

## Trach/Vent Clinic ≠ AERO clinic

#### Trach/Vent clinic

ENT Surgeon Pediatric Pulmonologist Nutrition Audiology (often)

Patients have trach +/- ventilator

### **Aerodigestive Clinic**

ENT surgeon
Pediatric pulmonologist
SLP
-- Still working on Ped GI --

No trach/vent OP dysphagia, upper airway obstruction, sialorrhea; TEF repair patients, anyone who could benefit from pulm/ENT



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# **Evolved Transition from Inpatient to Outpatient**

#### 2015

- ENT Nurse Practitioner
- Ped Pulm Nurse Practitioner
- Pediatric Enhanced Care Team
- · Discharge Checklist
- · Outpatient Trach/Vent Clinic

#### 2024

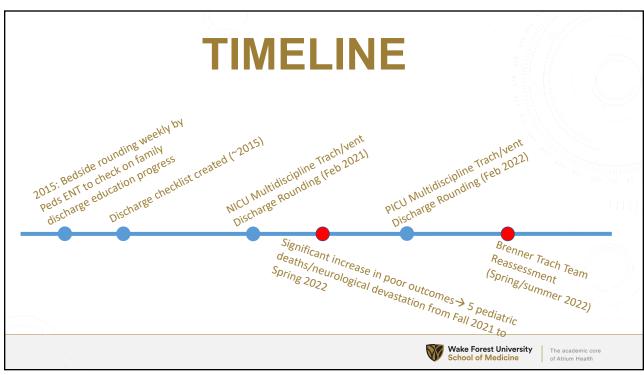
- ENT Nurse Practitioner
- Ped Pulm Nurse Practitioner
- Pediatric Enhanced Care Team
- Discharge Checklist EVOLVED
- Outpatient Trach/Vent Clinic
- PLUS
- Trach Navigator RT
- NICU & PICU Discharge rounds
- 24 hour room ins

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## **Trend in Worse outcomes**

- 4 yo trach/vent with SMA: Died at home on 10/2021, found down by parent in the morning (no nursing)
- 16 mo trach/vent: October 2021 arrest with poor neurologic outcome (no nursing, trach dislodgement in a child with grade 3 subglottic stenosis)
- 7 mo trach/vent: Arrested 3/2022 at home with poor neurologic outcome (No nursing, no pulse oximeter on)
- 6 yo trach/vent with SMA: Found down April 2022 at home, went into hospice home and died ~ 5 weeks after (No nursing, no pulse oximeter on, cardiac arrest)
- teen, trach only: Died at home on 4/2022 within months of discharge (found down, no pulse oximeter on, no nursing)
- 10 mo trach/vent cardiac arrest 10/2022 with 40 minutes of down time, survived with severe neurological devastation (no pulse oximeter on, no nursing)
- 5 y.o. trach/vent following MVC- died at home September 2023: found down at home, no nursing, no pulse oximeter (home download showing no pulse oximeter use for > 2 months at home)



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# **TRACH Team reassessment**

### What's different?

- Increase in medical complexity and surviving
- · Increase in trach placement
- · Poor home health nursing coverage
- · Larger units, larger staff
- Individual rooms

#### What Can We Control?

- · Parent education
  - Pre-trach info meetings
  - Emphasize amount of time needed for training
  - · Emphasizing pulse ox use
  - · Simulate being on your own at home
  - Stricter discharge checklist education adherence
- · Staff education
- Standardazied discharge policies across units
- Trach/vent navigators: help with continuity and education



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### **Current Discharge Checklist** Step 1 - Get READY: Prep Time & Planning!! Discharge Prep Information & Expectations Meeting (with pulmonology, ENT, enhanced care, primary team, social work, others as needed)

1. Discuss plan of care post-trach placement

2. Review training checklist

Review expectations for care/education needs/visitation needs

4. Goal of completing checklist within 1 month of trach placement (as able based on child's medical stability)

5. Identify minimum of 2 primary caregivers for training

6. Review Discharge Criteria:

· Completion of checklist/demonstrated competency in needed skills

Successful rooming-in period of at least 2 – 12 hour stays for <u>each</u> primary caregiver

For Ventilated Patients:

