HOSPITAL KLUSTER KEDAH SELATAN AS A CATALYST FOR SUSTAINABLE IMPLEMENTATION OF GLOBAL SURGERY INITIATIVE IN SOUTHERN KEDAH



CONTRIBUTING AUTHORS: Dr Kabirurahman A. R.¹; Dr Mithali A.¹; Dr Mohd Ruhaifi A.²; Dr Ainunnadiah D.²; Dr Azmi A. H.¹; Mr Lo G. Y.¹; Dr Wong C. L.¹; Dr Kalatheran S.¹; Dr Nurul Nadhirah A. N.¹; Dr Azhani Haliyati A.Y.²; Hanita M.²; Mahani H.²

AFFILIATIONS: 1 - Hospital Kulim. 2 - Hospital Baling.

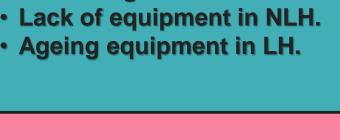
KEMENTERIAN KESIHATAN MALAYSIA

1. INTRODUCTION **HOKSEL** is a Typical Cluster, formed in 2020 **HOSPITAL BALING** District non-specialist hosp. Hospital Baling • 115 bedded 155,300 populations •BOR (2021) - 75.59% BOR (2022) - 80.90% **Baling** 59.6km **HOSPITAL KULIM** Major specialist hosp •20 Specialities & Sub · 320 bedded • 366,600 populations **Bandar Baharu** •BOR (2021) - 89.56% •BOR (2022) - 94.55%

2. SWOT ANALYSIS • Availability of skillful & motivated specialists. • Availability of empty beds for day care procedure in NLH. • 2 OT in NLH.

W

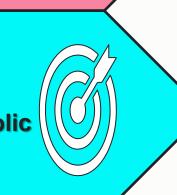
- Loss of trained skills.
- Not enough OT in LH.



Supportive higher authorities.
Coaching and training capability.

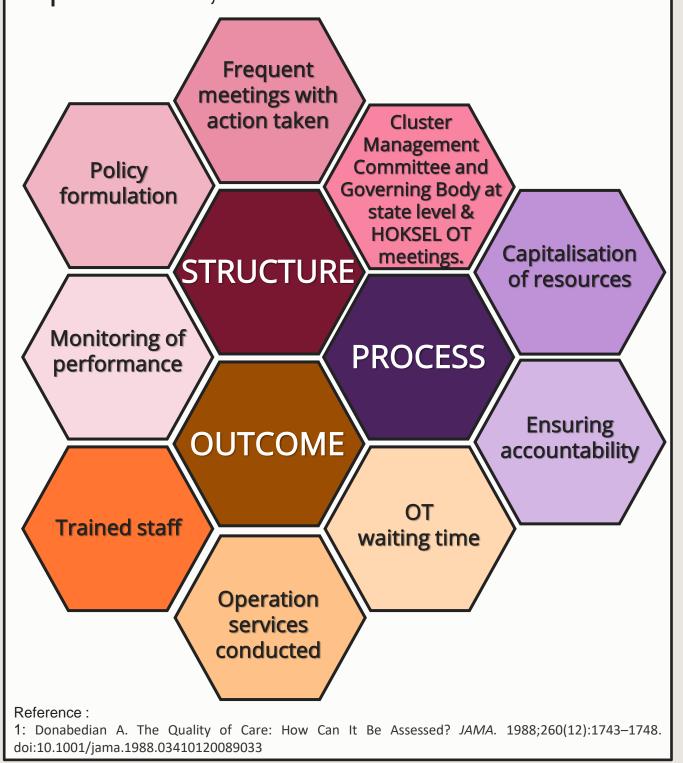


- Distance between 2 hospitals.
- Lack of awareness of public on HOKSEL.



3. STRATEGIES

Based on Donabedian's model¹ for qualityof-care evaluation, 3 measures are implemented;



5. ACHIEVEMENTS

1. Niche Services in NLH

• Daycare cataract operation performed:

2020	2021	2022
69	462	854

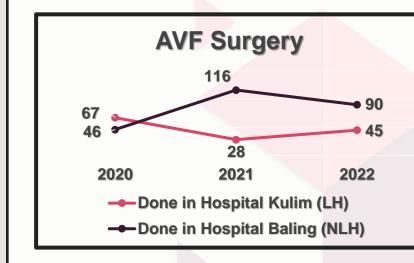
Daycare AVF operation performed:

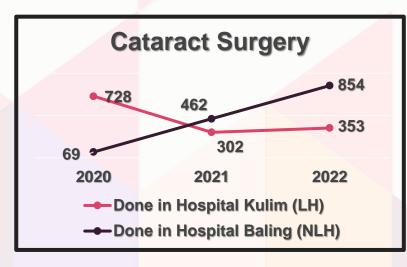
2020	2021	2022
46	116	90

- GA Daycare.
- 2. Improvement of OT waiting time for AVF & Cataract in southern kedah:

TYPE OF OPERATION	2019 (PRE-HOKSEL)	2022
CATARACT	9 months	1 month
AVF	4 months	1 month

3. Reduction in number of AVF and cataract surgeries done in LH:





4. Knowledge & skills transfer through visits, attachments and niche services.

CATEGORY	REMARKS	
MO	9 MO attachment in LH (multidiscipline)	
PARAMEDIC	8 paramedics (OT Trained)	

4. DEVELOPMENT OF HOKSEL SERVICES & GLOBAL SURGERY INITIATIVE

"Turn your obstacles into opportunities and your problems into possibilities" Roy T. Bennett

2019 (Pre Cluster)

- 3 OT in LH shared by 7 operating disciplines.
- No dedicated daycare OT

Jan – June 2020

- Inception of HOKSEL
- Coordinating services & specialist visit to NLH

July – Dec 2020

- OT NLH renovation.
- Cataract & AVF
 Services in NLH.

Ortho LA Cases

 Temporary relocate GA elective to NLH in view of LH OT maintenance.

2021

- •HOKSEL empowered for COVID-19
- COVID-19 patients' care.

In-housephysician in NLH

2022

- GA Daycare in NLH.
- •Global Surgery Initiative
- •NLH Satellite
 Peritoneal Dialysis
 Unit
- Transport services

. | _____

 In-house Surgeon & Anaesthetist to continue and sustain surgical service in NLH.

2023 & BEYOND

- GA Elective (General Surgery, Orthopedics & OMF) &
 GA Emergency started in Feb 2023.
- LA Nephro (Tenckhoff Catheter Insertion) started in Feb 2023.

6. CONCLUSION

Implementation of Global Surgery Initiative in Southern Kedah has been catalysed further by using Hospital Kluster Kedah Selatan. Since HOKSEL is well structured and global surgery provides value added benefit for patients in both Hospital Kulim & Hospital Baling, the implementation of this initiative can be sustained through HOKSEL.