

Profile and Outcome of
Polymerase Chain Reaction
Confirmed Tuberculosis in a
Tertiary Medical Center in
Northern Luzon from July 2017 to
June 2022-A five Year
Retrospective Study

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Childhood Tuberculosis is a persistent neglected global health problem

Due to the following:

- severe underfunding and lack of access to care
- weak reporting systems
- · fragile health infrastructure
- workforce shortages
- inadequate child health programs

TB statistics. (2023, February 2)



Little attention is giver in childhood TB

- Children rarely contract infectious diseases
- Less involved in the spread of epidemics
- Child health not been given much weight

Marias, B. J., Sig, R. P., Schaat, H. S., Beyers, N., Donald, P. K., & Starke, J. R. (20. Childhood pulmonary tuberculosis. American Journal of Respiratory and Critical Care Medicine, 173(10), 1078–1090. https://doi.org/10.1164/rccm.200511-1809so

Significance of the Study

Hospital

 Provide baseline data on the extent of childhood TB for the improvement of healthcare delivery for childhood TB

Patients

 Improved outcome as the study highlights the importance of early diagnosis and prompt treatment

Objectives

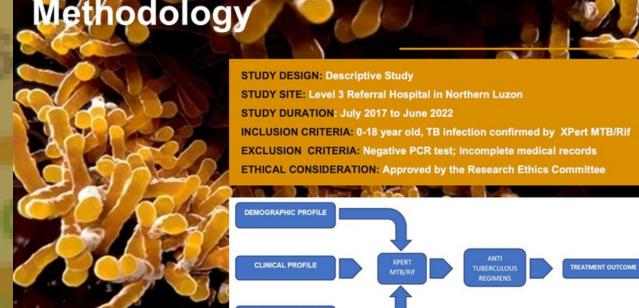
GENER

 Characterize the demographic, clinical profile, and therapeutic outcomes of PCR confirmed Pediatric Tuberculosis patients in a tertiary medical hospital from July 2017 to June 2022.

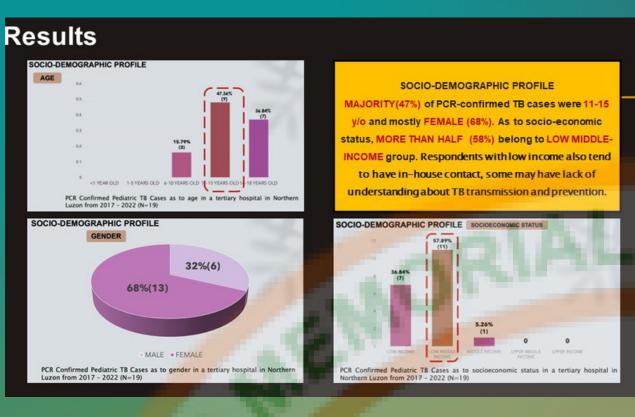
PECIFIC

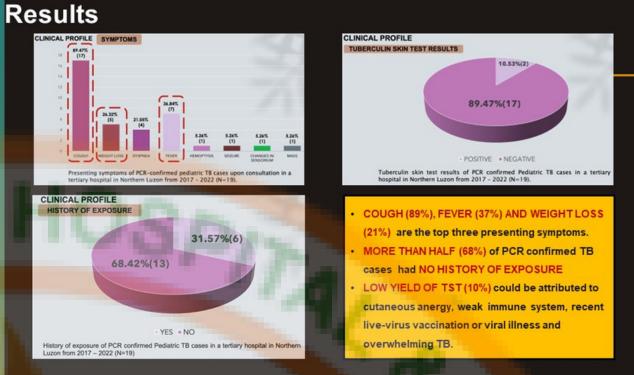
To determine:

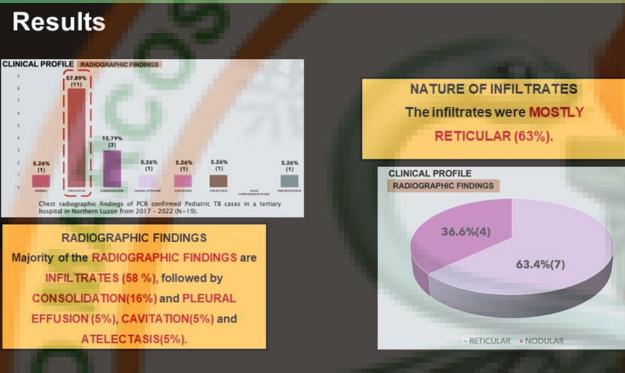
- different social and demographic profiles of the subjects
- clinical profile of the subjects
- · clinical outcome after therapy
- frequency of patients with concurrent solitary
 extrapulmonary TB



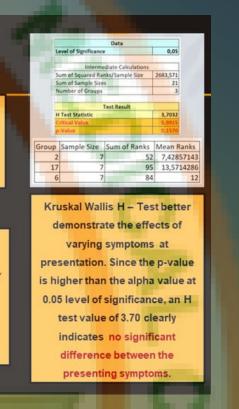












Conclusion

- TB in the study is more common in adolescents, among females and in low-middle income families.
- Cough is most common presentation, majority denied prior exposure to TB.
- Infiltrates are the common radiographic findings.
- TST yielded very low results.
- Majority completed the treatment and cured, but one died due to a severe illness.
- Most common extrapulmonary manifestation is miliary tb.

Recommendation

- Multi-center study involving a larger-scale population for stronger, more robust results.
- To better track and monitor patient's treatment must be done in the same institution.

