

Cover letter

Bandung, 2 Juni 2017

To.

Editor in Chief

International Journal of Integrated Health and Science

Dear Sir,

Please find the submission of our manuscript,

Characteristics and Complications in Tuberculous Meningitis Hydrocephalus Patient Undergone Fluid Diversion in Department Of Neurosurgery, Dr. Hasan Sadikin General Hospital, Bandung

which we would like to submit for publication in the International Journal of Integrated Health Science. Herewith, we also attached *3 sets of manuscript (hard copy) and 1 CD (soft copy)*.

In this manuscript, presented latest and a more specific classic characteristics and complications on tuberculous meningitis with hydrocephalus undergone fluid diversion. From this research, we found that 75% from 28 patient were from infancy age group (0-12 months old). Other 25% were from macrocephal group; about 64% from all samples were patient with fair nutritional status. Interestingly, patients with *frontal bossing* characteristics were only 17%, and there was almost none patient with hydrocephalus characteristics. This study finds no complication, like infection, phlebitis and *exposed shunt* in TBM patients with hydrocephalus, receiving fluid diversion therapy in our center.

Author and all co-authors have seen and agreed with the contents of the manuscript and there is no financial interest to report. We certify that the manuscript submitted is an original work and is not under review at any other publication. We thank you for considering our manuscript for publication in the International Journal of Integrated Health Science and look forward to hearing from you at your earliest convenience.

Sincerely yours,



(Adriani Lawrence Novalia.,S.Ked)