

# Enteral Delivery Systems: What They Look Like

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# Enteral Delivery Systems

## Objectives:

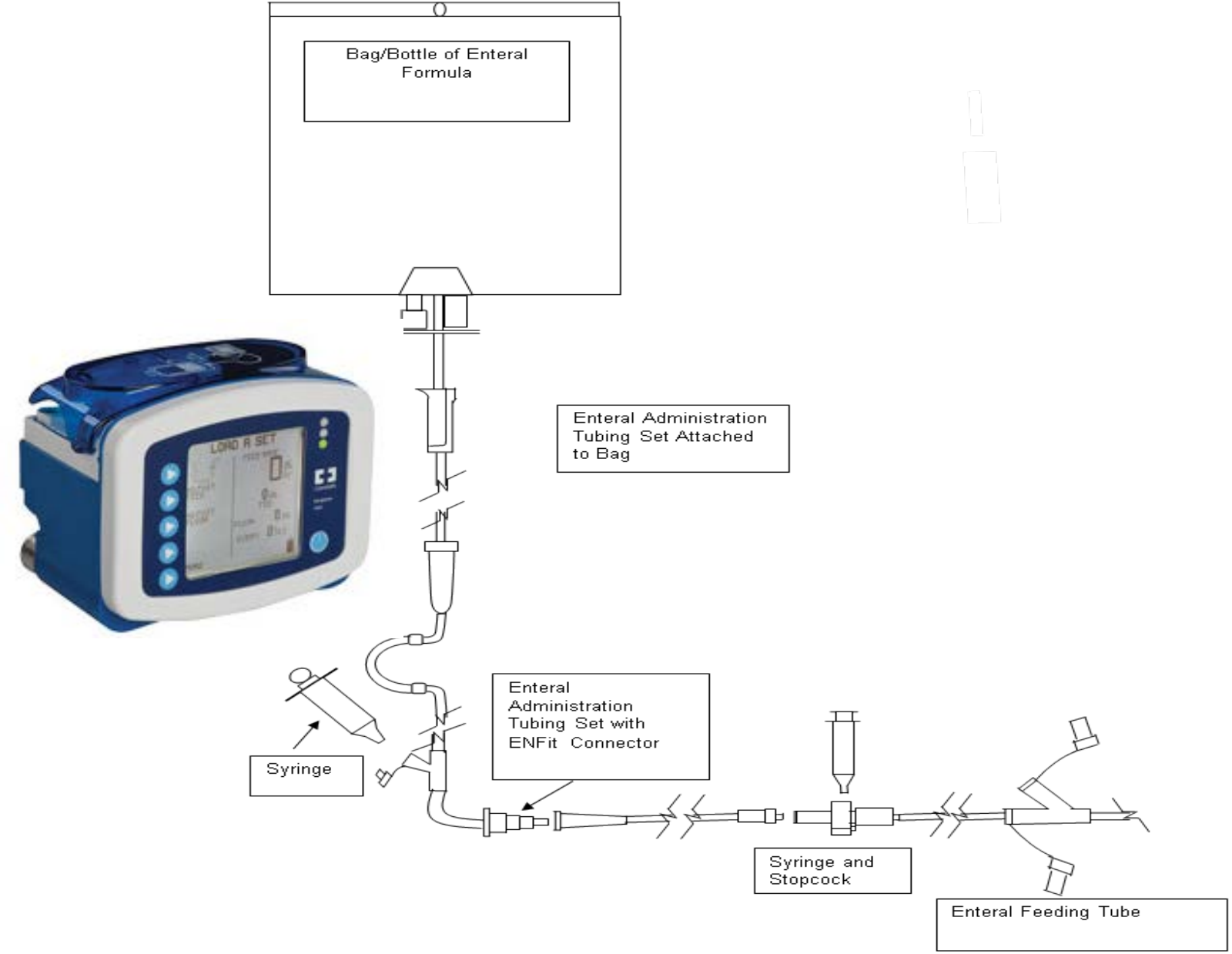
1. Outline variables that impact the EN delivery system
2. Discuss the different components of the EN delivery system
3. Share resources to obtain all of the components needed
3. Discuss some clinical challenges with the transition
4. Demonstrate a variety of enteral delivery systems

Disclaimer: ASPEN does not endorse any of the specific brands of products seen here.

