. ATTACH LASER

1. UNLOCK LASER
2. ORIENT LASER ARM
3. LASER ATTACHMENTS

1. ATTACH ARM TO BLUE CYLINDER
2. DRAPE BLACK CORD AND ATTACH
LASERS

Lumenis

1. BALANCE SCOPE
2. ATTACH MICROMANIPULATOR
3. ATTACH LASER

1. UNLOCK LASER
2. ORIENT LASER ARM
3. LASER ATTACHMENTS

1. ATTACH ARM TO BLUE CYLINDER
2. DRAPE BLACK CORD AND ATTACH
3. ATTACH TELEPHONE CORD
LASERS

Lumenis

1. BALANCE SCOPE
2. ATTACH MICROMANIPULATOR
3. ATTACH LASER
4. INSERT ‘311’ Key

“311” KEY: LOCATED AT OR FRONT DESK
LASERS

Lumenis

1. BALANCE SCOPE
2. ATTACH MICROMANIPULATOR
3. ATTACH LASER
   a. UNLOCK LASER
   b. ORIENT LASER ARM
      i. Blue cylinder
      ii. Black cord
      iii. Telephone cord
4. INSERT ‘311’ Key
5. TURN LASER ON

READY TO USE!
AIRWAY

Room Set-up

Co2 LASER CASE

Microscope, attach to micromanipulator

Light box For Dedo

Ares. Machine

Arm on armboard

Surp. Bars

Meyer Stand

Arm tucked

Light box For telescope

Large Back Table

CO2 LASER

Neptune

bouin (lips source, bovis used)
Thank You