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POSTER CERTIFICATE

We hereby certify that **Finny Fitry Yani**

presented the abstract entitled :

**#232 - Contact Investigation to Kindergarten Students whose Exposed to a
Teacher with Drug Resistance Tuberculosis in Rural Area.**

Yani FF., Risnelly R., Welly SE, Yusmaini Y., Agus A., Amir T.

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Giovanni Rossi
President, CIPP XVIII



Contact Investigation to Kindergarten Students whose Exposed to a Teacher with Drug Resistance Tuberculosis in Rural Area



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Objective

- To investigate the kindergarten students whose exposed by a teacher with Drug Resistance (DR) tuberculosis (TB) in rural area.

Methods

- We investigated 50 children in Kindergarten school
- Location : Bala Selasa village, Pesisir Selatan District, West Sumatera Indonesia, on February-May 2019
- Case index : a teacher with DR-TB.
- We examined the symptoms and signs for TB, tuberculin skin test (TST), and geneXpert MTB/RIF (selected children).
- We managed the children base on results of examination.
- We followed them 3 month after the first investigation (May, 2019).

Discussion

- The main obstacle are the sensitive issue and stigma regarding TB disease in rural area.
- Because the index case is a teacher, make this case a complicated social problems due to the teacher position in a school, so the head of school choose to keep silent from the student parents.
- So this group of students could not given the DR-TB prophylaxis drug, but only observed.

Conclusion

- Kindergarten students are high risk population to DR-TB transmitted from their teacher either in rural area, unfortunately the DR-TB prophylaxis therapy could not implementation in this group.
- We should do long term observation to detect new TB or TB DR cases among them.



Results

- We found 8/50 children :
 - sign & symptom of TB : chronic cough, decrease of BB
 - positive TST
 - thorax Ro : minimal infiltrats suggestive TB
 - geneXpert MTB/RIF : negative for B
- We diagnosed clinical TB to those 8 children
- Treatment : oral anti tuberculosis for sensitive TB.
- We just observed 42 children remain for next 3 months, according to their parents denial to take prophylaxis drug

3 Months Follow Up

- 8 children with TB treatment : clinically improvement
- Remain 42 children : no TB symptoms and sign.
- We continue observation to this population
- Planning : repeat TST at the 6 month.

