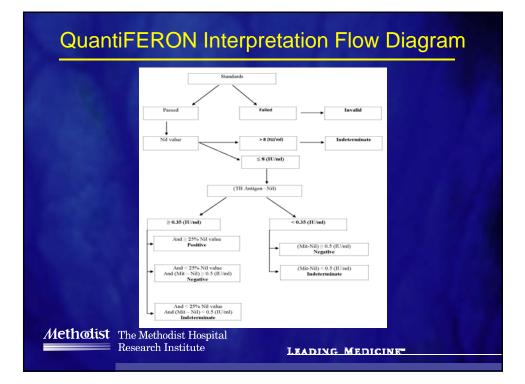
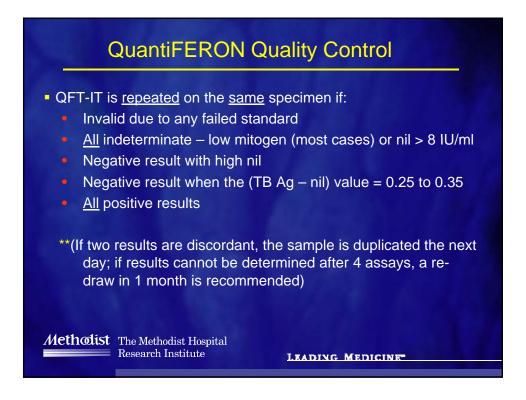
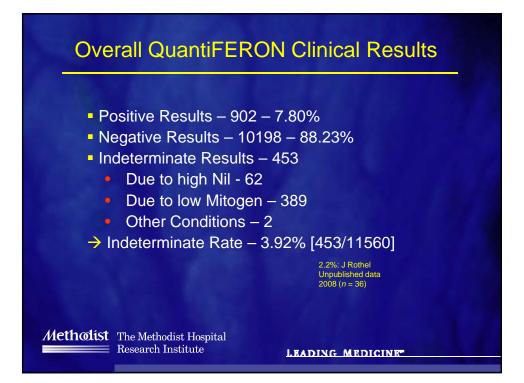


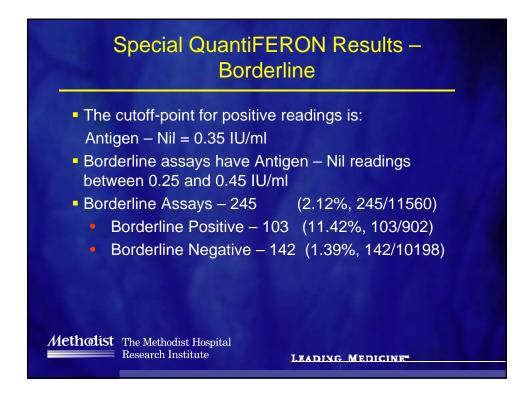
	TMH Clinical Lab
- CLIA	certified 2006 (BCM) - QFT 2008 (TMH) - QFT and T-SPOT
	t(s) make choice of which IGRA assay to request Fraining provided (in-service and/or shadowing)
	consultation provided when requested, based on: Risk of pool population Logistics of blood draw
	Previous IGRA results Fiming of TST (3 – 28 days)
	Prevalent literature (including meta-analyses) The Methodist Hospital Research Institute

