

# Screening TB Contacts in Leicester, UK

*An analysis of 2204 tuberculosis contacts using  
QuantiFERON<sup>®</sup> TB Gold In-Tube and TST*

P Haldar, H Thuraisingham, W Hoskyns, G Woltmann  
*University Hospitals of Leicester, UK*

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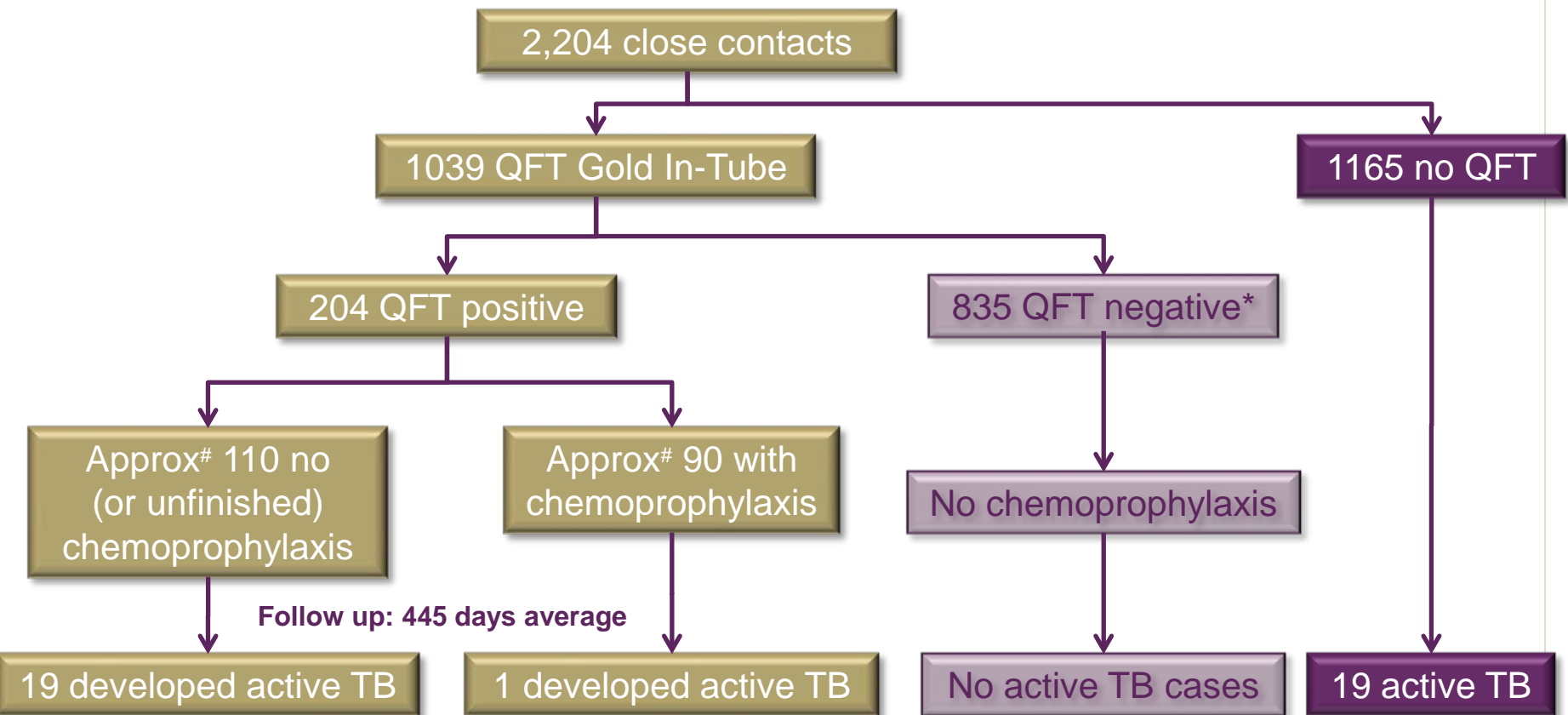
*Haldar et al. Thorax, 2009; 64 (Suppl. IV), pA10*

- Contacts of TB cases in Leicester since Jan 1, 2007
- All contacts initially screened with TST\*
- A subset of contacts tested by QFT
- 12 week prophylaxis offered to those who tested QFT positive
- All contacts followed for the development of active TB

\* It is unclear from the abstract if all contacts were screened with TST and only those positive received QFT – in line with the current UK guidelines – or if those receiving QFT testing was not based on TST result

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*Haldar et al. Thorax, 2009; 64 (Suppl. IV), pA10*



\* Indeterminates not reported

# Approximate estimates only, as actual number are not reported

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## Progression to active TB

- For those tested with QFT, 20 progressed to active TB
- All 20 came from those QFT positive
- 2-year progression rates to TB (as stated by authors):
  - Untreated QFT positive 17.2%
  - Treated QFT positive 4.7%
  - Untreated QFT negative 0.0%
  - Untested by QFT 1.6%

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## Comparison to other studies:

Diel *et al* (AJRCCM 2008) studied 601 contacts in Hamburg

- 66 were QFT positive and 41 were not treated
  - 6/41 (14.6%) developed active TB
- Similar rate of progression for QFT positive contacts to Haldar *et al*
- 243 were TST positive and 219 not treated
  - 5/216 (2.3%) developed active TB

# Use of QFT for Contact Investigations

- based on findings by Haldar, et al

## 100% Negative Predictive Value

- No contacts testing “QFT Negative” progressed to active TB (n = 835)
- QFT negative / TST positive people did not develop TB

## QFT is highly predictive of active TB

- 1 in 6 “QFT Positive” contacts (17.2%), left untreated, progress to active TB within 2 yrs
- Compares favourably with 1 in 50-100 TB progression rates observed with TST

**TB screening with QFT is cost effective and provides more accurate results than TST**



The logo for cellestis features the word "cellestis" in a lowercase, sans-serif font. The letters "e", "l", "e", and "s" are a dark purple, while "l", "e", "s", "t", and "i" are a lighter shade of purple. Two curved, swoosh-like shapes in the same dark purple color are positioned above the "e" and below the "s".

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