Tracheoesophageal Voice Prosthesis Selection

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InHealth Products
The Blom Singer Collection
Patient-Changeable

Duckbill  Low Pressure
Duckbill

- **Diameter Options**: 16Fr
- **Length Options in mm**: 6, 8, 10, 12, 14, 16*, 18, 20*, 22, 25, 28
- **Insertion Type**: Forced Entry
- **Insertion Effort**: Minimal
- **Valve Type**: Slit
- **Air Flow Resistance**: High
- **Durability**: High

- **Cost**: $42.20 each (+S/H)
  - $92.00 each Special Order
- **Medicare Allows**: 2 per month
- **Medicare Reimburses**: $37.96 for Michigan
- **PROS**: cost, durability, airflow resistance, insertion, *special order (special length, special long strap)
- **CONS**: esophageal extension, diameter options, cleaning
WHEN TO USE THE DUCKBILL

• Initial fitting
• Good tissue integrity
• Issues with gastric filling
• Patient ready/willing/able to independently manage voice prosthesis
• No insurance or cost is an issue

Artwork by Nat Quick and courtesy of Meaghan Kane Benjamin
Low Pressure

- **Diameter Options**: 16Fr and 20Fr (18Fr. One length=10mm)
- **Length Options in mm**: 4*, 6, 8, 10, 12, 14, 16*, 18, 20*, 22, 25, 28
- **Insertion Type**: Gel Cap
- **Insertion Effort**: Minimal
- **Valve Type**: Hinged
- **Air Flow Resistance**: Low*
- **Durability**: Variable
- **Cost**: $63.80 each (+S/H)
  - $92.00 each special order
- **Medicare Allows**: 2 per month
- **Medicare Reimburses**: $37.96 for Michigan
- **PROS**: cost, insertion, *can purchase special order products (Increased resistance, special length, special long strap, special diameter)
- **CONS**: air flow resistance*, cleaning
WHEN TO USE THE LOW PRESSURE

• Initial fitting
• Good tissue integrity
• Patient ready/willing/able to independently manage voice prosthesis
• No insurance or cost is an issue

Artwork by Nat Quick and courtesy of Meaghan Kane Benjamin
Indwelling
Classic Indwelling

- **Diameter Options**: 16Fr and 20Fr
- **Length Options in mm**: 4, 5*, 6, 7*, 8, 9*, 10, 11*, 12, 13*, 14, 16, 18, 20, 22, 25* *Rapid response options
- **Rapid Response**: See Slide for details
- **Insertion Type**: Gel Cap
- **Insertion Effort**: Minimal
- **Valve Type**: Hinged
- **Air Flow Resistance**: Low*
- **Durability**: Variable
- **Cost**: $177.40 each (+S/H)
- **Medicare Allows**: 1 per month if billed by a Physician Billing group (PBG)
- **Medicare Reimburses**: $79.18 (80% of $98.98) for Michigan
- **PROS**: cost, insertion, *can purchase Rapid Response Products (Special Sizes, LEF, LEF w/IR, LEF w/special size, LEF w/special size + IR, LEF + LTF, LEF + TEP occluder, IR, TEP Occluder), in-situ cleaning
- **CONS**: cost, clinician inserted
WHEN TO USE THE CLASSIC INDWELLING

- Initial fitting
- Reduced tissue integrity
- Sub-optimal TEP location
- Patient unable to independently manage voice prosthesis
Classic Indwelling
Sterile

- **Diameter Options**: 16Fr and 20Fr
- **Length Options in mm**: 8, 10, 12, 14
- **Insertion Type**: Gel Cap ?? Placed at time of surgery or during 2° TEP
- **Insertion Effort**: Minimal
- **Valve Type**: Hinged
- **Air Flow Resistance**: Low
- **Durability**: Variable
- **Cost**: $199.00 each (+S/H)
- **Medicare Allows**: 1 per month if billed by a PBG
- **Medicare Reimburses**: $79.18 (80% of $98.98) for Michigan
- **PROS**: cost, insertion by clinician or physician at time of surgery
- **CONS**: cost, insertion by clinician or physician at time of surgery
WHEN TO USE THE CLASSIC INDWELLING-
Sterile

• In the OR at the time of primary or secondary TEP
Classic Indwelling
Rapid Response

