

Supplemental Digital Content 4

Agreement between TST and QFN-G-IT.

Overall agreement between TST ($\geq 5\text{mm}$) and QFN-G-IT was poor ($\kappa=0.24$, CI95%:0.07-0.42). Agreement was different when we considered only non-BCG children ($\kappa=0.37$, CI95%:0.09-0.65) or BCG children ($\kappa=0.03$, CI95%:-0.04-0.1), being higher in non-BCG-vaccinated than in BCG-vaccinated children (Table S2). However, overall agreement considering positive TST $\geq 5\text{mm}$ in non-BCG and $\geq 10\text{mm}$ in BCG children was increased to a kappa value of 0.37 (CI95%:0.14-0.6), QFN-G-IT results distribution by the different diagnostic categories are shown in Table 3, Supplemental Digital Content.

Table S2. Concordance and agreement (Cohen's kappa) between tuberculin skin testing and *QuantiFERON-TB Gold In Tube*, considering $\geq 5\text{ mm}$ a TST positive in non-BCG-vaccinated and $\geq 10\text{ mm}$ in BCG-vaccinated children.

Group of study	TST result	QFN-G-IT result		Overall Concordance (%)	Cohen's kappa (standard error)
		Positive	Negative		
Overall population	Positive	6	13	74.5	0.37 (0.117)
	Negative	0	32		
Non-BCG-vaccinated	Positive	4	10	74.4	0.34 (0.135)
	Negative	0	25		
BCG-vaccinated	Positive	2	3	75	0.44 (0.233)
	Negative	0	7		

TST: Tuberculin skin testing; QFN-G-IT: *QuantiFERON-TB Gold In Tube*; CI: Confidence interval; BCG: *Mycobacterium bovis bacillus Calmette-Guérin*

Table S3. Concordance and agreement (Cohen's kappa) between tuberculin skin testing and *QuantiFERON-TB Gold In Tube*, considering ≥ 10 mm a TST positive regardless of BCG vaccination status.

Group of study	TST result	QFN-G-IT result		Overall Concordance (%)	Cohen's kappa (standard error)
		Positive	Negative		
Overall population	Positive	5	6	86%	0.55 (0.151)
	Negative	0	32		
Non-BCG-vaccinated	Positive	3	4	87.5%	0.54 (0.191)
	Negative	0	25		
BCG-vaccinated	Positive	2	2	81.8%	0.56 (0.253)
	Negative	0	7		

TST: Tuberculin skin testing; QFN-G-IT: *QuantiFERON-TB Gold In Tube*; CI: Confidence interval; BCG: *Mycobacterium bovis bacillus Calmette-Guérin*