

## Maternal Fetal Medicine Objectives (CanMeds format)

### 1. Role: Medical Expert/Clinical Decision Maker

#### A. Knowledge of Basic Sciences:

- Physiology of pregnancy
- Endocrinology of pregnancy
- Pharmacology of pregnancy

#### B. Clinical Application of Knowledge

- Genetic Counseling/Screening
- Medical/Surgical Complications:
  - Renal
  - Cardiac
  - Hematologic
  - Hepatic
  - GI
  - Neurologic
  - Psychiatric
  - Respiratory
  - Autoimmune
  - Diabetes
  - Other Endocrinologic
- Infectious Diseases:
  - Viral (eg):
    - Hepatitis B
    - Hepatitis C
    - HIV
    - Chicken Pox
    - Parvovirus
    - Herpes
  - Bacterial (eg):
    - GBS
  - Protozoal (eg):
    - Toxoplasmosis
- Obstetric Complications:
  - Bleeding
  - Hypertension
  - PROM
  - Preterm Labour
  - Multiple Gestation
  - Critical Care
  - Growth Restriction
  - Post Dates Pregnancy
  - Fetal Death/Stillbirth
  - Fetal Hydrops
  - Abnormalities of Labour

- C. Appropriate and directed use of lab auxiliary testing (for topics see above)
- D. Analytic thinking regarding diagnosis/treatment options (for topics see above)
- E. Application of EBM (for topics see above)
- F. Technical/Procedural
  - Cesarean Delivery
  - Ultrasound
    - BPP
    - Basic Scan
  - Fetal Scalp Sampling
  - Tubal ligation at Cesarean Delivery
- G. Self Assessment of personal traits/expertise

## **2. Role: Communicator**

- A. Listens effectively
- B. Creation therapeutic relationship with patient/family/others
- C. Obtain and synthesize relevant history
- D. Present management plan
- E. Counseling and education patient/family (eg)
  - Genetic Counseling/Screening
  - Medical/Surgical Complications
  - Infectious Diseases
  - Obstetric Complications

## **3. Role: Collaborator**

- A. Identification and use of other physicians/health care professionals (eg.)
  - Other Consultant Physicians
  - Family physicians
  - Nursing
  - Psychology
  - Dietician
  - Diabetes nurse educator
  - Neonatal team
  - **Allied Health Professionals (updated sept. 06)**
- B. Involves patient/family in decision making
- C. Contributes to interdisciplinary team activities (for disciplines see above)

#### **4. Role: Manager**

- A. Ability to prioritize/designate tasks
- B. Utilizes resources appropriately
- C. Understands structure, funds, health care organization and works effectively/efficiently in it
- D. Effective utilization I.T.
- E. Optimize patient care, life-long learning and other activities
- F. Balances work/study and personal lives
- G. Functions in administrative capacity

#### **5. Role: Health Advocate**

- A. Identifies determinants of health that affect patient (psychosocial/economic/biologic/gender/age and cultural)
- B. Recognizes and responds to issues where advocacy is appropriate
- C. Access to information/public education (eg.)
  - Folic acid
  - Maternal serum screening/prenatal screening and diagnosis
  - Pap smear
  - Management of nausea and vomiting in pregnancy
- D. Access to treatment/care (eg.)
  - Social services
  - Support
    - Medication
    - Housing
    - Transportation

#### **6. Role: Scholar**

- A. Demonstrates evidence based medicine to manage patient/problem based learning (see topics of clinical application)
- B. Applies critical appraisal to medical information (see topics of clinical application)
- C. Implements learning portfolio to develop continuing education strategy
- D. Participation in research (see residents research information/package)
- E. Facilitates learning of patients, students and other personnel

#### **7. Role: Professional**

- A. Exhibits appropriate personal/interpersonal behavior
- B. Practice ethically consistent with obligations of a physician
- C. Delivers high quality care with integrity, honesty and compassion, sensitive to equity issues, legal issues

## Resident Evaluations - MFM Dr. J. Crane and Dr. T. Delaney

### A. OSCE's

1. IDDM
2. Twins
3. Growth Restriction
4. Cardiac Disease
5. Marfans
6. Asthma
7. Epilepsy
8. Thyroid Disease
9. Lupus
10. Parvovirus
11. Chicken Pox
12. Herpes
13. Jaundice
14. Hepatitis C
15. Dermatologic Disorders
16. Hydrops
17. Contraception Postpartum
18. Shoulder Dystocia
19. Post partum Hemorrhage
20. Vaginal Breech Delivery
21. Prenatal Diagnosis
22. Venous Thromboembolism
23. Rh Isoimmunization
24. Thrombocytopenia
25. Renal Disease

### B. Written Questions

MFM exam – 27 questions-short answer & multiple choice

- A. Short answer – 12 questions (Part 1)
  - B. Short answer – 8 questions (Part 1)
  - C. Short answer – prenatal diagnosis
  - D. Short answer – 10 questions (resident exam part I)
  - E. Short answer – ALARM/ALSO like 13 questions
  - F. Short answer – ALARM/ALSO like 12 questions
- Multiple Choice – Dermatologic disorders  
Multiple Choice – Hemalogic disorders  
Short Answer – Non Obstetric questions (Ottawa)  
Multiple Choice – Basic Sciences Questions

### C. Slides

- A. 1999 Review - 40 questions
- B. Slides – 9 questions
- C. Slides – 35 questions
- D. Slides - 18 questions
- E. Slides -11 questions (Part II)
- F. 1998 – 18 questions
- G. Slides – 18 questions