Independent Study Title	A comparative Study between the use of Conventional Treatment Combined with Energy Impulse Therapy to Conventional Treatment Alone in Acute Bruise and Pain Injured by Thai Boxing
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ABSTRACT

The objectives of this study were to compare the result of acute bruise and pain treatment in patient which were injured by Thai Boxing through the use of conventional treatment combined with energy impulse therapy (by ONDAMED devise) to conventional treatment alone. Bruise treatment recovery criteria were measured by using 'Bruise Rainbow Scale' and pain treatment using 'Wong-Baker Facial Grimace Pain Assessment Scale', and recovery period was measured by recording number of recovery day(s).

When compared the results of treatment between the two groups by applying t-statistics at 95% of confidence interval or below 0.05 significant level. The result indicates the significant differences between the recovery days of bruise and pain treatment of two groups. The aggregate mean score and SD of bruise treatment showed that the respondents who cured by conventional treatment have been taken longer period ($\bar{x}$ = 10, SD = 2.62) than combining treatment ($\bar{x}$ = 6, SD = 1.84). In addition, the pain treatment results indicated the same direction, mean score and SD showing that the respondents who cured by conventional treatment have been taken

longer recovery period ($\bar{x}$ = 7.47, SD = 2.34) than combining treatment ($\bar{x}$ = 4.48, SD = 1.53).

This study indicates that the use of conventional treatment combined with the energy impulse therapy of bruise and pain patients which were injured by Thai Boxing spent shorter recovery period than conventional treatment alone. Therefore, energy impulse therapy should be considered as another alternative for healing bruise and pain.

Keywords: Conventional Treatment/Energy Impulse Therapy/ONDAMED/Bruise/ Pain/Thai Boxing