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Submitting author: Ms Shuk Yee CHEUNG
Post title: Ward Manager, Shatin Hospital, NTEC

Prevention of head injuries by using head protector for high risk faller in a convalescent hospita
Cheung SY(1), Lee P(1), Chan OF(1), Lai D(1), Lai W(1), Ng R(1), Poon LC(1), Tsang KW(1), Lo LC(1), Wong YK(1), Kwan OK(1), Wong WY(1), Ho C(1), Woo LC(1), Chan LN(1), Chan D(1)
(1)Medical & Geriatric of Shatin Hospital

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Introduction
Fall prevention program is a standard of practice in our M&G department. Average fall rate was 0.67, 0.71, 0.63 and 0.51 per 1,000 patient days since 2011 and 2014 respectively. Though fall rate remained similar figure over past year; hip protector program for prevention of hip fractures when fall has been implemented in our department since 2012 with an effective outcome. Nevertheless, 2 out of 146 fall cases suffered from severe head injuries in 2011 and 2012 with 1 patient died after fell with head injuries. Hence, use of head protector to protect patient from head injuries when fall was recommended.

Objectives
1. To promote the use of Head protector for high fall risk patient in ward. 2. To reduce / prevent head injury of high fall risk patient

Methodology
In the first phase, this project was piloted in 2 wards in Jun 2013. A workgroup was formed to set up selection criteria to identify high risk fallers. Clarify staffs’ misconceptions related to the use of head protector and encourage nursing and supporting staffs wore head protector on their own initiative to experience its feeling. In the second phase, the project was rolled out to all 10 M&G wards in June 2014. Facilitator of each ward was identified for full implementation of this program to all wards.

Result
Result In the first phase, the study period from June 2013 to May 2014, 3.49% (43/1230) patients were selected as high risk fallers. Overall compliance rate of using head protector was 72% (31/43). In the second phase, the study period from June 2014 to Dec 2014 with high compliance rate of using head protector was 79.35% (123/155). Outcome No patient suffered from head injuries after fall from June 2014 to present. Staff engagement on the role of ward facilitator was enhanced which demonstrated a high compliance rate of its used by the high risk fallers and benefit of this project is also recognized by the ward management.