



ABSTRACT

INJURY IN UNDERAGE MOTORCYCLE ACCIDENTS AT RSUP DR. SARDJITO IN 2022 - 2023

Background : Road traffic accidents have become the leading cause for death in unintentional injuries, and the leading cause of injury-related Disability-Adjusted Life Years. 92% of all road traffic accidents come from low and middle income countries. It can be seen highest in Southeastern Asia countries, with 28% of road traffic injury burden globally. In Indonesia, 73% of the total traffic accidents comes from motorcycle accidents. Many young motorcyclists committing underage motorcycle riding have admitted to having been following risky behaviors, such as not wearing appropriate equipment, not using indicator lamp when turning, and others. Through the perspective of orthopedics, trauma has been a main factor in children and adolescents' mortality. Therefore, it's important to understand the correlation between injuries and factors affecting children and adolescents.

Objective : To study the correlation between factors of road traffic accidents and injuries.

Method : The research uses observational analytical study, with cross-sectional research design. The research uses secondary data from RSUP Dr. Sardjito January 2022 - December 2023.

Result : From 90 cases of underage motorcycle riders road traffic accidents, the mean age were 14,33. The profile of injury in the motorcycle riders were found, and there were no correlation in-between age and factors affecting road traffic injuries, as the P-value were above 0,05.

Conclusion : Profile of injury in the motorcycle riders were presented, and there were no correlation with age and factors affecting road traffic injuries.

Keyword : Severity of injury, road traffic injury, underage, motorcycle accidents, motorcycle riders