GENE XPERT ALGORITHM

Gene Xpert

Patient has TB BUT Not resistance to Rifampicin

Do culture & DST for MDR TB surveillance group (NB.No Culture & DST for TB) diagnosis* Treat cat I, II (Offer HIV testing)

If no resistance continue Rx

Sputum smear (ss) follow up month 2/3 and 5

Ss-ve

Ss+ve

Culture and DST

Treatment Success (TC/C)

Start on on MDR-TB treatment and on ART if HIV +

DST FL, SL

If any resistance for inject able and / or FQ use XDR regimen

For PDR and mono-resistant TB, treat as per guidelines

Patient has chest symptoms but has No TB by GeneXpert

X-ray, broad spectrum antibiotics,

No improvement & Still suspect TB

Improvement continues & observe, if none consider other diagnosis

Indications for GeneXpert

MDR TB Surveillance:
All retreatment cases: a) Failures b)Relapses c)Return after default DR TB contacts
Smear positive refugees
Smear positive after month 3 of treatment

TB Diagnosis*
HIV positive Smear negative, Diagnosis of TB in children