- **Diameter Options:** 16Fr and 20Fr
- **Options:**
  - **Special Length** in mm: 5, 7, 9, 11, 13, 25 (only in 20Fr)
  - **Increased Resistance (IR):** 4, 6, 8, 10, 12, 14
  - **Large Esophageal Flange (LEF):** 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
  - **LEF + IR:** 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
  - **LEF + Large Tracheal Flange (LTF):** 4, 6, 8, 10, 12, 14
  - **TEP Occluder:** 4, 6, 8, 10, 12, 14
  - **LEF + TEP Occluder:** 4, 6, 8, 10, 12, 14

- **Insertion Type:** Gel Cap (some difficulty with LEF)
- **Insertion Effort:** Minimal
- **Valve Type:** Hinged
- **Air Flow Resistance:** Low to Moderate
- **Durability:** Variable
- **Cost:** $227.80 each (+S/H)
- **Medicare Allows:** 1 per month if billed by a Physician Billing group
- **Medicare Reimburses:** $79.18 (80% of $98.98) for Michigan
- **PROS:** cost, insertion by clinician
- **CONS:** cost, insertion by clinician
WHEN TO USE THE CLASSIC INDWELLING-Rapid Response

- Special Needs Situations
- Reduced tissue integrity
- Sub-optimal TEP location
- Gastric Filling
- Altered or irregular shape of TEP
- Dilated TEP (leaking around)
- To stent the TEP without need for sound production
Advantage: Hard Valve or Soft Valve Assembly

- **Diameter Options**: 16Fr and 20Fr
- **Length Options in mm**: 4, 6, 8, 10, 12, 14, 16, 18, 20, 22
- **Insertion Type**: Gel Cap
- **Insertion Effort**: Minimal
- **Valve Type**: Hinged (snapped in?)
- **Air Flow Resistance**: Low to Moderate
- **Durability**: Moderate to High
- **Cost**: $301.80 each (+S/H)
- **Medicare Allows**: 1 per month if billed by a PBG
- **Medicare Reimburses**: $79.18 (80% of $98.98) for Michigan
- **PROS**: insertion by clinician, Anti-fungal additive (silver oxide) incorporated in valve, in-situ cleaning
- **CONS**: cost, insertion by clinician
WHEN TO USE THE ADVANTAGE

• Secondary fitting
• Reduced tissue integrity
• Sub-optimal TEP location
• Patient unable to independently manage voice prosthesis
• Premature Prosthesis Failure
Dual Valve

• **Diameter Options**: 20Fr
• **Length Options in mm**: 6, 8, 10, 12, 14
• **Insertion Type**: Gel Cap
• **Insertion Effort**: Minimal
• **Valve Type**: Hinged (snapped in?)
• **Air Flow Resistance**: Low
• **Durability**: Moderate to High

• **Cost**: $350.00 each (+S/H)
• **Medicare Allows**: 1 per month if billed by a PBG
• **Medicare Reimburses**: $79.18 (80% of $98.98) for Michigan
• **PROS**: insertion by clinician, Anti-fungal additive (silver oxide) incorporated in valve, in-situ cleaning
• **CONS**: cost, insertion by clinician
WHEN TO USE THE DUAL VALVE

• Secondary fitting
• Reduced tissue integrity
• Sub-optimal TEP location
• Patient unable to independently manage voice prosthesis
• Premature Prosthesis Failure

**NOT AN INCREASED RESISTANT PROSTHESIS**
Atos Medical
The Provvox Collection
Non Indwelling (NID)
Non Indwelling (NID)

- **Diameter Options**: 17Fr. And 20Fr
- **Length Options**: 6, 8, 10, 12, 14, 18
- **Insertion Type**: Forced insertion
- **Insertion Effort**: Minimal to Moderate
- **Valve Type**: Hinged (glued in?)
- **Air Flow Resistance**: Low
- **Durability**: Variable
- **Cost**: $86.00 each (+S/H)
- **Medicare Allows**: 2 per month
- **Medicare Reimburses**: $37.96 for Michigan
- **PROS**: cost, insertion by patient or clinician, has polypropylene string with safety medallion, in-situ cleaning possible with dedicated cleaning tools
- **CONS**: insertion
WHEN TO USE THE NID

• Initial fitting
• Good tissue integrity
• Patient ready/willing/able to independently manage voice prosthesis
• No insurance or cost is an issue
Provox (1)