# Enteral Delivery Systems

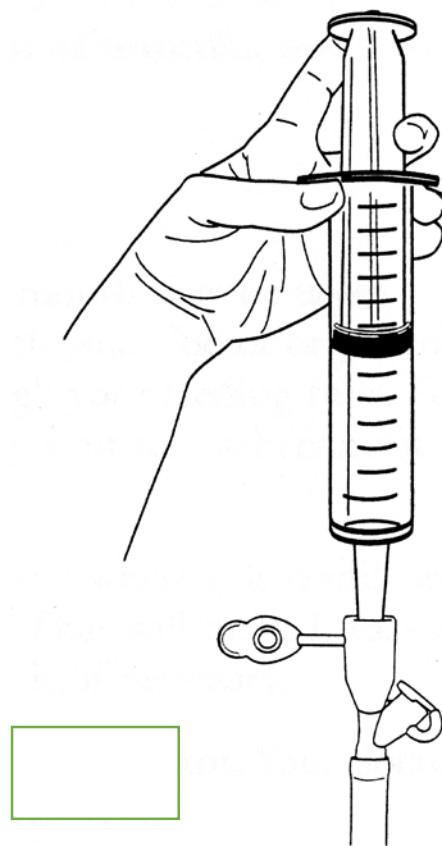
- Patient's Age
- Care Setting
  - ICU (NICU, PICU, ICU)
  - Home
- Type of Feeding Tube
  - Gastrojejunostomy
  - Drainage NG tube
- Method of Feeding
  - Bolus
  - Continuous
- Medications
  - Preparation
  - Administration
- Other – need for drainage

