Neonatal Skin Physiology and Pathophysiology

**Content Outline**

1. Fetal skin development
   1.1 Dermal/epidermal layers
   1.2 Keratinization
   1.3 Role of vernix caseosa

2. Biophysical Skin Parameters
   2.1 Transepidermal water loss
   2.2 Skin hydration
   2.3 Skin acidity

3. Neonatal Infections
   3.1 Staphylococcus aureus infections
      3.1.1 Bullous Impetigo
      3.1.2 Scalded skin syndrome
   3.2 Streptococcus Infections
   3.3 Omphalitis
   3.4 Candidiasis Infections
      3.4.1 Localized infection
      3.4.2 Congenital
      3.4.3 Disseminated

4. Herpes

**Reading Material Resources**

This self assessment module is based on the resources listed below.

*Biology and Function of Fetal and Pediatric Skin*, King, et al., Facial Plastic Surgical Clinics of North America, 21, 2013, pp 1-6