

- 1. Explore the Pregnancy!
- 2. Pregnancy Dating pregnancy wheel
- 3. Obstetrical History Antenatal 1 and 2 forms
- 4. Labs
- 5. Physical Exam
- 6. Genetic Screening and Testing
- 7. Diagnostic Imaging

Module 13: Objectives/ Topics

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Feelings

- · How do you feel about being pregnant?
- How do you feel about the new baby?

Impressions

What are your ideas about where to go from here?

Functioning

- How does the pregnancy effect your every day life?
- What sort of supports do you have?

Expectations

- How can I help?
- · How can we work together?

Patient Centered Model

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Very accurate – both urine and serum will become positive within 7-10 days of conception
 An accurate predictor if negative pregnancy test followed within 2 weeks by a positive test



Positive Pregnancy Tests

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GTPAL TPAL describes the "para"

Gravida/ Term-Preterm-Abortion-Living

- G = number of pregnancies, including the current one
- T = number of term pregnancies, terminating after 36 weeks gestation
- P = number of premature pregnancies terminating 20 36 weeks gestation
- A = number of aborted pregnancies terminating before 20 weeks gestation (spontaneous or therapeutic)
- L = number of living children

Terminology

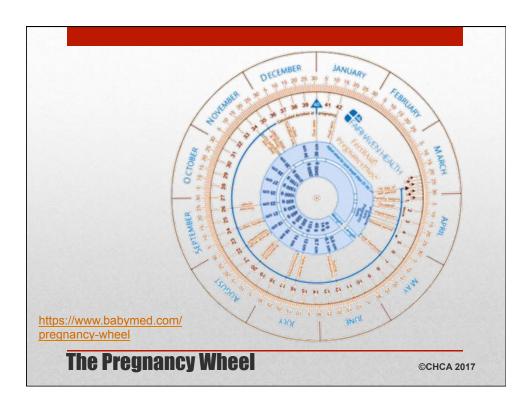
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- "Gold standard" if normal flow & frequency
- Disadvantages:
- Patients do not always remember LNMP (especially when presenting late for care)
- May be mistaken for implantation bleeding
- May be difficult to determine for Depo users
- With BCPs, first ovulation after cessation of BCPs is frequently delayed from 2-6 weeks



Last Normal Menstrual Period

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Why is this important?

- Enables expectant mother, family, and provider to know when to expect onset of labor
- Assessment and management of preterm labour, IUGR, postdates, and PROM
- Scheduling various diagnostic testing or procedures, including Glucose Tolerance, IPS amniocentesis, C-section, or induction of labour
- Ongoing management of maternal diseases (ie. DM, HTN, PIH, renal disease)

Gestational Age Assessment

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- · Incorrect recall of LMP
- Irregular menses
- Incorrect measurement of ultrasound images
- · Late registration for prenatal care
- Inaccurate home pregnancy test
- Molar gestation
- Conception during amenorrhea
- Uterine fibroids or pelvic masses
- Multiple gestation
- · Implantation bleeding
- Obesity
- · Conception during or after BCPs or Depo
- · Incorrect estimation of uterine size

Common Causes of Gestational Dating

Inaccuracies -- Early Pregnancy

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- · Your Provincial Prenatal Record
- Guidelines for Antenatal Screening & Testing

Example:

Ontario College of Family Physicians

http://ocfp.on.ca



Antenatal Records I and II

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Module 13 – Routine and High-Risk Prenatal, Post-Partum and Gynaecological Health Assessment

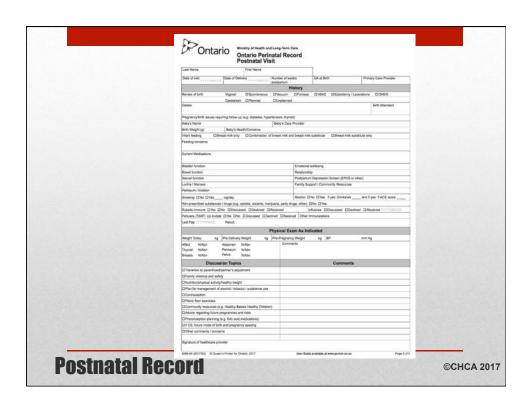
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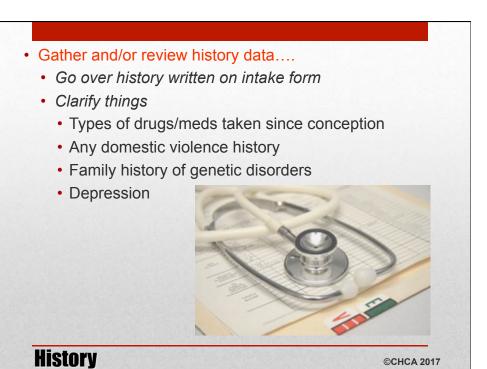
Module 13 – Routine and High-Risk Prenatal, Post-Partum and Gynaecological Health Assessment

