

## Self-Made Prosthesis Changed Quality Of Life

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### INTRODUCTION:

The number of people underwent lower limb amputation surgery have vastly increased over the years. The main reasons of lower limb amputations are infection, ischemia, trauma and cancer. This kind of patient facing difficulty in their daily living activities. This kind of patient required special medical device for ambulation. We report a case of a man with history of below knee amputation and the life changes he had after use prosthesis.

### MATERIALS & METHODS:

A 44 year old gentle man presented to us 2 years ago with infected wound over left foot after he stepped on sharp object. He had multiple debridement done over his left foot and ended with below knee amputation in view of complicated with necrotizing fasciitis. He was on wheelchair bounded for 4 month after amputation and have stopped working due to the limited availability of prosthesis at the time. Subsequently, he made himself a lower limb prosthesis after 9 month and he resumed to his daily task and work. The prosthesis is made from PVC pipe, wood and metal from bicycle seat.

### RESULTS:

The prosthesis lasted until now and patient was free from the complication post amputation without prosthesis. He is still remain active and able to continue his work using his self-made prosthesis. He also able to walk normally without the aid of any walking stick.



**Figure 1: self-made below knee prosthesis**



**Figure 2: Below knee amputation stump**

### DISCUSSION:

The lost of limb is a catastrophic in amputee life. The patient can suffered physically and emotionally post amputation. A good quality prosthesis can help patient back to their normal life, remains active and reduce the complications that might occur if patient bed bound after amputation

### CONCLUSION:

The invention of prosthesis serves as a life changer to all amputee life and ensure that patient not only have a good quality of life, it also serves a confidence boost in terms of cosmetic satisfaction.

### REFERENCES:

1. Carolyne E. Horne, Janice A. Neil  
Quality of life in Patients with prosthetic leg: A comparison study