
 瑪麗醫院 QUEEN MARY HOSPITAL	<b>Department of Obstetrics and Gynaecology</b>	<b>Document No.</b>	OGPD0006(I)-E
		<b>Review Date</b>	Sept 2016
	<b>Subject</b> Counselling outline for women with positive Down syndrome screening	<b>Next Review Date</b>	Sept 2019
		<b>Approved by</b>	Prenatal Diagnosis and Counselling Team, TYH
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The following issues have been discussed with

Ms. \_\_\_\_\_ and Mr. \_\_\_\_\_  
 (pregnant woman) (partner)

1. Nature of Down syndrome.
2. The screen-positive result indicated that the chance of having a live born baby with Down syndrome is \_\_\_\_\_.
3. I / We can choose to have invasive prenatal diagnostic testing by chorionic villus sampling (CVS) or amniocentesis, or non-invasive prenatal testing at private clinic or no antenatal diagnosis.
4. Comparison between CVS and amniocentesis:

	CVS	Amniocentesis
<b>Procedure time</b>	11 to 13 weeks	16 to 20 weeks
<b>Samples / laboratory test</b>	Chorionic villi / chromosome studies	Amniocytes / chromosome studies
<b>Pain relief</b>	Abdominal injection of local analgesics	Analgesia not required
<b>Miscarriage risk</b>	0.1-0.2 %	
<b>Maternal risk</b>	Minimal	
<b>Cell culture failure rate</b>	Less than 1%	
<b>Test accuracy</b>	✧ Both tests are very accurate ✧ A small proportion of test results may show mosaicism which may require further investigation	
<b>Time required for full report</b>	3 weeks	
<b>Normal report interpretation</b>	Normal fetal chromosome constitution; but a normal report does not guarantee that the fetus is free from congenital abnormalities	

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**Polymerase Chain Reaction (Rapid test, provided by The University of Hong Kong)**

- Test on fetal cells for common aneuploidies in **4 pairs** of chromosomes: 13, 18, 21 (Down syndrome), and sex chromosomes.
  - Allows reporting of aneuploidies in the chromosomes mentioned above within three working days.
  - The rapid test charge is HK \$1,300 for 4 pairs of chromosomes.
  - Less than 1% of PCR reports will have inconclusive result or discordant chromosomal findings. The chromosome report will be adopted as the final report under such circumstances.
  - This test is optional. If I / we decide to have the test, I / we have to inform the staff before invasive procedure.
  - Result will be informed by phone within 3 working days.
5. If I / we prefer not to have invasive prenatal diagnostic testing, I / we may consider undergoing non-invasive prenatal testing which is provided by some private doctors or hospitals.
6. I / We understand that screening test cannot be used to diagnose fetal Down syndrome. A screen positive result does not mean that the fetus has Down syndrome.

I / We decide to undergo:

- Chorionic villus sampling
- Amniocentesis
- No antenatal diagnosis
- Others: \_\_\_\_\_

7. Fetal sex will be known following chorionic villus sampling or amniocentesis.  
 I / We prefer **to know** / **not to know** the fetal sex.

\_\_\_\_\_  
 Pregnant woman

\_\_\_\_\_  
 Partner

\_\_\_\_\_  
 Doctor / Nurse

\_\_\_\_\_  
 Date