

The side effects of individual regimen for drug resistant TB treatment on renal function & electrolytes in DR-TB patient at Adam Malik General Hospital in 2016

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Background and Purpose: DR-TB is one of 10 causes of death worldwide where cases are increasing every year. Complicated treatment & side effects caused by treatment often lead to treatment failure and complications that can lead to death in patients. This study aims to assess the side effects of individual regimens for drug resistant TB treatment on renal function, and electrolytes in DR-TB patient at Adam Malik General Hospital in 2016.

Methods: This study was a retrospective conducted on 176 DR-TB patients in 2016. Medical Records were analyzed to assess the side effects experienced by each patient, as well as the regimen and outcome during the treatment.

Results: 176 DR-TB patients found, 116 (65.7%) men & 60 women with an average age of 43.1 ± 12.5 years. Side effects of renal function (N 15; 8.5%), electrolyte: hypokalaemia (N 27; 15.3%), hyponatremia (N 15 8.5%). The most common use of regimen is Km/Cs-Eto-Lfx-Z (N 150; 85.2%). Cured were found (N 71; 40.3%), failure (N 9; 5.1%), dropout (N 56; 31.8%) & death (21.1%) in 37 patient.

Keywords: DR-TB, Side effects, regimen, renal function, electrolytes.



Biography:

Felly Iswa is Resident of Pulmonology and Respiratory Medicine in Faculty of Medicine, Universitas Sumatera Utara, Medan, Indonesia. The high number of TB cases in Indonesia made him interested in conducting research on TB, especially drug resistant TB.

Speaker Publications:

Seroepidemiological survey of human cystic echinococcosis with ELISA method in Moghan plain, Ardabil province

H Mirzanejad-Asl

Journal of Ardabil University of Medical Sciences 9 (4), 334-346 10 2009

Relationship between gallstone disease and liver enzymes.

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Tropical Parasitology 9 (2), 83-87 1 2019

Frequency of Trichomonas vaginalis infection among pregnant women referred to health and medical centers in Ardabil city, 2013-2014

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