**Newborn Nursery Curriculum**

**Bold Topics** below are those that interns should be familiar with after the Newborn Nursery rotation. Students will be exposed to many but not all of these.

The attending may use any format he/she wishes for these sessions: seminar, lecture, student presentation. Some may be covered at the bedside/on rounds, some by the students. Some of these are large topics that might require several teaching moments.

- OB Issues
  - Screening, serologies (antibody screen, rpr, etc)
  - GBS screening and disease
  - Toxemia-implications of disease and rx for infant
  - Maternal disease - implications for baby
  - Diabetes
  - SLE
  - ITP, ATP
  - Thyroid (Graves)

- Normal Newborn Exam/APGAR/Ballard Exam

- Neonatal Physical Exam Peculiarities
  - Skin
  - Hips
  - Murmurs
  - Red reflex
  - Kidney palp
  - Sacral dimples
  - 2 vessel cord

- LGA/SGA/Infants of Diabetic Mothers

- Dermatologic Conditions of the Newborn

- Congenital Anomalies-Common/Uncommon/Syndromes - including common variants

- Normal Newborn Discharge Instructions/Mommy Talk
  - Discharge teaching "Mom talks"
  - Car Seat Safety
  - Follow-up
    - Community resources and referral
    - At risk and high risk infants

- SIDS: Prevention, Back-to-sleep, etc
Neonatal Jaundice/Hematologic Disorders of the Newborn:

- ABO Incompatibility/Anemia/Polycythemia/Hemorrhagic Disease of the Newborn
  - Hyperbilirubinemia
    - Normal metabolism
    - Physiologic jaundice
      - breast feeding jaundice
    - Non-physiologic jaundice
    - Evaluation
      - screening
      - Bhutani curves
      - AAP guidelines for rx
    - Treatment
      - phototherapy
      - ex tx
  - Normal Newborn Routines
    - Vit K prophylaxis - what and why

The Amazing Newborn/ Temperament/Maternal-Infant Bonding

Siblings/Postpartum Depression/Colic/Fostering Sleeping Habits

Congenital Infections: TORCH/Neonatal HIV/ Hepatitis B and C/ Prenatal Screening

- Infectious Disease
  - HIV
  - Hep B and C
  - Herpes simplex
  - Chlamydia

Congenital Toxicological Syndromes/Medications in Breastfeeding

- Breastfeeding: Maternal Drugs
- Maternal drugs and impact on fetus (eg SSRIs, steroids, acutane, etc)
- Smoking and Substance Abuse

Neonatal Nutrition/Breastfeeding vs Formula Feeding/Basics of Breastfeeding

Newborn Feeding

- Formula
  - in hospital-when, how, how much
  - at home - types, prep, how much
  - solids
  - vits
  - Fe
- Breast
  - composition-nutritional and immunologic
  - physiology
  - "how to"
  - maternal diet
  - infant supplements
  - trouble-shooting
  - contraindications
□ Neonatal Sepsis/Meningitis/Signs and Symptoms of a Sick Infant

□ Infectious Disease
  ▪ GC-eye prophylaxis
  ▪ Bacterial
  ▪ Why infection is such a problem in newborn
  ▪ When to eval; when to rx

□ Circumcision/Congenital Hip Dysplasia
  ▪ Normal Newborn Routines:
    o Hip screening
    o Circumcision

□ Newborn Screening/Metabolic Diseases of the Newborn
  ▪ Newborn screening
    o Screening theory
    o Metabolic screening-for what diseases, how it works
    o Glucose
    o Hearing

□ The Neonatal Acute Abdomen
  ▪ Voiding - when delayed, causes, how and when to eval
  ▪ Stooling-when delayed, causes, how and when to eval
  ▪ Emesis/bilious emesis
  ▪ Abdominal masses

□ Other
  ▪ Normal Newborn Routines:
    o Umbilical cord care
    o Immunization-hep B

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