

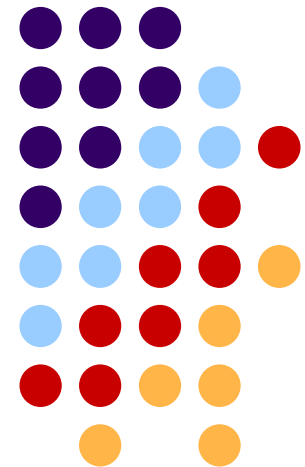
Patient Safety Education for Junior Medical Staff

Marilyn Bullen

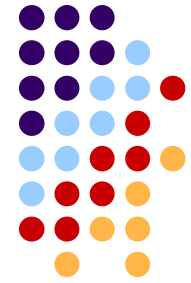
Postgraduate Medical Council of Victoria

Brendan Flanagan

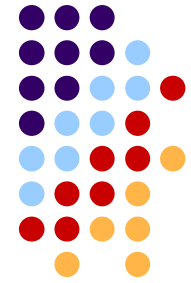
Southern Health Simulation Centre, Victoria
Monash University, Victoria



Background:



- Project commenced in 2007
- Aim: Development of educational resources
- Topics of particular relevance to junior doctors
 - ISBAR: Making a telephone referral
 - Medication Administration
 - Drug Calculations
- Built on Monash University's undergraduate patient safety subject

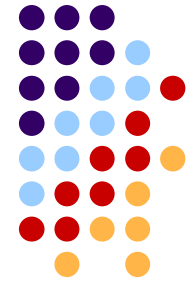


About the modules:

- Short and interactive
- The modules include teaching resources for educators
- **ISBAR:** The ISBAR tool, videos and activity
- **Medication Administration:** Medication error, principles of safe administration, hands-on practical workshop
- **Drug Calculations:** Review basic principles of units, doses and concentrations, conversions, clinically orientated problem solving

I	<u>IDENTIFY</u>	
	Identify self name, position, location & who you are talking to Identify patient name, age, sex, location	
S	<u>SITUATION</u>	
	State Purpose "The reason I am calling is..."	
	If urgent – say so	e.g. "This is urgent because the patient is unstable with a BP of 90."
B	<u>BACKGROUND</u>	
	Tell the Story Current problem	
	Relevant history Relevant examination Relevant test results Management	If urgent: Relevant vital signs Current management
A	<u>ASSESSMENT</u>	
	State what you think is going on	
	e.g. "So the patient is febrile and I can't find a source of infection"	Urgent e.g. " The patient seems to be deteriorating, I think they may be bleeding"
R	<u>REQUEST</u> State request	
	e.g. "I'd like your opinion on the most appropriate test"	e.g. "I need help urgently, are you able to come now?"

Results:



ISBAR

I - Identify

S - Situation

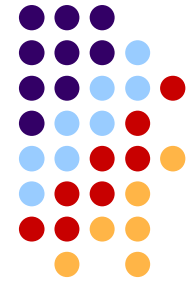
B - Background

A - Assessment

R - Request

ISBAR: Making a telephone referral

- The session is worthwhile: 100% respondents
- Useful take home messages
- Feedback from presenters
- Effective educational methods
- Most useful at the commencement of the intern year



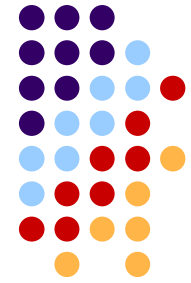
Results:

Medication Administration

- The session is worthwhile: vast range of responses
- Useful take home messages
- Feedback from presenters
- Effective educational methods
- Most useful if given at the commencement of the intern year

The 5 Rs

- Right patient
- Right drug
- Right dose
- Right route
- Right time



Results:

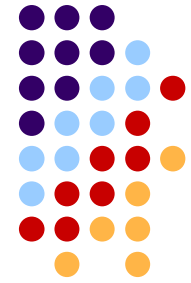
Drug Calculations

- The session is worthwhile: 95% agree, 5% unsure
- Useful take home messages
- Feedback from presenters
- Most useful at the commencement of the intern year

Important formulas to remember

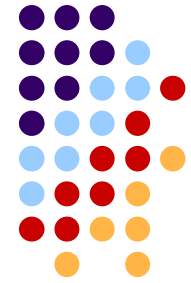
- $1\% = 1:100 = 1\text{gram} / 100\text{ml}$
- $\text{Concentration} = \text{dose} / \text{volume}$
- Units are important - pay attention to them!
- Do the maths that makes sense to you

Summary



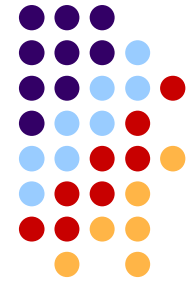
- The three patient safety education modules provide consistent, practical and relevant information that junior doctors consider worthwhile
- Supervisors and educators report that the modules are ready-to-use resources that include appropriate teaching aids

Future directions



1. Currently being used in Victoria, but could serve as educational resources around the country via the ACF
2. The modules could be used as a model for the development of further patient safety education topics

Further information



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