Lost In Space: Lines and Tubes in the Wrong Places
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Objectives:
- Review normal position of central venous catheters
- Review normal position of pulmonary artery catheters
- Review normal position of endotracheal tubes
- Review normal position of nasogastric and feeding tubes

COMPLICATIONS: CHRONIC
- Non-function
- Catheter fragmentation
- Infection
Poor flow and drawback.
Decreased flow rates during dialysis.
COMPLICATIONS: CHRONIC

Non-function
Catheter fragmentation
Infection

No drawback of left internal jugular vein port that was placed 13 months earlier.
COMPLICATIONS: CHRONIC

Non-function
Catheter fragmentation
Infection
To evaluate circulatory volume under the following conditions:
- Heart failure
- Shock
- Acute valvular regurgitation
- Congenital heart disease
- Burns
- Renal disease

To monitor for complications of acute myocardial infarction
To monitor effects of certain cardiovascular drugs
Abnormal waveform analysis after Swan ganz catheter placement.

Postprocedural radiograph after Swan-Ganz placement.
Postprocedural radiograph after Swan-Ganz placement.
Postplacement endotracheal tube chest radiograph.