

An integrated multidisciplinary model: patients and staff benefits

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Jack Bell

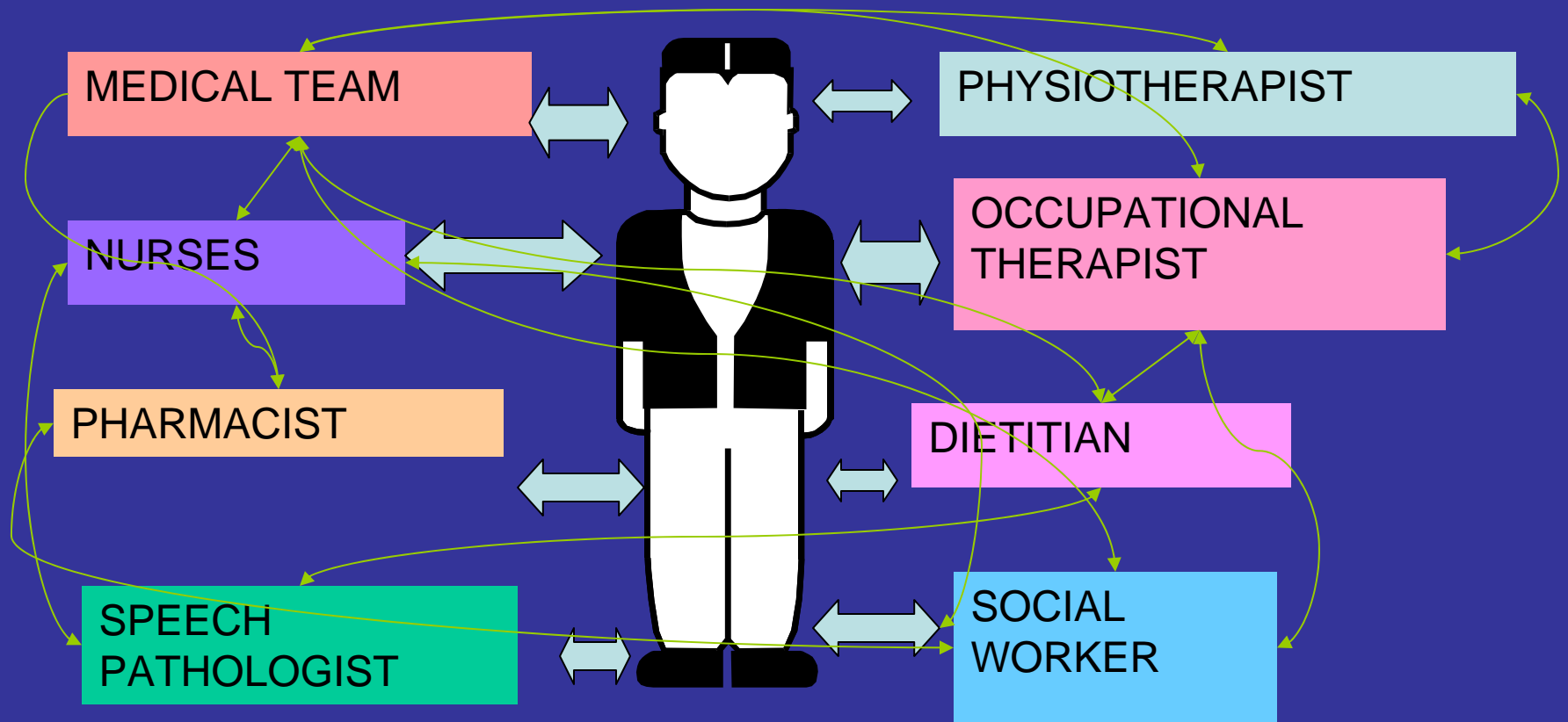
Kath Richter

RBWH Internal Medicine Wards

Revolution and Evolution

- Revolution: a forcible overthrow of a government or social order in favour of a new system
- Evolution: gradual development
 - *Also, in chemistry: giving off a gaseous product or heat*

The challenges of medical patients...



