NEWS UPDATE
October 2017

NIPT

Funded NIPT: is now fully integrated within the BC screening model. More than 80% of women receiving a positive (SIPS/IPS/Quad) screen choose to do NIPT rather than amnio as the next step. For lab requisitions and collection sites, please visit: www.bcprenatalscreening.ca/NIPT

| Stats: TAT for results: 10 days | Initial no-result rate: ~ 4% | 2/3 of women have a result on second draw |

Self-pay NIPT:
- BC data reinforces that (also) ordering SIPS for women choosing self-pay NIPT is NOT indicated for the sole reason of predicting adverse obstetrical outcomes as the detection rate is less than 20% with a false positive rate close to 10%
- An NT ultrasound is NOT recommended for women who have chosen self-pay NIPT. NIPT is a superior screening test to the NT ultrasound for aneuploidy screening

COUNSELLING for Positive NIPT results
NIPT is a screening test, not a diagnostic test. A CVS or Amnio should be done for confirmation after a positive NIPT result. The chance that an NIPT positive result is a true positive is dependent on the woman's prior risk of Down syndrome, trisomy 18, trisomy 13. In low risk women having self-pay NIPT, the positive predictive value is only 40 – 80% depending on their age. An irrevocable obstetrical decision should not be made based on NIPT results alone.

NUCHAL TRANSLUCENCY (NT) ultrasounds, as part of IPS, are available at certified ultrasound clinics in all health authorities. Capacity has been added in Vancouver Coastal, Fraser Health, and Northern Health. For the most up-to-date sites, please visit: http://tinyurl.com/IPS-eligibility
- REMINDER: Women of ANY maternal age with a MULTIPLE gestation qualify for an NT ultrasound

WAYS to improve the screening process
- NEW educational video for expectant parents and families on BC’s prenatal screening options: http://tinyurl.com/BC-PGS-Choice
- For women who have undergone SIPS/IPS/Quad screening and are found on detailed ultrasound to have a marker of aneuploidy, their risk of Trisomy 21 can be readjusted using our calculator at: http://tinyurl.com/Trisomy21Calc
- Timing is everything. The earlier the results, the earlier patients are reassured or, in the event of a positive screen, the more time is available for follow up testing if desired (NIPT or amnio).

Part 1
Serum
Part 2 Serum
NT U/S
11 – 13+6 wks
9 – 13+6 wks window
15+0 – 16+6 wks window

Screen Result
Could be as early as 16 wks

Screen Result
If Screen Positive

Amnio
2 days*

Funded NIPT
10 days

NIPT Result
If Positive

Dx Test Result

* TAT of ~14 days if amnio < 20wks and analysis in Victoria

Part 1
Serum
Part 2 Serum

9 – 13+6 wks window
15+0 – 16+6 wks window

The ideal time to collect Part 2 blood is 15 – 16 weeks but the lab will now also report on samples received between 14 – 15 weeks. Download the updated lab requisition at http://tinyurl.com/LabReqs