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# Profile of Tuberculosis in Kidney Transplant Recipients: A Single Centre Experience from Central India

Manish R Balwani<sup>1,2</sup>, Amit S Pasari<sup>1,2</sup>, Charulata Bawankule<sup>1,2</sup>, Prasad Gurjar<sup>2</sup>, Kapil Sejpal<sup>2</sup>, Shubham Dubey<sup>2</sup>, Pranjal Kashiv<sup>2</sup>, Sunny Malde<sup>2</sup>, Sushrut Gupta<sup>2</sup>, Vijay J<sup>2</sup>.

<sup>1</sup>Saraswati Kidney Care Center, Nagpur; <sup>2</sup>JNMC, Sawangi, Wardha

Email: [balwani.manish@yahoo.com](mailto:balwani.manish@yahoo.com)

# Disclosures

*Authors declare no conflicts of interests or any other financial interests.*

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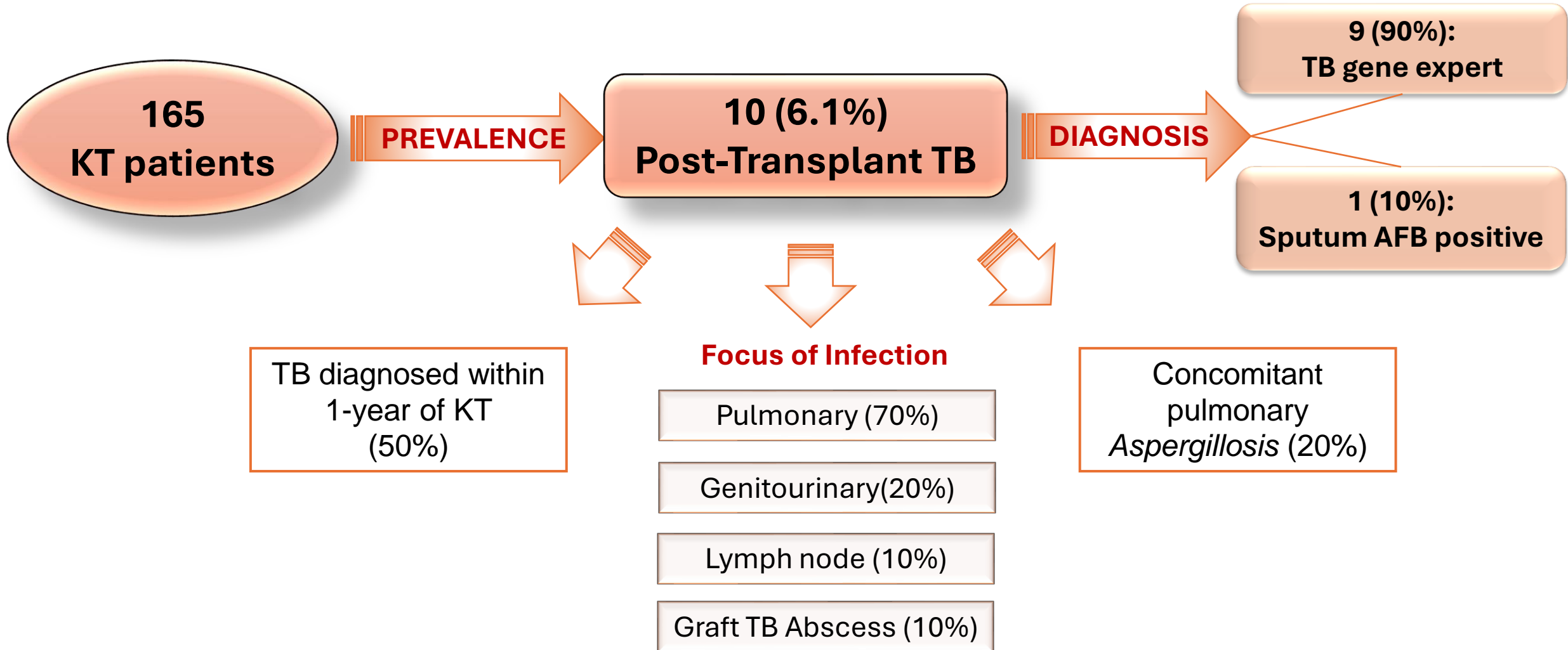
# Introduction

- Tuberculosis (TB) is a widespread infection in Indian subcontinent. It is a feared complication in post-transplant period. Evidence indicates TB can develop in nearly 0.3 to 15.2% of kidney transplant (KT) recipients.<sup>1</sup>
- Reactivation rather than primary infection is a common mode of activation of TB after KT.<sup>2</sup>
- In this study, we report profile of post-kidney transplant TB from central India.
- We did retrospective analysis of data obtained from electronic database of our transplant unit with patients who developed TB after KT. Outcomes after antitubercular therapy (ATT) were assessed.

1. Sorohan et al. Pathogens 2022; 11(9):1041.

2. Sundaram et al. Indian J Urol. 2008 Jul;24(3):396-400.

# Results



# Results

## Possible Risk Factors

- ATG induction regimen: 50%
- Rituximab prior to transplant: 10%

## Graft Dysfunction

- 2 (20.0%)
- Recovered after ATT

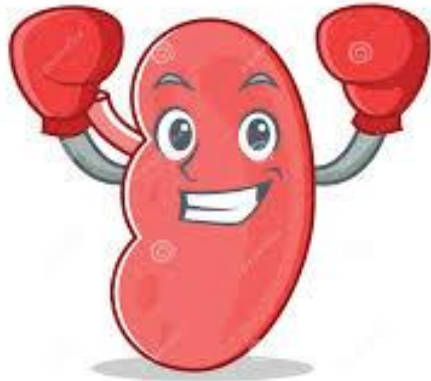
## ATT Details

- Rifampin-free ATT: 30%
- **ATT successful: 90%**
- ATT ongoing: 10%
- Ethambutol related optic neuropathy: 10%

## Outcomes

- Graft loss after TB onset: 10%
- Mixed acute antibody and cell mediated rejection after initiating ATT: 10%

# Conclusion



- TB is an **endemic** disease in India.
- Post-transplant TB poses **significant challenges** in management due to immunosuppression and drug interactions.
- Timely **diagnosis** helps in successful treatment of TB.
- **Compliance** to ATT is of prime importance to achieve optimal patient outcomes

Thank you.