



## Course Design

The course comprises of *lectures (22 hours)* and *clinical attachment (optional, 6 hours)*.

**Lectures:** All lectures are scheduled on Saturday afternoon between 14:30 and 17:00. English will be the major teaching language. A few talks may be conducted in Mandarin

**Clinical Attachment:** A total of 2 sessions (3 hours each) will be arranged during the course. Although the attachment is optional, students are encouraged to take the opportunity to observe and learn the application, operation and techniques of an ultrasound examination.

**Course Assessment & Award:** The assessment will be in the form of multiple choice questions at the end of the course. Certificate of the course will be granted if you attend more than 80% of lectures and correctly answered 65% of examination questions. There is no retake of examination. Attendance certificate will be given if you failed the examination but achieved 80% attendance rate.

**Target Participants:** The course is primarily designed for practicing midwives who have special interest in obstetric ultrasonography or those who may have the opportunity of perform ultrasound scans themselves. This course will be also useful for obstetric and radiological trainees who may perform obstetric ultrasound examinations. Specialists who want to refresh their knowledge are also welcome.

## Speakers

<b>CHAN Lin Wai</b>	Consultant, Dept of O&G, UCH
<b>CHAN Shing Chee</b>	Consultant, Dept of O&G, PWH
<b>CHAN Wan Pang</b>	Consultant, Dept of O&G, PMH
<b>CHU Winnie</b>	Professor, Dept of Imaging and Interventional Radiology, CUHK
<b>HO SY Stella</b>	Consultant Radiographer, Dept of Imaging and Interventional Radiology, CUHK
<b>LAU Tze Kin</b>	Chairman, The Chinese Fetal Medicine Foundation
<b>LAW Kwok Ming</b>	Clinical Professional Consultant, Dept of O&G, CUHK
<b>LAW Lai Wa</b>	Associate Consultant, Dept of O&G, PWH
<b>LEE Chin Peng</b>	Consultant, Dept of O&G, QMH
<b>LEUNG Kwok Yin</b>	COS, Dept of O&G, QEH
<b>LEUNG Tak Yeung</b>	Professor, Dept of O&G, CUHK
<b>LO Tsz Kin</b>	Associate Consultant, Dept of O&G, KWH
<b>SUEN Sik Hung</b>	Specialist, Dept of O&G, Prestige Medical Centre
<b>TING Yuen Ha</b>	Clinical Professional Consultant, Dept of O&G, CUHK
<b>Wong Alyssa</b>	Associate Consultant, Dept of O&G, PWH
<b>XIE Hongning</b>	Professor, Dept of Ultrasound, First Affiliated Hospital of Sun Yat-sen University

## 3 Mar (2:30pm-5:00pm)

5 min	Introduction	TY Leung
25 min	Physics of ultrasound	Stella Ho
30 min	Gestational assessment in 1st and 2nd trimester	TY Leung
30 min	Assessment of fetal growth disorders	TY Leung
30 min	Early pregnancy problems and transvaginal scanning techniques	Alyssa Wong
30 min	Basic skill of scanning and care of the machine	TY Leung

## 17 Mar (2:30pm-5:00pm)

30 min	USG of the GI tract & abdominal wall: normal anatomy & anomalies	YH Ting
30 min	USG of the urogenital system: normal anatomy and anomalies	TK Lo
30 min	USG measurement of uterine cervical length	YH Ting
30 min	Assessment and disorders of liquor volume and placenta	TK Lo
30 min	USG of hepato-biliary system: normal anatomy and anomalies	YH Ting

## 31 Mar (2:30pm-5:00pm)

30 min	Principle of Doppler, color Doppler, power Doppler	Stella Ho
30 min	Hydrops fetalis	WP Chan
30 min	Assessment of fetal anaemia	KY Leung
30 min	USG of the face and neck: normal anatomy and anomalies	WP Chan
30 min	Introduction to 3-D & 4-D ultrasound	KY Leung

## 14 Apr (2:30pm-5:00pm)

30 min	USG of skeleton: normal anatomy and anomalies	TK Lau
30 min	USG diagnosis of multiple pregnancy and choriomanionicity	LW Law
30 min	USG diagnosis and assessment of complication of Twins	TK Lau
30 min	Biophysical methods of assessment of fetal well-being & uterine arterial Doppler	LW Law
30 min	Live demonstration / Case Discussion	TK Lau

## 21 Apr (2:30pm-5:00pm)

30 min	Down's screening principle and strategy	TY Leung
30 min	1 <sup>st</sup> trimester ultrasonographic markers of chromosomal abnormalities	SH Suen
30 min	2 <sup>nd</sup> trimester Ultrasonographic markers of chromosomal abnormalities	SH Suen
30 min	Case Discussion	TY Leung
30 min	Invasive diagnostic methods	TY Leung

## 5 May (2:30pm-5:00pm)

30 min	USG of the heart: normal anatomy	KM Law
30 min	USG of the heart: abnormal chambers	HL Xie
30 min	USG of the heart: abnormal outflow	HL Xie
30 min	Live demonstration / case discussion	HL Xie
30 min	Bioeffects, safety and Artifacts of ultrasound	Stella Ho

## 19 May (2:30pm-5:00pm)

30 min	USG of the lung and pleural cavity: normal anatomy and anomalies	Daniel Chan
30 min	USG of CNS: normal anatomy	TY Leung
30 min	USG of CNS: anomalies	Daniel Chan
30 min	Case Discussion	TY Leung
30 min	2nd trimester morphology assessment: overview	Daniel Chan

## 2 Jun (2:30pm-5:00pm)

30 min	1st trimester morphology assessment: overview	TY Leung
30 min	Introduction of MRI in prenatal diagnosis	Winnie Chu
30 min	Fetal anomalies: Principles of management	TY Leung
30 min	Introduction to Perineal ultrasound	SC Chan
30 min	Revision	TY Leung

## 30 Jun (2:30pm-4:30pm)

120 min	Examination and course evaluation	
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