

FACILITIES CREATED UNDER DST-PURSE



GeneXpert System for RNTCP- Designated Microscopy Centre Sponsored by DST PURSE

RNTCP- Designated Microscopy Centre at HAHC Hospital , Jamia Hamdard

Designated Microscopy centre (DMC) provides Sputum microscopy diagnostic services for every one lakh population and is established by **Revised National Tuberculosis Control Program (RNTCP)**, the tuberculosis (TB) control initiative of the **Government of India**



- A DMC was established at HAHC Hospital Jamia Hamdard and was inaugurated on 8th February 2018.

- The Centre provides sputum smear microscopy and PCR based rapid Molecular diagnostic testing services for all patients absolutely free of cost.

- Jamia Hamdard has purchased a 4 module GeneXpert (Cartridge Based Nucleic Acid Amplification Test) System from PURSE funds.

- The machine provides confirmatory diagnosis for TB and detects any resistance towards anti-tubercular drug Rifampicin

- The machine has processed more than 1000 clinical samples till date.

- It can provide result in 2.5 hours for 4 samples simultaneously.



Research article published: Pandey V, Singh S, Arora N, Quadir N, Singh S, Das A K, Dudeja M, Kapur P, Ehtesham NZ, Elangovan R, Hasnain S.

See TB: A novel alternative to sputum smear microscopy to diagnose tuberculosis in high burden countries. Scientific Reports. (2019) 9:163712