The Transfusion Game

... taking safety seriously ...
Transfusion Training ... Why?

1996

SHOT

SERIOUS HAZARDS OF TRANSFUSION

STATUTORY INSTRUMENTS

2005 No. 50

HEALTH AND SAFETY

The Blood Safety and Quality Regulations 2005

MHRA
Medicines & Healthcare products
Regulatory Agency

N

Right patient, right blood

Blood transfusions involve a complex sequence of activities and, to ensure the right patient receives the right blood, there must be strict checking procedures in place at each stage.

An initiative has been launched that offers a range of long and short term strategies to ensure blood transfusions are carried out safely. The National Patient Safety Agency (NPSA), the Chief Medical Officer’s National Blood Transfusion Committee (NBTC) and Serious Hazards of Transfusion (SHOT) have collaborated to develop and evaluate these strategies.

Administering the wrong blood type (ABO incompatibility) is the most serious outcome of error during transfusions. Most of these incidents are due to the failure of the final identity checks carried out between the patient (at the patient’s bedside) and the blood to be transfused.

SHOT data have shown that between 1996 and 2004, five patients died as a direct result of being given ABO incompatible blood. ABO incompatibility contributed to the deaths of a further nine patients and caused major morbidity in 54 patients.
Transfusion Training ... the dark ages

- Limitations of Power Point
- Temptation to overload
- Rigid Format / Linear / Interruptions
- Passive / Soporific
- Presenter & Audience Fatigue
- Assimilation & Retention?
“In every job that must be done there is an element of fun you find the fun and snap! the job's a game”

The Transfusion Game ... *design*

- Pack of Playing Cards ...
- One Card per ‘process step’
- Deal hands or throw on table
- Create a logical timeline

- Fit within a 1 hour session
The Transfusion Game ... development

- Initial ‘pack’ of 57 cards including ‘Jokers’
- Reduced this to 24 cards (and no Jokers!)
- Some cards now incorporate questions
- Optimum group size 6 – 15 (12 ideal)
- < 6 ... discuss each card in turn
- > 15 ... play by ear!
The Transfusion Game ... *in practice*

- Well received
- Intrinsically interactive
- Questions & comments flow naturally
- Critical steps are highlighted
- Visual Aids (key documents etc)
- **Time can be an issue**
- Size of group is a major factor
- “Enjoyable learning experience”

“Able to see the whole picture - correct procedures before and after Transfusion”.

“Really enjoyable session - got everyone talking / discussing”.
The Transfusion Game ... experience

- Technology free zone
- Generic: fundamentals covered
- Suitable for groups with mixed skills
- Repeat exposure not a problem
- More flexibility in running sessions
- Evaluation has been very positive
- Helpful, Informative & Memorable
The Transfusion Game ... Evaluation.

Evaluation forms from sessions in 2013 (350 responses)
1. Quantitative scoring (1-5) of presentation and overall score.

<table>
<thead>
<tr>
<th>Staff Groups</th>
<th>Responses</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV access HCSW</td>
<td>11</td>
</tr>
<tr>
<td>IV access Qualified Nurses</td>
<td>117</td>
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<tr>
<td>Midwives</td>
<td>122</td>
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<tr>
<td>TP teaching sessions</td>
<td>83</td>
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<tr>
<td>ITU Study Days</td>
<td>17</td>
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</table>
The Transfusion Game ... Evaluation

2. Qualitative scoring of Game (more than one choice possible).

<table>
<thead>
<tr>
<th></th>
<th>#</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste of Time</td>
<td>1</td>
<td>0.2%</td>
</tr>
<tr>
<td>Silly</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>Not for me</td>
<td>1</td>
<td>0.2%</td>
</tr>
<tr>
<td>Fun</td>
<td>68</td>
<td>11.0%</td>
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<tr>
<td>Helpful</td>
<td>179</td>
<td>28.9%</td>
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<tr>
<td>Informative</td>
<td>232</td>
<td>37.5%</td>
</tr>
<tr>
<td>Memorable</td>
<td>138</td>
<td>22.3%</td>
</tr>
</tbody>
</table>

* multiple choices allowed.
• Additional Packs funded by ABUHB
• Ward Based Trainers / Assessors given copies
• A4 size Pack for small / large groups
• Neo-natal Pack developed ... others possible
The Transfusion Game ... Outcomes ...

- Teaching is easier and more appreciated
- Clinical Staff more aware (detect PID errors)
- Staff remember ‘The Game’!
With appreciation to:

Charlotte Smith (ex WBS Transfusion Practitioner)
Sarah Beuschel & Lorraine Lewis-Prosser (Current TPs)
Aneurin Bevan University Health Board: ABCi Team
Julie Andrews, the Sherman Brothers & Walt Disney.

Well Done!
Another patient transfused Safely and Appropriately.

RIGHT PATIENT ...
RIGHT REASON ...
RIGHT BLOOD ...
RIGHT TIME ...
RIGHT PLACE ...

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Thank You
Diolch yn fawr
Any Questions?