

# ARTERIOVENOUS FISTULA (AVF) SERVICES IN NEGERI SEMBILAN SINCE 2019-2022 ,A SALIENT THRUST TO ACHIEVE AIM OF GLOBAL SURGERY INITIATIVES.

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## **Introduction**

The renal burden of our country through the number of new dialysis patients have continued to increase over the last 10 years from 6,045 in 2011 to 9,123 in 2021. In 2021, there were 43,968 prevalent hemodialysis (HD) patients. The best vascular access for hemodialysis is indefinitely Arteriovenous fistula (AVF). In the previous years, patients needing AVF creation were referred to vascular centers located 60-100km away. We present our experience and data in providing arteriovenous fistula service through-out the state of Negeri Sembilan (NS) as a initiative under the cluster hospital programme and global surgery initiative. Global surgery, ensuring timely access, safe and affordable surgical treatment for everyone.

## **Objective**

To project our work experience, data and patient distribution involved in AVF service.

## **Methods**

Descriptive Data Collection and analysis from clinic and operative records from the cluster programme participating hospitals of NS1 (Hospital Tuanku Ampuan Najihah (HTAN), Hospital Tampin and Hospital Jempol) and NS2 (Hospital Tuanku Jaafar Seremban (HTJS), Hospital Port Dickson and Hospital Rembau) collected from 2019 until 2022.

## **Result**

AVF service in Negeri Sembilan was started in 2019. Service started from Hospital Port Dickson in cluster NS2 in 2019 followed by HTAN in clusters NS1 in 2020. Now, the service has expanded to provide outpatient clinic and operative services to other cluster hospitals in NS2 which are Hospital Rembau and HTJS. While in cluster NS1 all patients will be seen in out patient clinic in HTAN but operative services will be carried out depending on patients geographical demography and nearest hospital catering AVF creation in the cluster. From the year 2019 until 2022, 851 patients were seen in out patient clinic with 348 AVF created.

## **Conclusion**

AVF service as a part of Cluster hospital programme in NS advocating and fulfilling global surgery initiative on ensuring accessible service for all patient.