Compliance on crash cart's content use in Nehru Hospital at Post Graduate Institute of Medical Education and Research

GUIDED BY - DR. SANDESH KUMAR SHARMA

PRESENTED BY – DR HARKIRAT KAUR

INTRODUCTION

Crash cart is meant for storage and transportation of vital equipments and drugs which may be required during emergencies . For successful management in cardiopulmonary emergencies in golden hours there is need of appropriate crash cart with awareness of staff regarding its content and location .

AIM

To observe and study the compliance of crash cart's content in Nehru hospital at P.G.I.M.E.R Chandigarh

OBJECTIVES

1. To observe the availability of crash cart's contents in wards and ICU's of Nehru hospital at PGIMER Chandigarh
2. To assess any deficiency in the contents

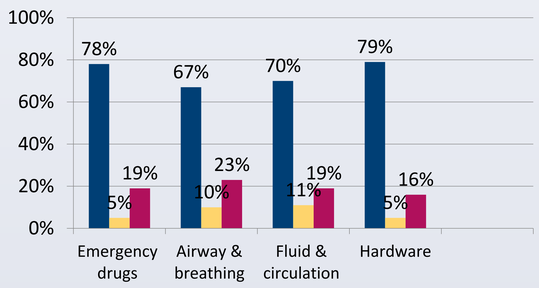
Methodology:

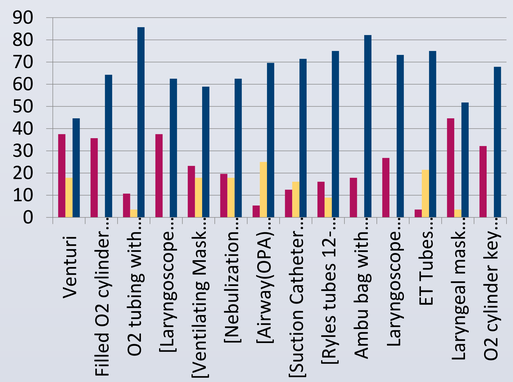
Study design : Cross sectional Observational study
Study area :All the wards & ICU's of Nehru hospital of PGIMER , Chandigarh .
Study duration:8 weeks (April – may 2018
Data collection method : Direct observation with pretested checklist taken form another tertiary care hospital (JIPMER)
Sample Size: 56 C rash carts
Data collection tool :checklist
Data procedure :once checklist filled ,and data taken into excel sheet and after evaluation its represented as graphs

DATA ANALYSIS

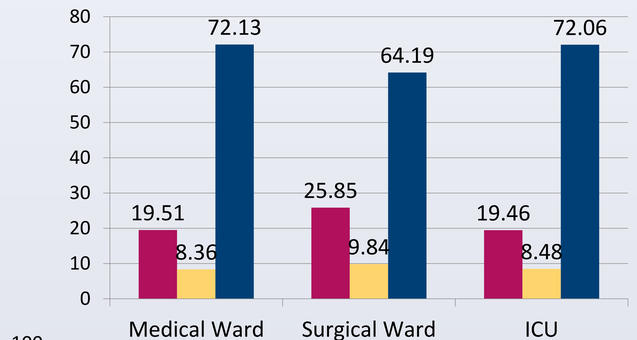
Data analysis done in two ways

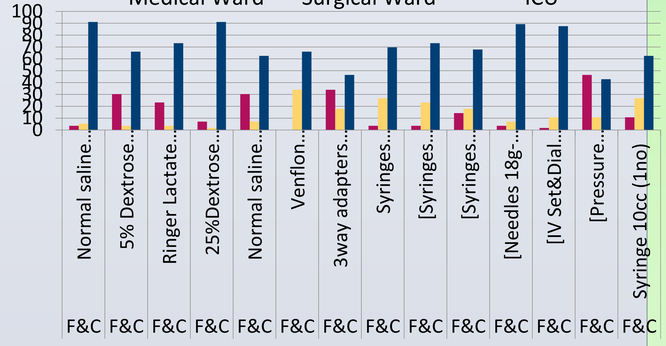
I) Content Analysis
a)Availability of Emergency drugs (ED)
b)Airway & Breathing equipments (A& B)
c) Fluid and circulation Equipments (F& C)
d) Hardware &(e) Others

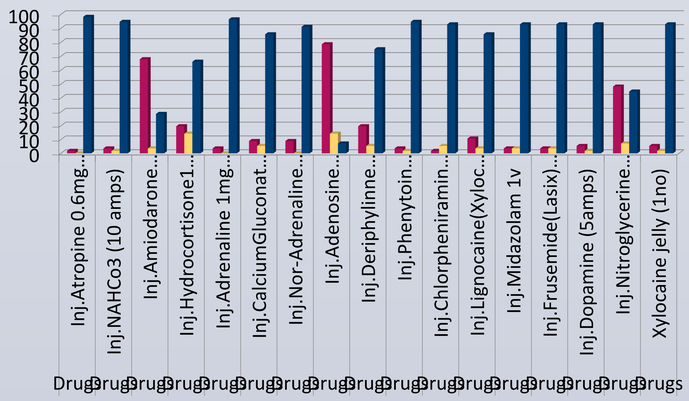


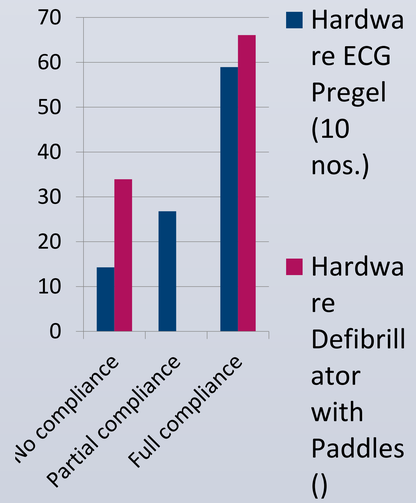


II) Area wise Analysis
(a) Surgical wards
(b) Medical wards
(c) ICU 's









CONCLUSION

- Total crash cart observed = 56
- 30 Crash carts are new and in good condition
- 26 crash carts are old one and out of 26 – 4 are in good condition , 2 needs repair & 20 are unrepairable need s to be replaced

- On Area wise compliance - Total average % compliance of NH
- 74% - Full compliance
- 6% Partial Compliance
- 20 % No Compliance

- ICU 's are more compliance than Medical wards and Medical wards are better than Surgical Wards

- Among Emergency Drugs –some of Cardiac medications (Inj. Adenosine / Inj Amiodarone & Inj NTG have poor compliance which may use in SVT's and Arrhythmias. In deficiency of these drugs we may loose patients

- Defibrillator shows poor compliance some need to repair and require regular checking whether its functional or not on daily basis

- Though PGI is centrally supplied but Filled oxygen cylinders have poor compliance which is big worry for such a big running hospital .

SUGGESTIONS

1) A standard checklist with total number of contents in standard quantity should be made and followed strictly
2) Regular cross checks/ audits should be done to check the quantity, expiry , near expiry and uniformity
3) Mandatory Training session for Nursing staff / Doctors should be included in the Induction programs
4) A policy regarding maintenance of crash carts and their refilling should be made and followed .
5) Responsibility of maintaining crash carts should be assigned to a person .