





Crew Resource Management in Major Trauma 10th European Congress on Emergency Medicine

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FACULTY OF PRE-HOSPITAL CARE

Setting and Maintaining Standards for Training, Research and Clinical Practice in Pre-Hospital Emergency Medicine



In memory
Of
Ian Rentell

1951 - 2016

Outline of session

 Describing Crew Resource Management (CRM) & Human Factors

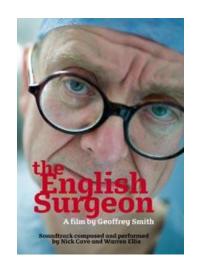
Putting CRM & Human factors into action

Learning points to share

"Every surgeon carries within himself a small cemetery, where from time to time he goes to pray – a place of bitterness and regret, where he must look for an explanation for his failures."

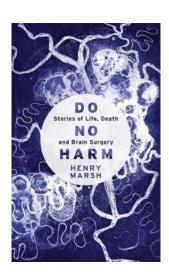
Rene Leriche 1951 Hope is more important than anything else in life

What are we, if we don't try to help others?



We are nothing at all.

Henry Marsh CBE FRCS
Consultant Neurosurgeon
St. Georges, London.



Crew Resource Management (CRM)

- System promoting optimal use of all available resources:
 - people, equipment, and procedures to promote the best possible outcomes
- Depends on effective team leadership

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How to Guides and Human Factors Resources



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Share Your Story

Please Contact Us
Anonymously and Help Us
to Produce a Library of
Patient and Staff Evidence

Brow Cat

Can't Find Looki

13

¥ 8+



Exceptional talks Q

Sharing ideas on Risk, Human Performance, Teams and Leaders

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Welcome to Risky Business Conference Talks

Evolution of CRM



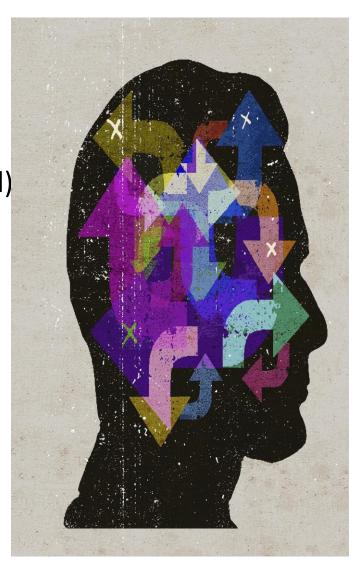
• NASA 1979

Improving air safety

Primary
 cause of
 "accidents"
 due to

Non-Technical Human Factors that influence high performing teams

- Attitudes
- Bandwidth
- Communication (Verbal & Non Verbal)
- Defuse conflict
- Evaluating & Learning
- Failure to be situational aware
- Gradients of power



"Dirty Dozen" – Error promoting conditions Sqn Leader John Franklin MBE RAF S02 Eng FW

Lack of: Abundance of:

CommunicationPressure

ResourcesStress

AssertivenessNorms

Situational AwarenessFatigue

TeamworkDistraction

– Knowledge– Complacency

Major Trauma CRM & human factors in challenging pre-hospital cases

Health warning!

At the start of every shift on HM56

HEMS Qualification: In date?

Had enough rest 12 Hrs since finish of last shift?

Had something to eat & drink?

Physically well to fly?







6th November 2013 08:10 Hrs

South West Ambulance Service requesting support on the B3075 Road in Dorset.

Car v Fire Engine

Multiple Casualties



How did this effect me?

Sadness

- for deaths and injuries

Guilt

- for not having or could have done more

Anger

- at what has happened
- at whoever caused it or let it happen at the injustice of it all
- at the lack of understanding of others

Shame

- for not having reacted as you would have wished - for having appeared 'needy'

Fear

- of 'breaking down' or 'losing control' - at or on a similar event happening again

Memories

- of past, similar events
- of feelings of loss or of concern for others in your life

Trauma Risk Management (TRiM)

don't bottle up your feelings, tell someone
don't avoid talking about what happened
don't be too hard on yourself
don't expect the memories to go away immediately- time!

do try to re-establish your normal social and work routinesdo drive with greater care, your concentration may be impaireddo be more careful in general

Thank you, Ian Mew & Clive Stevens!







"Taking care of yourself is NOT a luxury

It's the first priority in ensuring you do all other important things well".

Liz Crowe 02 10 2016

I believe that.....

Crew Resource Management & Human Factors
 <u>MUST</u> be a compulsory part of any trauma
 care curriculum.

 Understanding yourself, your strengths and weakness' are Human Factors that will enable you to be a better clinician.

 You never think it will happen to you – take care of yourself and each other. It's a marathon not a sprint!

Thanks & Take care!

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