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Last Name	First Name						
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	s it take to make you feel high?				52 dress = 0	> 2 dress = 1	
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	M to out down on your drinking?				145 = 0	Yes < 1	
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	Sing on top of me D No, I have D No, most		ped well + 1	Yes, most of the	Sime I heven't been	eble to cope = 3	
7. I have been so unhaps	py that I have had difficulty sle	eping D N	lot very often + 1		 Yes, most of the 	tine + 3	
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	ing myself has occurred to me	0.0	inly occasionally	-1	C Yea, most of the	Sine + 3	
	15-3 on item 10 indicates a risk of 9 Montor, support, and offer advocat		equires immedial	e mental health asse	essment and interve	ntion as appropriat	
Score > 1	12 Follow up with comprehensive bio-						
	Institute of Medicine \						
Prepregnancy Weight Category	Body Mass Index	Recommended : Total Weight in		Rates of Weight Go Agrick		hird Trimesters mean range)	
Underweight	Less than 18.5	12.5-18 kg (2	9-40)	0.5	100	(1-1.3)	
Normal Weight Overweight	18.5-24.9	7-11.5 kg (1:		0.4		(0.8-1)	
Obese (includes all classes	n) 30 and greater	5-0 kg (11-	200	0.2		(0.4-0.6)	
†Calculations assume a 0.6 t	to 2 kg (1.1 4.4 lb) weight gain in the	Srst trimester.					
5045-04 (2517/03)	on Boards Brown Street		The State of the	ble at www.gomch.on.		Page 4	







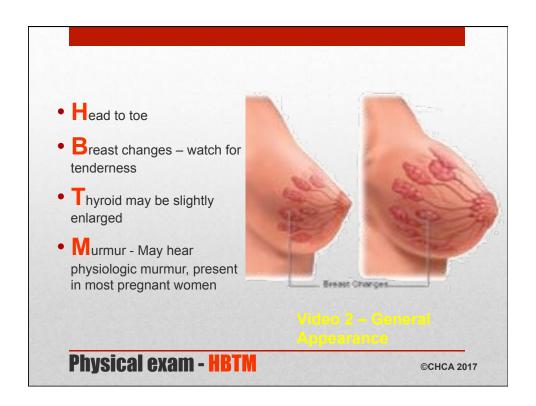


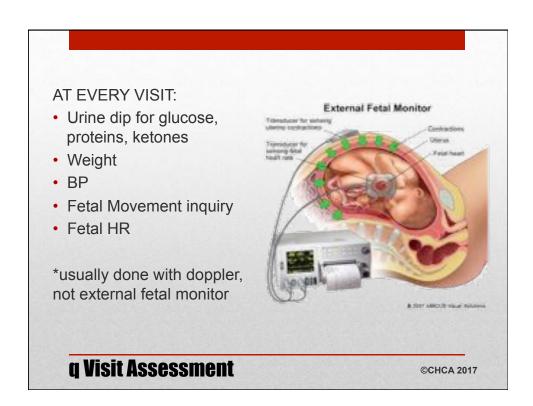
- Beck Depression Inventory
- Primary Care Evaluation of Mental Disorders Patient Health Questionnaire
- Center for Epidemiologic Studies Depression Scale
- Edinburgh Postnatal Depression Scale

Depression Screening Tools

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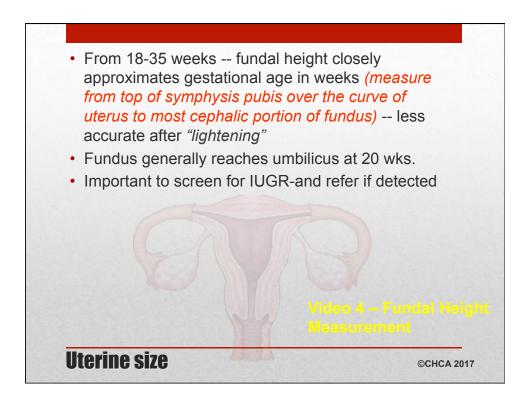