Nomenclature: ENFit, LEGACY, HYBRID– Use a common language



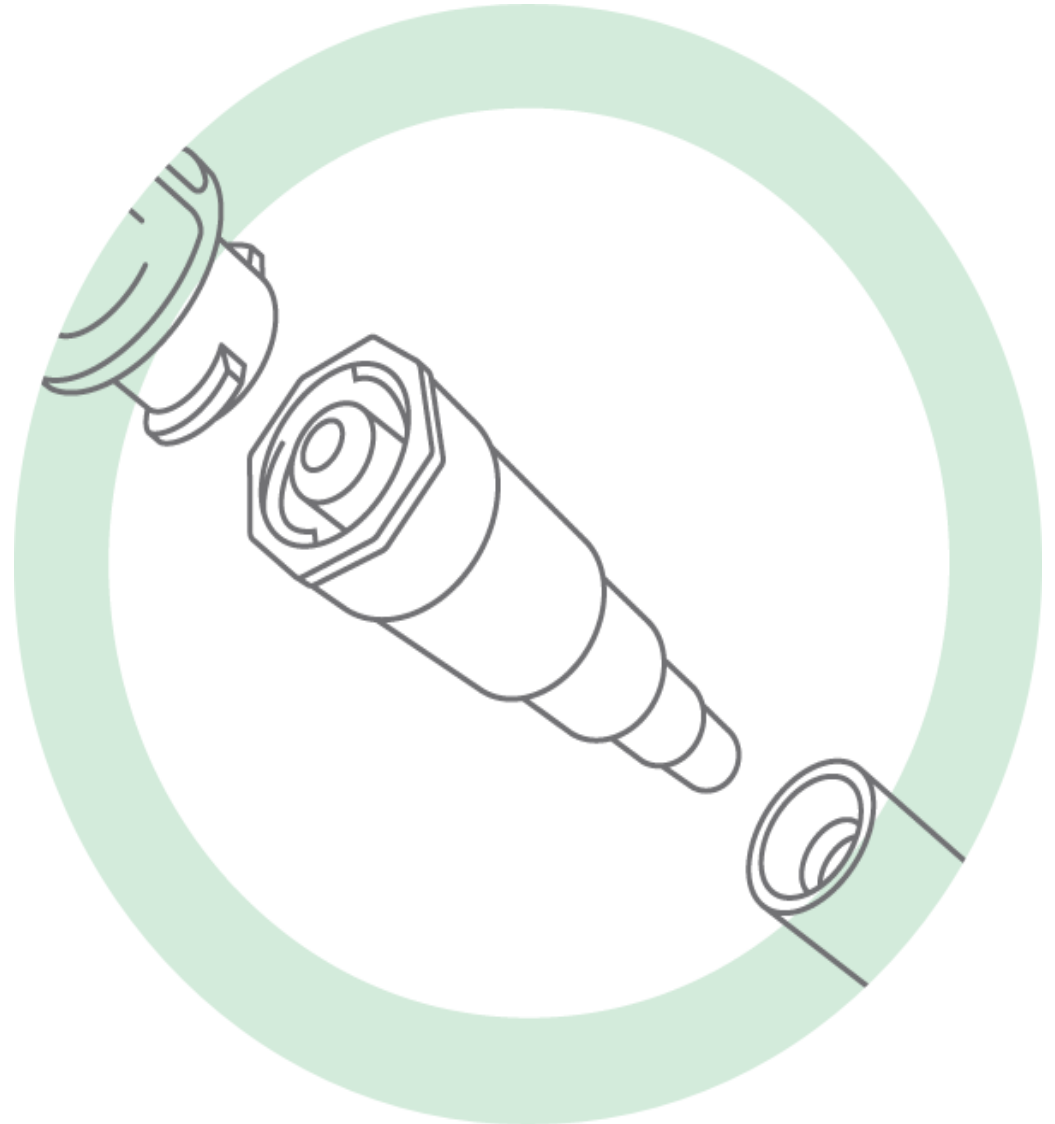
1. Feeding bag: either separate ready to hang or bag/container attached to administration set or syringe on syringe pump or neonatal EN pump
2. Administration set (giving set) either gravity or pump set
3. Extension tubing (not in all set-ups)
4. Stopcock like devices (Lopez valve for example)
5. Feeding Tube or enteral access device
6. Syringes
7. Other optional devices for decompression (venting or drainage devices)
8. Medication preparation and administration devices

# Enteral Delivery Systems



# Patient-Access ENFit Transition Set Connector

- Allows fitment to legacy feeding ports until ENFit enteral feeding tubes are placed in patients.
- Will be available with the administration set for a year or so of transition.
- Will be available separately as well.



# Clinical Challenges with Transition

- Off Label Use of other Tubes
- Drainage and Venting
- Cleaning

# Off Label Use of Other Tubes

- Salem sump- used for nasogastric suction and decompression
- Often used in ICU patients on mechanical ventilation to trial EN feedings for a few days to see if the feedings are tolerated before a feeding tube can be placed