· Successful transition to home ventilator

No major changes in vent settings x7 days; O2 requirement ≤ 1 lpm

Stable CBG with pCO2 <50 for 7 days prior to discharge home

Interview & choose home health nursing companies; Insurance needs

1. Interview in-hospital with nursing companies

2. Decide on one (or more) companies

Meet with your child's potential nurses in person/video conference

Apply for insurance approval of PDN (SW/CC will help with this)

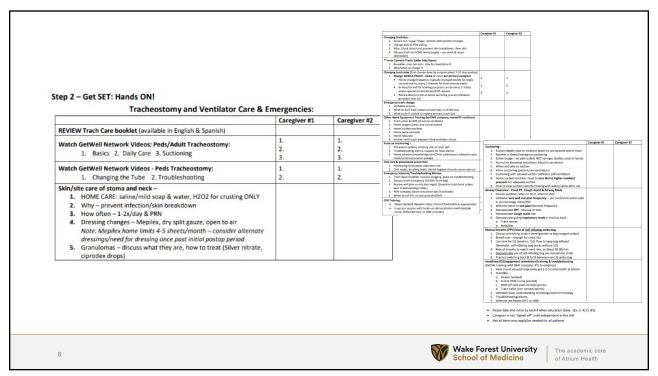
Apply for SSI/Medicaid if needed

Choose DME company

· Schedule home electrical check



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	Caregiver #1	Caregiver #2		Caregiver #1	Caregiver #2
Enteral Feedings/Cares (GT/IT/G)  1. Minag feedings (Written instructions from nutrition prior to DC)  2. Giving feed (including setting up pump; gravity bolus if applicable)  Care & Cleaning of GT/IT/GIT Sites:  3. Stic care/Celenaming of GT/IT/GIT Sites:  3. Stic care/Celenaming of Georgian (including setting of the Common of the Comm	Caregiver #1	Largeer #2	Travel Prep & Packing —  1. Set up blue trach emergency "go bag"  2. Set up travel supply bag - trach go bag along with other supplies  3. Discuss additional needed equipment/supplies - suction machine, ventilator (if applicable), Oz. puise ox, power corsk, feeding pump, meds, formula, etc.  Take a walk! —  Pack up needed travel supplies into stroller/wheelchair for travel (using home equipment)  Place onto travel vent circuit with HME  Valk around/off unit with nurse/RT.  Room INI Time to put all those skills together —  All other training needs to be completed prior to rooming in  To be done with & using home equipment (home pulse ox, suction machine & needburgers at minimum)  I ideally completed at least 3-5 days prior to d  Minimum 2-12 bour strays (nod daylone night) for each primary	AM:	AM: Phi:
Therapies & Developmental Care (PT/O Physical/Occupational Therapy recommendations  1. Spilets/other aids  2. Mobility – runing, repositioning  3. Stretching/nercise/massage  4. Autonomic Oydunction  5. Indate: Practice tummy time – once cleared by surgery/GT sufficiently headed	T/Speech):		caregiver separately initiating all care. (see attached guidelines)  • Caregiver who is rooming in must remain awake during each session  • If needed, additional time may be added per request of caregivers or team, based on care needlyother circumstances  Plan for discharge transportation IN PLACE  1. Barriers identified and addressed  2. Car sea/car bed available and fit to child  3. Car seat test completed (MicUnfinants)	Additional:	Additional:
Speech therapy recommendations  1. Earing/oral skills/waslibox thrasples  2. Thickening call feeds an needed  2. Thickening call feeds an needed  3. Thickening call feeds an needed  4. Washington feets miting controlled to family  1. Wearing publishes  2. Wearing publishes  3. Need for cutf deflation			Strolley/wheelchair availables & at bedside by time of rooming in     Who will drive hild home? Plan for multipace/medical transport     only if unable to softly transport in private vehicle  Home Nursing (PON) staffed adequately for safe discharge     Amount of staffing to meet this requirement may vary based on the     needs of each child, social supports, etc.  Remember  Supplemental coxygen should be at 11PM or less and for ventilated patients.		
Additional Education Needs: (# extensive add specifi Wound care/shin issues Central Line Care Ostomy Care	ic care needs as nee	ded)	Supplemental oxygen should be at 12-who ir less and to wenhalest platents, 50 without changes in ventilator settings for at least 1 week prior to discha		ue staure at ress (IIdf)