- **Diameter Options**: 22.5 Fr.
- **Length Options in mm**: 4.5, 6, 8, 10
- **Insertion Type**: Retrograde (ie. through mouth and pharynx) insertion via guidewire
- **Insertion Effort**: Minimal to Moderate+
- **Valve Type**: Hinged (glued in?)
- **Air Flow Resistance**: Low
- **Durability**: Moderate to High
- **Cost**: $271.00 each (+S/H)
- **Medicare Allows**: 1 per month if billed by PBG
- **Medicare Reimburses**: $79.18 (80% of $98.98) for Michigan
- **PROS**: cost, insertion by clinician, in-situ cleaning possible with dedicated cleaning tools, Candida-resistant blue ring
- **CONS**: cost, Retrograde insertion
WHEN TO USE THE PROVOX 1

• Secondary fitting *my preference
• Good tissue integrity
• Premature failure due to yeast colonization
• Difficult anterograde (through TEP) insertion
• At time of Surgery
Provox 2

- **Diameter Options**: 22.5 Fr.
- **Length Options**: 4.5, 6, 8, 10, 12.5, 15
- **Insertion Type**: Bi-Directional
  - Retrograde-through mouth and pharynx using a guidewire
  - Anterograde-through TEP via tube
- **Insertion Effort**: Minimal to Moderate+
- **Valve Type**: Hinged (glued in?)
- **Air Flow Resistance**: Low
- **Durability**: Moderate to High

- **Cost**: $235.00 each (+S/H)
- **Medicare Allows**: 1 per month if billed by a PBG
- **Medicare Reimburses**: $79.18 (80% of $98.98) for Michigan
- **PROS**: cost, insertion by clinician, in-situ cleaning possible with dedicated cleaning tools, bi-directional insertion, Candida-resistant blue ring
- **CONS**: cost, insertion
WHEN TO USE THE PROVOX 2

• Secondary fitting *my preference
• Good tissue integrity
• Premature failure due to yeast colonization
• Difficult anterograde (through TEP) insertion
• At time of Surgery

Artwork by Nat Quick and courtesy of Meaghan Kane Benjamin
Vega

- **Diameter Options**: 17Fr., 20Fr. And 22.5 Fr.
- **Length Options in mm**: 4, 6, 8, 10, 12.5, 15
- **Insertion Type**: Tubal (SmartInserter)
- **Insertion Effort**: Minimal to Moderate+
- **Valve Type**: Hinged (snapped in)
- **Air Flow Resistance**: Low
- **Durability**: Moderate to High
- **Cost**: $228.00 each (+S/H)
- **Medicare Allows**: 1 per month if billed by PBG
- **Medicare Reimburses**: $79.18 (80% of $98.98) for Michigan
- **PROS**: cost, insertion by clinician, in-situ cleaning possible with dedicated cleaning tools, Candida-resistant blue ring, pre-loaded, sterile
- **CONS**: cost, insertion
WHEN TO USE THE VEGA

• Secondary fitting *my preference
• Good tissue integrity
• Premature failure due to yeast colonization
• At time of Surgery
ActiValve

- **Diameter Options:** 22.5 Fr.
- **Length Options:** 4.5, 6, 8, 10, 12.5
- **Insertion Type:**
- **Insertion Effort:**
- **Valve Type:** Hinged
- **Air Flow Resistance:** Moderate to High (Magnets)
  - Opening Force: Light, Strong, Xtra Strong
- **Durability:** Moderate to High
- **Cost:** $1719.00 each (+S/H)
- **Medicare Allows:** Get Prior Authorization
- **Medicare Reimburses:** $79.18 (80% of $98.98) for Michigan
- **PROS:** cost-promise by company to replace if failure within a year, insertion by clinician, in-situ cleaning possible with dedicated cleaning tools, candida-resistant valve and valve seat
- **CONS:** cost-VERY expensive
WHEN TO USE THE ACTIVALVE

• Secondary fitting
• Good tissue integrity
• Premature failure due to yeast colonization (5 consecutive failures of 4-8 weeks or less)
• Inadvertent valve opening due to back pressure

**Get prior authorization from Insurance**
SHIPPING AND HANDLING RATES

ATOS MEDICAL
- $12.00 Regardless of package size

INHEALTH TECHNOLOGIES
- $8.50 Ground (5 days)
- $12.50 3 Day
- $15.50 2 Day
- $24.10 Over night
Questions???

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