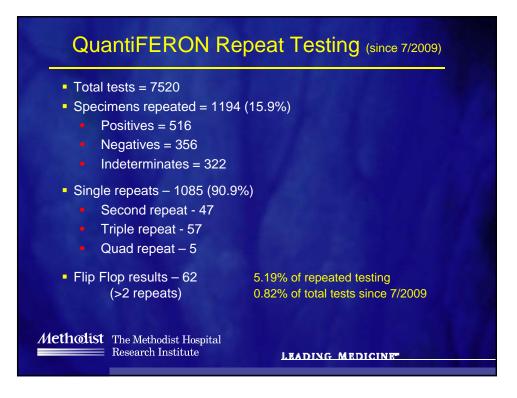


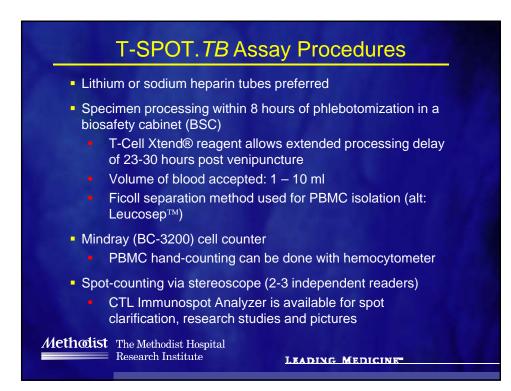
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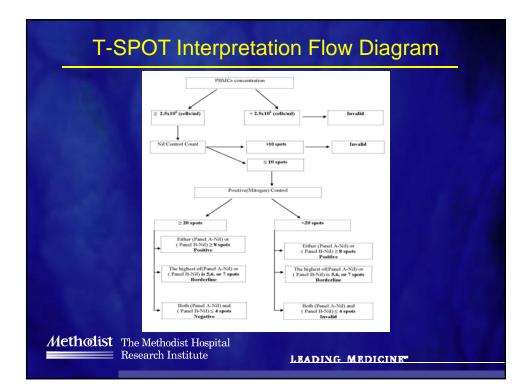








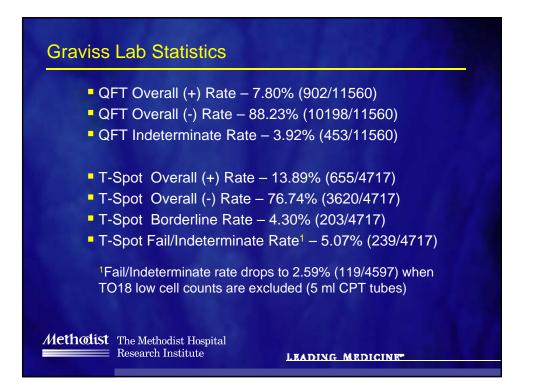


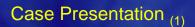




TR.	Positive	Negative	Borderline	Indeterminate	Invalid / Failed	Total
Jail Study ¹	74	316	0	22	0	412
IDU Study ²	41	82	0	0	0	123
BTGH	50	51	0	9	0	110
UTP ³	38	56	5	0	5	104
TO18^	243	2079	134	0	173	2629
Clinical	209	1036	64	0	30	1339
1 Porsa E et al. Clir 2 Grimes CZ et al. I 3 Cruz AT et al. Peo ^ T-SPOT not done	nt J of Tuberc Li diatrics 2011; 12	ung Dis 2007; 11 7; e31-8.	:1183-1187.			4717

	xpected results include	indeterminate and		
Result	Cause(s)	Number of cases	Solution	
Indeterminate / Failed**	The Nil Control has more than 10 spots	50/4717 (1.06%)	Re-sample one month later	
	The Positive Control has less than 20 spots	36/4717 (0.76%)		
Failed	The cell number added in each well for detection is less than 250,000***	136/4717 (2.88%)	Re-sample as soor as possible and take an extra tube	
	Other – Spot clumping, contamination, etc.	17/4717 (0.36%)		
categoriz	Failed results were merged durin ted as they were initially reported I be Positive with a valid cell cour			
	ne Methodist Hospital esearch Institute	LEADING MEDI	CINE	





- Forty-six year old WM, German National, working for a large petrochemical company as a chemist. Full physical done in 11/2011 as part of his relocation to Canada.
- Company OHP switched from TST to QuantiFERON ≈2 years ago. Physical was unremarkable other than a positive QuantiFERON (CXR-, BCG-).
- As part of the screening algorithm the scientist was identified as having LTBI and was to begin 6 months of INH therapy.
- The worker tested TST- in California in 11/2008, but spent 8 months in 2010 with family in Manama, Bahrain working in a corporate lab. TB incidence in Bahrain = 2/100,000.
- Worker questioned OHP nurse about variability of QFT and results. Wanted second opinion from a second clinician and lab.

Metholist The Methodist Hospital Research Institute

LEADING MEDICINE

