

Clinical And Functional Outcome Of All-Inside Anterior Cruciate Ligament Reconstruction In Hospital Sultanah Bahiyah, Alor Setar

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INTRODUCTION:

Anterior Cruciate Ligament (ACL) is commonly injured and frequent requires repair if laxity and pain symptoms are present. Anterior Cruciate Ligament (ACL) is commonly injured and frequent requires repair if laxity and pain symptoms are present.

MATERIALS & METHODS:

A retrospective study done in Hospital Sultanah Bahiyah (HSB) from 2017. Sample size is 29 patients. Medical records & patient interview was done. Inclusion Criteria: Grade I – III ACL tear diagnosis, Patients aged 18-50 years old, Surgery >21 days after the ACL injury, Informed consent. IKDC and Lysholm scores were used. Statistical Analysis Plan done by using SPSS software

RESULTS:

Figure 1:

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Yes	2	6.9	6.9	6.9
No	27	93.1	93.1	100.0
Total	29	100.0	100.0	

Figure 2:

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid No Pain	22	75.9	75.9	75.9
2	2	6.9	6.9	82.8
3	2	6.9	6.9	89.7
5	3	10.3	10.3	100.0
Total	29	100.0	100.0	

DISCUSSIONS:

2 cases had complication including surgical site infection and hematoma over the incision site which resolved with antibiotics

No Patient had pain >5 after ACL surgery. The mean scores of both Lysholm and IKDC shows good functional outcome.

CONCLUSION:

In this study it shows that ACL surgery done in HSB has good functional outcome. More sample size will be need to improve this study and a prospective study will help strengthen this finding.. A longer follow up and further MRI scans will be beneficial to this study.

REFERENCES:

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- Scheffler S. The cruciate ligaments: Anatomy, biology, and biomechanics. In: The Knee Joint: Surgical Techniques and Strategies [Internet]. Paris: Springer; 2012. p. 11–21.

Figure 3: Descriptive Statistics

	N	Mean	Std. Deviation
Lysholm_Total	29	89.3448	13.09383
IKDC_Total	29	76.5103	15.47928
Valid N (listwise)	29		