# Early Feeding Through a Salem Sump via Various Enteral Access Connectors

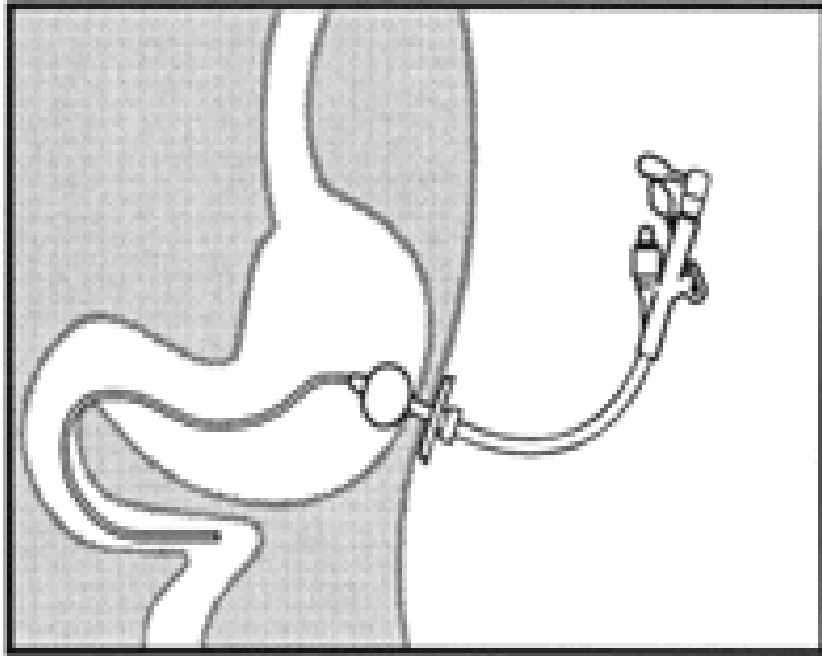


# Off Label Use of Other Tubes

- Red rubber or robinson catheter- urological or other drainage tubes. For feeding are used as NG in head and neck surgery or as a surgical jejunostomy tube
- Foley catheter- sometimes used as an emergency gastrostomy tube replacement



# Drainage Through Multi-lumen Tubes



**Current Style Ports – Not ENFit**



# Venting and Drainage



# Adapter to Link ENFit tube to Drainage Bag or Cath-tip syringe



Transition Funnel Connector

# Medication Preparation Devices

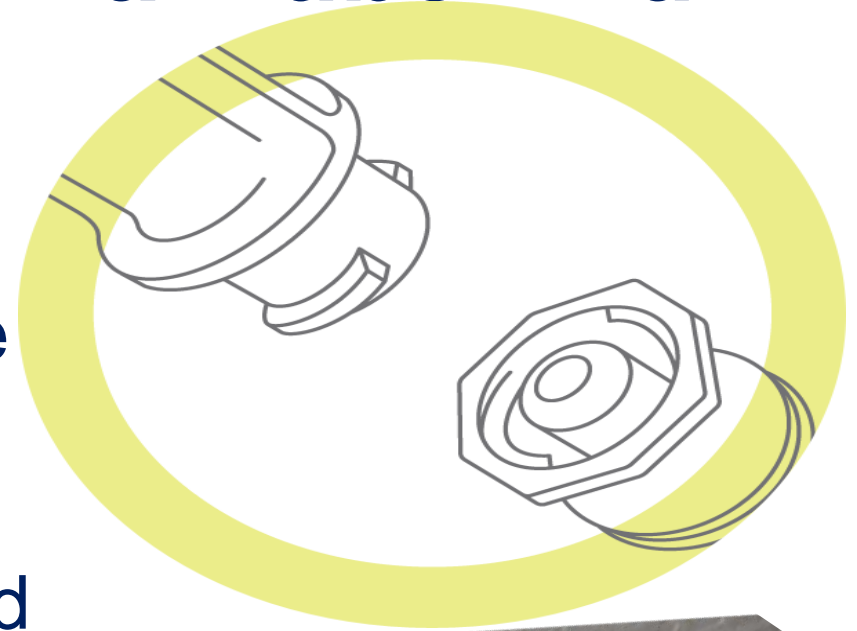
**Medication Preparation and Administration Procedures and Video**

[www.stayconnected.org](http://www.stayconnected.org)



# Cleaning the Proximal Tube End

- Proximal end of feeding tube now a male end
- Will need periodic cleaning to remove medication and formula debris
- Suggest a brush like a toothbrush or bottle brush and warm water daily and prn for tubes, particularly those in the home
- Products on the market to perform cleaning (brush devices)
- Evidence-based protocols so microbial studies are needed



# Resources on Available Delivery System Products

- GEDSA – [www.stayconnected.org](http://www.stayconnected.org) Click on each member logo to access their ENFit products  
<http://stayconnected.org/applications/enfit/product-resources/>
- Feeding Tube Awareness Foundation has put together a list of available product resources  
<http://www.feedingtubeawareness.org/resources/supply-resources/enfit-products/>