



# PEDIATRIC CENTRAL VENOUS LINES



## Escambia County, Florida - ALS/BLS Medical Protocol

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Central venous lines are indicated for administration of medications, delivery of chemotherapy, nutritional support, infusion of blood products, and blood draws.

Types of central venous lines include:

Broviac/Hickman

Port-a-Cath/Med-a-Port

**Percutaneous Intravenous Catheters (PIC).**

Central venous line emergencies include:

Catheter coming completely out

Bleeding at the site

Catheter broken in half

Blood embolus

Thrombus

Air embolus

Internal bleeding.

Signs of blood embolus/thrombus, air embolus, and internal bleeding:


1. Chest pain.
2. Cyanosis.
3. Dyspnea.
4. Shock.



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### Supportive Care

1. [Medical Supportive Care Protocol](#).
2. If catheter is completely out, apply direct pressure to site.
3. If there is bleeding at the site, apply direct pressure.
4. If catheter is broken in half, clamp end of remaining tube.
5. If suspected blood embolus, thrombus, or internal bleeding: clamp line.
6. If suspected air embolism, clamp line and place patient on left side.
7. Consider need for other protocols (e.g: [Pediatric Respiratory Emergencies](#)).

### ALS Level 1

None

### ALS Level 2 (*Physician Authorization Required*)


None



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