**Red Card Warning System to Improve Adherence of Proper Usage of Sharp Bin : a Pilot Study in Resuscitation Zone**

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**Introduction**

Emergency departments are very busy and the disposal of sharp instruments are often ignored by staff leading to failure of hospital quality audit. We device a method to improve this adherence by introducing a ‘Red Card’ Warning System in the resuscitation zone.

**Methodology**

A pre-intervention audit was implemented to determine the rate of proper sharp bin disposal. A ‘Red Card’ warning system was then introduced whereby, audit was performed in every shift. Upon failure, a ‘Red Card’ will be issued for the zone and every staff of the shift was required to pay a fine of RM1 before going home. On the other hand, if the shift ‘passes’ with complete sharp bin disposition, a ‘Green card’ will be issued and no fine needed to be paid. The money collected will be used for staff welfare. A post-intervention audit was then implemented. The difference of compliance rate was compared before and after implementation.

**Results**

Pre-intervention audit showed compliance rate of 42.9% and 21.4% in R1 and R2 respectively before intervention. The rate improved to 100% in both zones after the implementation of the system

**Discussion** the warning and fine system appear to be effective. The amount charged in fine was very minimal, yet the compliance rate improved. This shows that it was not the amount but the effect of imparting money, even if small amount leaves effect of strong reminder to comply with hospital quality adherence.

**Conclusion**

The Red Card warning system is effective to improve adherence of sharp bin disposal. The system can be expanded to other zones to help with quality audit adherence.