

## **Division of Maternal-Fetal Medicine**

The Division of Maternal-Fetal Medicine presently includes six board certified maternal-fetal specialists. They are: Kimberly K. Leslie, MD (Department Head), Stephen K. Hunter, MD, PhD., (Division Director), Jennifer R. Niebyl, MD, Asha Rijhsinghani, MD, Kristi Borowski, MD, and Mark Santillan, MD. Dr. Roger A. Williamson, double boarded in Genetics and Obstetrics, is also an Emeritus member of the Division. Dr. Borowski is board certified in clinical genetics.

Several hundred of the deliveries resulted from maternal transports. Roughly 70% of the patients delivered at the University of Iowa have clear cut medical, surgical, or obstetrical complications of pregnancy. There are almost 500 antepartum admissions per year. If demographic factors such as marital status, age, and socioeconomic status are included in the definition of high risk, at least 80% of the population is easily classified as high risk. The patients are cared for in a series of clinics.

The **High Risk Obstetric Clinic** meets three days a week. Many insulin dependent and gestationally diabetic women receive care through the High Risk Service annually. In addition, there is a representative sample of nearly all other complications of pregnancy.

**Genetic care** in the state is regionalized, and when indicated, the patient is referred to the University. The section of Obstetrical Genetics consists

of Dr. Kristi Borowski and Dr. Roger A. Williamson. A statewide maternal serum-screening program is regionalized by the central State Hygienic Laboratory by statute. Dr. Williamson is the physician coordinator for the program. Triple hormone screening began in June 1990, and some 14,000 women are screened each year. The Genetics Section encounters approximately 1,300 patients annually. Of these, about 500 undergo amniocentesis or CVS. During six half-day sessions per week, evaluation and counseling of patients of known or presumed risk for genetic disorders is carried out. The Genetics Clinic is a part of the Department of Obstetrics and Gynecology and it enjoys a close working relationship with the Division of Medical Genetics in the Department of Pediatrics.

The University of Iowa has a well-established multidisciplinary **Fetal Diagnosis and Treatment Unit** under the direction of Dr. Rijhsinghani. Level II scans, anomaly consultations, and interventional fetal procedures are carried out in this unit. Many cordocenteses and intravascular transfusions are performed each year. The major interest of the team is the development of fetal medicine.

The Obstetrics and Gynecology Ultrasound Program is certified by the American Institute of Ultrasound in Medicine (AIUM).

### ***Division Activities***

***Department of Obstetrics and Gynecology  
The University of Iowa, Iowa City, IA***

The division is approved for one maternal-fetal medicine fellow each year and a combined MFM-clinical genetics fellow every other year. Only 10 programs have such combined programs nationwide.

***Stephen K. Hunter, MD, PhD***  
***Division Director,***  
***Maternal-Fetal Medicine***

***Division Activities***  
***Department of Obstetrics and Gynecology***  
***The University of Iowa, Iowa City, IA***