

## Objectives

- Discuss the pathophysiology of intraventricular hemorrhage
- Differentiate between the grades of periventricular hemorrhage
- Summarize the diagnosis, screening and clinical presentation and complications associated with intraventricular hemorrhage
- Identify outcomes and preventative measures for intraventricular hemorrhage

## Content Outline

1. Overview
2. Pathophysiology
  - a. Pathogenesis of grades I-III
  - b. Pathogenesis of grade IV
3. Incidence
4. Diagnosis
  - a. Timing
  - b. Clinical presentation
  - c. Screening
  - d. Grading system
5. Management
6. Associated Lesions and Complications
  - a. Periventricular hemorrhagic infarction
  - b. Periventricular leukomalacia
  - c. Post hemorrhagic hydrocephalus
    - i. Treatment
7. Outcomes
8. Prevention
  - a. Prenatal and delivery room
  - b. Postnatal
9. Conclusions

## Reading Material Resources

**Module GH1822: Intraventricular Hemorrhage** is based on the chapter listed below. A copy is included with the module.

Chapter 18, Golden Hours: Care of the Very Low Birth Weight Neonate, Bissinger, R.L., Annibale, D.J., and Fanning, B.A. The National Certification Corporation (NCC), Chicago, IL 2019.