

Rajiv Gandhi University of Health Sciences, Karnataka

Fellowship Examination – 17-Feb-2023

[Time: 3 Hours]**[Max. Marks: 100]****HIGH RISK PREGNANCY - PAPER – II****QP Code: 4234**

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

Answer All The Questions**10 X 10 = 100 Marks**

1. What is chromosome microarray analysis? What is the clinical application of chromosome microarray analysis?
2. What is pre-implantation genetic testing and different techniques used for it? Clinical applications of pre-implantation genetic testing
3. Discuss the role of Doppler ultrasound for fetal surveillance
4. A 26 year old woman in her first pregnancy attends for anomaly scanning at 20 weeks gestation. She has no abnormal red cell antibodies. The fetus is noted to have ascites, pleural effusions and generalised oedema. How will you counsel her?
5. If the scan suspects that the fetus is small for dates at 30 weeks. Justify your initial assessment and management of the case
6. A 35 year old woman at the eighth week of a singleton pregnancy wishes to discuss with you the options available to determine whether or not this fetus has Down's syndrome. How will you counsel her?
7. A 26 year old primiparous women returns from her 20 week anomaly scan. The scan has shown complete oligohydramnios. It was difficult to visualize the fetal anatomy due to the lack of liquor, but no obvious abnormalities were seen. The fetal bladder and kidneys were reported as normal. What would you tell the women? Outline your management
8. A 35 year old woman (gravida 1 para 0) attends the booking clinic at 12 weeks of gestation with a monochorionic – diamniotic twin pregnancy. What are the difficulties with antenatal screening for Aneuploidy in twin pregnancies and how should she be counseled? How should her antenatal care be planned?
9. An ultrasound scan performed at 17 weeks gestation following a raised serum alpha fetoprotein level shows the presence of an abdominal wall defect in the fetus. What would you tell the parents about this finding? Discuss the management of the same
10. A 25 year old woman at 26 weeks gestation with a single pregnancy has idiopathic polyhydramnios. Evaluate the treatment options

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