

## ABSTRACT

The cross-sectional analytic study was conducted to explore the factors influencing the choice of medical profession as their future career plan among house officers in University of Medicine (1), Yangon in 2015. Altogether 246 house officers were recruited for this study using purposive sampling methods. The study used the pretested self-administered semi-structured questionnaires concerning with socio-demographic characteristics, reason for attending medical university, academic performance and future career plan.

The mean age of house officers were 22.43 and majority are female. More than 80% of their parents were graduates and 11.79% of fathers were from health related works. Half of house officers (54.88%) obtained more than 500 marks in matriculation exam. The most common reasons for choosing the medical university at the time of University entry were interest in medical profession (30.89%), parents' desire (22.36%) and multifactor (28.86%) including higher matriculation marks, parents' desire and peer pressure. Most of house officers (78.9%) were satisfactory in their academic performance. More than half of house officers (65%) intended to continue as medical profession in their future career plan. One third of house officers also want to join in government service. Among the house officers who intended to be continued as a medical profession, 83.8% intended to attend the further medical specialities. According to the multivariable logistic regression analysis, the study found the reason of interest in medical profession at the University entrance (Adjusted OR 3.62; 95% CI: 1.85 – 7.09) was the only significant predictor for the intention to be continued as a medical profession.

In this study, intentions to be continue medical profession among house officers were reduced compared to previous studies. This reducing trend was also found in their intentions to be in government service. Therefore, medical university should not only focus on matriculation marks for selection criteria but also assess their interest in medical profession to prevent wastage of human resources for medical profession.