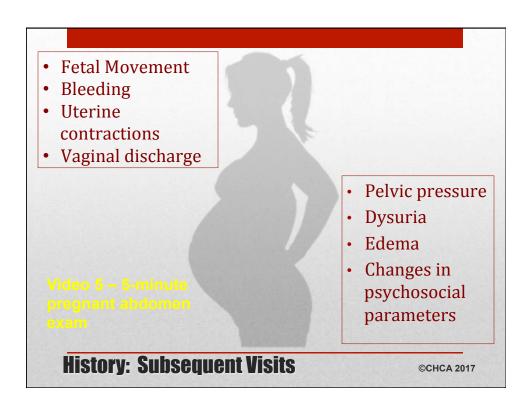














- Fetal malposition
- Fetal anomalies
- Polyhydramnios or Oligohydramnios
- Undiagnosed multiple gestation
- · IUGR or macrosomia
- Failure to record gestational milestones

Common Causes of Gestational Inaccuracies – High Risk-Late Pregnancy ©CHCA 2017



Initial

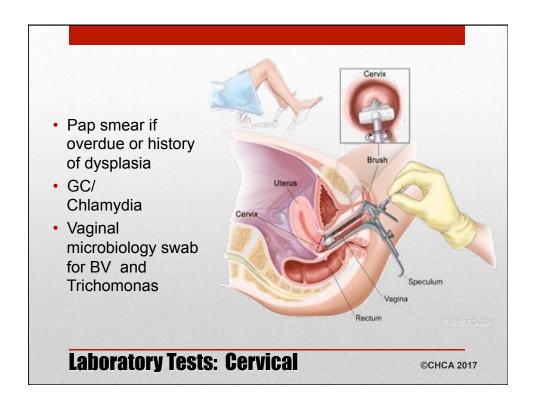
- CBC (or Hemoglobin & Hematocrit)
- ABO group and screen and Antibody screen
- Syphilis Serology (VDRL)
- Rubella and Varicella titres
- Hepatitis B Surface Antigen
- HIV screen offered to ALL pregnant women
- Ferritin level
- Drug screen (?)
- Sickle cell screen
- Cystic Fibrosis screening
- Early 1 hr GTT, if indicated

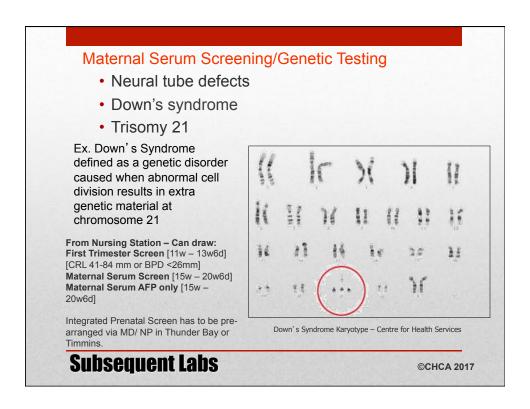


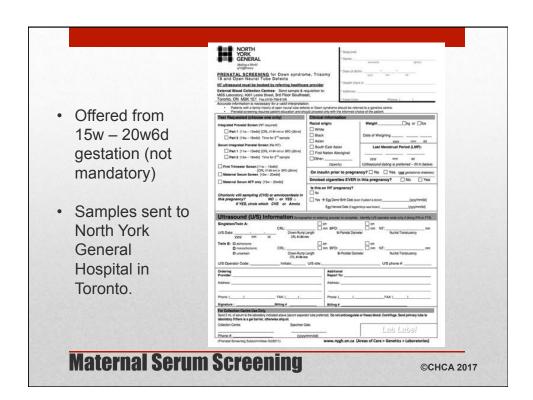
Laboratory Tests: Blood

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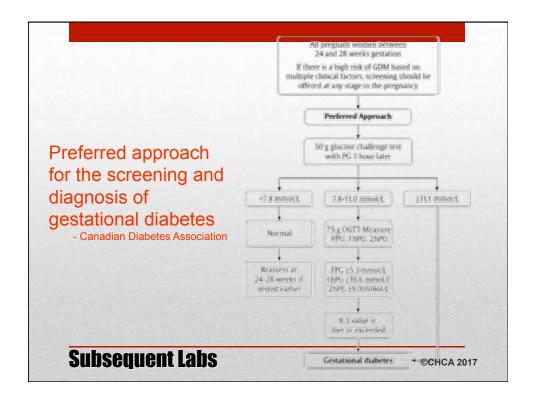




