

An assessment of early sputum conversion and transformation rates in new smear positive cases of tuberculosis

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Abstract

Regardless of the accessibility of strong antitubercular drugs, tuberculosis (TB) stays one of the world's leading causes of death. This present situation requires alternative plans with the possibility to minimise the treatment duration that could prepare for improved clinical outcomes.

Methodology: In this prospective, observational study conducted at HAHC Hospital, study subjects were included on the basis of inclusion and exclusion criteria. Sputum conversion has been assessed at the baseline and after regular intervals. Out of total patient's enrolled [66.66%] patients completed the study and [62.5.3%] patients underwent sputum smear and culture conversion. The median time to smear and culture conversion was end of day 30 days and at day 45 respectively. Out of total patients with pulmonary TB and DM it has been found that there was a significant increase in the symptom score. Further the sputum conversion from positive to negative was seen in higher number of patients. The time to sputum smear and culture conversion under DOTS is like past antituberculosis regimens. There was a significant decrease in conversion rate with the initial high grade smear positive cases

Biography:

Ritu Mishra is pursuing PhD in Pharmacology with specialisation in Pharmacy Practice. She has been awarded DST INSPIRE FELLOWSHIP for pursuing PhD by the Ministry of Science and Technology by Government of India. She has been the Gold Medalist in M.Pharm program. (Pharmacy Practice). She has qualified Graduate Pharmacy Aptitude Test and for that she has been awarded fellowship in M.Pharm program by All India Council of Technical Education by Govt. of India. She has successfully defended for Senior Research Fellow DST Fellowship. She holds a very good academic record and willing to contribute for infection control and prevention. She is young scientist member working in the field of tuberculosis and infection.



Speaker Publications:

1. "Potential role of adjuvant drugs on efficacy of first line oral antitubercular therapy: Drug repurposing / Received 16 April 2019, Revised 8 January 2020, Accepted 9 January 2020, Available online 11 January 2020.
2. Dengue haemorrhagic fever: a job done via exosomes?; Pages 1626-1635 | Received 21 Aug 2019, Accepted 23 Oct 2019, Published online: 12 Nov 2019

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