

## EVALUATION OF FUNCTIONAL AND PSYCHOLOGICAL OUTCOME OF MAJOR AMPUTATION OF LOWER LIMBS

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**Introduction:** Major lower limb amputation presents to be a life changing event. The main problem in managing anxiety and depression among amputees is failure to diagnose it early by physician. This was the first study on functional outcome and psychologic assessment among amputees and hope this study improve patient's quality of life.

**Methodology:** Patients with the condition of a post major lower limb amputation. AMP and HADS score will be used to assess the outcome. Data were collected at 3 weeks and 3 months post amputation. Half of the patients will be referred to psychologist for pre amputation counseling. Prior to discharge all patients will be reviewed by physiotherapist. Appointment will be given at 3 weeks' time and scoring will be done. Next appointment will be given at 3 months' time to do another scoring.

**Discussion:** The mean HADS (Depression) decreased from a maximum of 9.71 at the 3 Weeks time point to a minimum of 6.95 at the 3 Months. The mean HADS (Anxiety) decreased from a maximum of 6.17 at the 3 Weeks time point to a minimum of 3.95 at the 3 Months. 9 (13.8%) patients moved from the category AMP: K0 to the category K1. 15 (23.1%) patients moved from the category AMP: K1 to the category K2. 9 (13.8%) patients moved from the category AMP: K2 to the category K3. 3 (4.6%) patients moved from the category AMP: K3 to the category K4. The overall change was statistically significant.

**Conclusion:** In Malaysia, this is the first study of psychological and functional outcome after amputation. It highlights the role of mental health in the management of patients after amputation. In view of the high levels of anxiety and depression in amputees, it is suggested that psychological evaluation and intervention should form a part of the overall management of amputees.