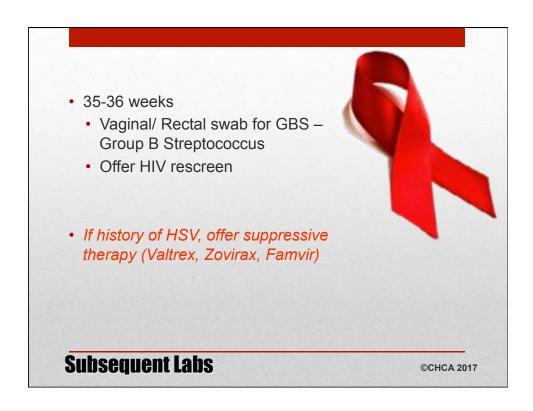
At 24-28 weeks gestation: • CBC • Ferritin • Antibody/Indirect Coomb's on Rh negative women - if negative, order Rhogam! • 50 Gramm, 1-hour OGTT • If necessary, proceed with 75 g OGTT, to make dx of gestational diabetes if values are: • Greater or equal to 5.3 mmol/L fasting, at one hour greater or equal to 10.6mmol/L and at two hours, greater or equal to 9.0 mmol/L

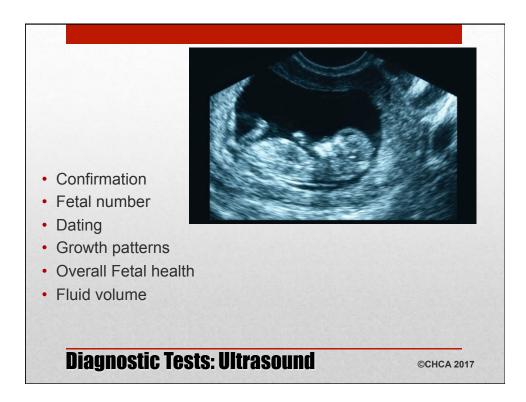
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Subsequent Labs



Module 13 – Routine and High-Risk Prenatal, Post-Partum and Gynaecological Health Assessment







- Specific ultrasound technique
- Looks at blood flow through the umbilical and uterine arteries
- Specifically useful for looking at uteroplacental insufficiency
 - IUGR
 - Postdates
 - · Results may be influenced by smoking

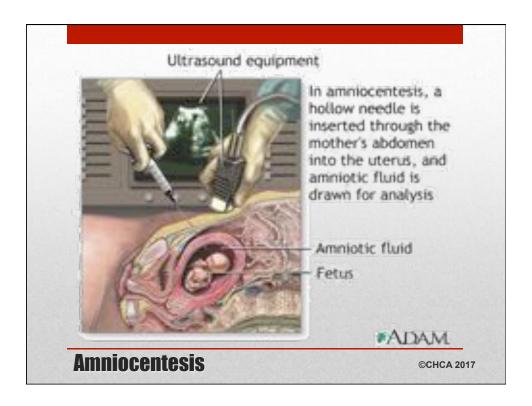
Doppler Blood Flow Analysis

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- Purpose
 - Chromosome analysis
 - NTD (Neural Tube Defect)
 - Fetal lung maturity
 - PG presence
 - L/S ratio
- Can't be done prior to 15 weeks
- · Prior to procedure
 - · sonogram for GA
 - blood type
- · If Rh negative give RhoGAM

Amniocentesis

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Indicator	Appropriate Time	Accuracy
LNMP	Entire Pregnancy	+/- 14.6 days
Conception/ Ovulation	Entire Pregnancy	+/- 1 days
Serum Preg Test Urine Preg Test	Before 4 weeks	7-10 days after conception
Detection of FHT	Between 9-12 weeks	+/- 3 weeks
Uterus at umbilicus	20 weeks	+/- 15 days
Fundal Height	Between 18-35 weeks	+/- 13-19 days
Quickening – primip	18-19 weeks	+/- 18 days
Quickening – multi	16-17 weeks	+/- 18 days

- http://ocfp.on.ca
- http://www.perinatalservicesbc.ca/NR/rdonlyres/ FE14A0F8-1B67-454E-9B24-68029CDC762A/0/ GuideAntenatallandII19Nov2012.pdf
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- http://guidelines.diabetes.ca/Browse/Chapter36
- http://www.hopkinsmedicine.org/healthlibrary/ test_procedures/gynecology/ chorionic villus sampling cvs 92,P07769
- http://guidelines.diabetes.ca/Browse/Chapter36
- http://www.mayoclinic.org/diseases-conditions/down-syndrome/basics/definition/con-20020948

References

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