Module 3 Overview: Circulation

Learning objectives

- Accurately assess circulation in a child.
- Reliably identify signs of shock in a child.
- Understand the significance of severe acute malnutrition for the management of shock.
- Manage a child in shock (with and without severe acute malnutrition) with appropriate fluids and volumes.
- Demonstrate where and how to achieve vascular access in a child.
- Achieve intraosseous vascular access.

Participants

- Healthcare providers in any facility who are likely to manage sick patients, including physicians, nurses, and assistants.
- Teachers and trainers for healthcare professionals

Teaching tools

- Lecture: The module begins with a lecture that reviews assessment of circulation as well as basic management skills.
- Lecture: A second, shorter lecture reviews the diagnosis of severe acute malnutrition using images and text.
- Skills station: There are instructions for facilitators that describe general principles for teaching a skills station as well as each procedure that the participants should learn and demonstrate.
- Case scenarios: Scripted case scenarios that review recognition and initial management of shock and severe acute malnutrition priorities are included to guide the facilitator.

Equipment (see facilitator manual, p 62)

- Skills station
  1. Manikin for selecting sites for IV placement and performing intraosseous vascular access
  2. Intraosseous needles, an assortment of IV catheters, arm boards, T connectors, IV fluid bags, IV infusion sets
- Case scenarios: manikin and assorted vascular equipment as available for role playing, job aids for calculating fluid rates.

Assessment questions: Pre and post test questions and answers to be used with Module 3 when course is given in a modular fashion are included in the course material. There are also homework questions on pages 32-34 of the ETAT participant manual. The answers to the questions are on pages 72-73 of the ETAT facilitator manual.