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## Effectiveness of physiotherapy rehabilitation on people with post-operative lower limb amputation at physical rehabilitation center in Cambodia

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Limb amputation leads to permanent disability and impacts significantly on an individual's life and function. Many studies have shown the effectiveness of physiotherapy on mobility and functional ability of the lower limb amputations. However, in Cambodia there have been no clear study to assess the effectiveness of the physiotherapy rehabilitation on lower limb amputation. The 30 lower limb amputations received the physiotherapy rehabilitation at two physical rehabilitation centers (Kampong Speu and Battambang Provinces) of Cambodia in 2015 or 2016 were recruited. The outcomes of the physiotherapy rehabilitation are assessed with the mean score of three main aspects including body structure and function, daily life activities and mobility tests before physiotherapy rehabilitation and discharged time. The result showed at the baseline overall mean scores of outcome assessments, which were 84.25 and mean overall score before discharge were 90.66. These difference were significant ( $P$ -value=0.0079). The differences were also found in score of body structure domain and function, daily life activities domain. Physiotherapy rehabilitation proved to be effective in improving the mobility and functional ability, specifically on body structure and function and daily life activities of the people with lower limb amputations.

### Biography

Vanny Heng has completed his Diploma of Physical therapy and Advanced Diploma in Physical Therapy in Singapore. He is currently the Head of Physical Therapy Unit of Battambang Physical Rehabilitation Center, Cambodia. He a Visiting Faculty Member at the School of Physical Therapy, University of Health, Cambodia.

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