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Assessing the severity and risk factors of post operative pain in Gondar University Hospital, Ethiopia from March –June 15 2012

Wosenyeleh Admasu
Addis Ababa University, Ethiopia

Despite advances in medical science there are a large proportion of patients suffering from moderate to severe post surgical pain around the world with several perioperative and preclinical factors contributing to the outcome. Currently there isn't any evidence that shows how severe the problem is and also what the different perioperative, patient factors are in Ethiopia. We conducted hospital based cross sectional prospective study on 300 patients above the age of 12 selecting them with simple random sampling, and collecting the data via questionnaire and chart review. Numeric rating scale was used to assess pain severity and logistic regression to identify independent risk factors for post operative pain. Moderate to severe pain was reported in 171 (57%) of patients in the immediate post operative period and 234 (78%) in the 1st 12 hours. On multivariate analysis ASA I, II OR (2.7) $P=(0.013)$, age less than 60 OR (2.642) $P=(0.042)$, female gender with an OR (2.580) $P=(0.005)$, general anesthesia OR (3.6) $P=(0.000)$, type of surgery (Intra-abdominal OR (2.179) $P=(0.025)$) and incision length >10 cm OR (1.991) $P=(0.041)$ were identified as independent risk factors for post operative pain severity. The formation of effective postoperative pain management programs and protocols which encompass both preventing the risk factors and treating the outcome would be helpful.

Biography

Wosenyeleh Admasu completed his anesthesia BSc education in 2008 at the age 22 and MSc in 2012 in Gondar University with honors with CGPA of 3.57. He served as the head of anesthesia department in Gondar University for a year before co-developing a curriculum for MSc in anesthesia (the first for the country) and now being run by Leicester Gondar link. He has worked as a lecturer in Gondar University and also now in Addis Ababa university school of anesthesia. He has also been working clinically for 5 years in Gondar university hospital.

wadmasu@yahoo.com