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274 CLINICAL FEATURE
Safer anaesthetic rooms: Human factors/ergonomics analysis of work practices
M Davis, S Hignett, S Hillier, N Hames and S Hodder
The aim of this study was to analyse the design of anaesthetic rooms using human factors and ergonomics (HFE) methods. The methods used were hierarchical task analysis, link analysis and anthropometry. The study found several latent design errors which negatively affected drug and patient preparation tasks. Recommendations include anaesthetic room layout design modifications and system level changes. HFE principles provide generic recommendations but specific design details may not be generalizable. Further research is needed to explore the implementation of system changes.

278 CLINICAL FEATURE
Culture, silence and voice: The implications for patient safety in the operating theatre
C Jones and M Durbridge
Team culture is an important antecedent to safety behaviours such as speaking up. A positive safety culture in the operating theatre has been linked to fewer adverse events. Psychological safety, a component of safety culture, is the belief that the team is safe to take risks such as raising concerns. Power dynamics can influence active speaking up behaviour or ‘voice’. When theatre team members chose to remain silent rather than voice concerns this can be a protective or defensive strategy rather than passive inactivity.

285 CLINICAL FEATURE
Human factors and non-technical skills. Teamwork
F Roche
Research suggests that there is a strong correlation between errors associated with human factors and failures of staff non-technical skills (Ahmed et al 2012). These are the cognitive, social and personal skills that complement technical ability and encourage safe and efficient practice (Mitchell et al 2011). Seven key non-technical skills have been identified, all of which have a bearing on perioperative safety (Flin et al 2008). This paper will consider one of these skills - teamwork. It will briefly look at how teamwork impacts on perioperative safety and then examine some of the evidence around whether enhancing these skills can reduce errors and improve patient outcomes.

289 KEY PEOPLE OF INTEREST
An interview with Martin Bromiley
M Guckian Fisher
An interview with Martin Bromiley who, after the tragic death of his wife, recognised that the NHS was culturally a long way behind most other high risk industries and has subsequently influenced the way the healthcare industry looks at human factors and non-technical skills. Martin founded the Clinical Human Factors Group, the non-profit making charitable trust which aims to advise and promote best practice around human factors.

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The Journal of Perioperative Practice
Managing Editor Christine Wiles
Email: chris.wiles@afpp.org.uk
Tel: 01423 882950 Fax: 01423 880997

JPP Advertising Open Box Publishing
Email: frances.murphy@ob-mc.co.uk
Tel: 0121 353 1469

The Association for Perioperative Practice
Daisy Ayris House
42 Freemans Way
Harrogate
HG3 1DH

General: 01423 881300
Membership: 01423 882944
Events: 01423 882948
Website: www.afpp.org.uk
Email: membership@afpp.org.uk

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The Association for Perioperative Practice
Daisy Ayris House
42 Freemans Way
Harrogate
HG3 1DH
United Kingdom

Email: hq@afpp.org.uk
Telephone: 01423 881300
Fax: 01423 880997
www.afpp.org.uk