

# **Impact on outcome of seven months implementation Global Surgery at Hospital Mersing, Hospital Kluster Johor Timur in 2022.**

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## Abstract

Hospital Mersing is a non specialist hospital at the the East Coast of Johor and part of Hospital Kluster Johor Timur with Hospital Sultan Ismail Johor Bahru (HSIJB) and Hospital Kota Tinggi. It is the only hospital in the district with 70 beds, covering for about 89,000 population. Distance from specialist hospital and travel time are 120 km or two hours away. Interfacility transfer (IFT) around 1000 cases per year, about 3 to 4 cases daily with one simple case will used 7-8 hours per trip. Surgical base cases referral are about 30% from the total IFT cases. Global surgery initiated in Hospital Mersing in May 2022, about seven months ago with mainly surgical and orthopedic department running the Operation Theatre (OT). This is a cross-sectional, retrospective study, universal sampling by using primary data from OT, secondary data from Medical Record department, nursing census and hospital finance unit. Descriptive analysis was used. The outcome showed increment in BOR of surgical base disipline especially after Pandemic Covid19 but not yet showing consistent reduction in Interfacility transfer. However the impact in financial aspect is too early to observe due to the initiatives only started less than a year ago. The greatest impact is in 2023, Hospital Mersing received four residence specialist which are Anesthetist, Surgeon, Orthopedic and Radiologist each to support this programme although two of them will only be here permanently by 2024. With these initial findings and specialists support, hopefully with optimal manpower and assets, we will perform better and getting excellent results in near future. As conclusion, Global Surgery initiatives already shown budding positives outcome for Hospital Mersing. Given time and opportunity the impact of success will definitely be seen especially after the injection of optimal manpower with positive Return of Investment to all Shareholders.

Key Words: Outcome, Impact, Hospital Mersing, Hospital Kluster Johor Timur, Surgical base diciplines, Global surgery, Interfacility transfer, BOR, financial impact.