Acute care for older medical patients

- **Multidisciplinary care**

Curley C et al. Medical Care 1998, Landefeld S et al. NEJM 1995

- **Functional focus**

Covinsky K et al. JGIM 1997

- **Discharge planning**

Parkes J, Shepperd S. Cochrane Library 2002

- **Physical environment redesign**

Landefeld S et al. NEJM 1995

- **Comprehensive geriatric assessment**

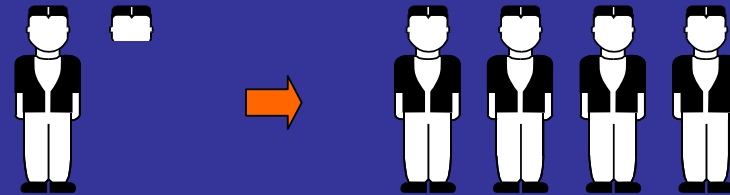
Stuck et al Lancet 1993

The Model: “Enhanced multidisciplinary care”

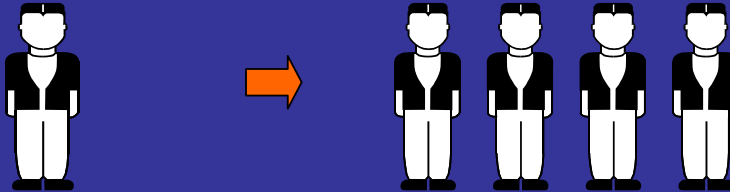
Improve team processes:

- Early assessment of patient needs
- Mandated daily MDT meetings
- Consistent, coordinated team

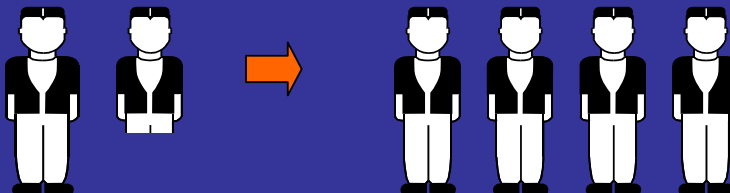
PHYSIO



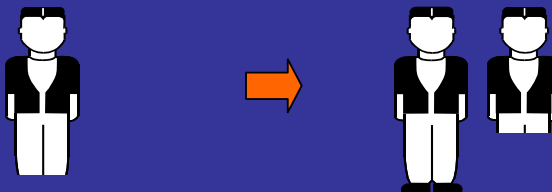
OT



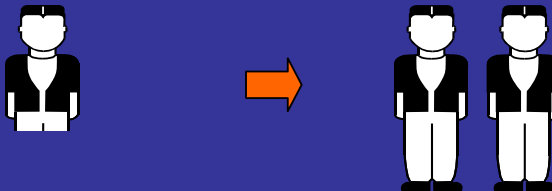
SOCIAL
WORK



NUTRITION



SPEECH

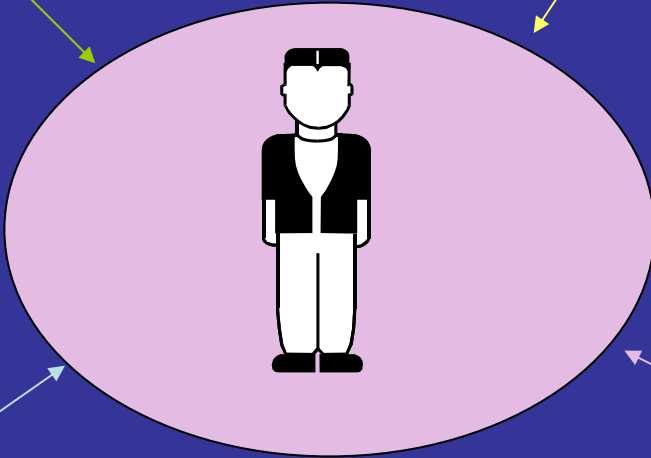


Results

- Significant reduction in
 - Hospital mortality (4.3% vs 6.2%, $p=0.03$)
 - Functional decline in hospital (3.3% v 5.7%, $p=0.02$)
- Trend to reduction in
 - Length of stay (7.3 v 7.8 days, $p=0.18$)
 - Hospital use over 6 months (13.7 v 15.1 days, $p=0.16$)

Compliance with model

Proactive risk assessment



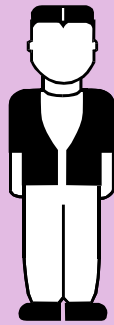
Performance monitoring

Professional support

Evolving clinical governance

- IMMOC interdisciplinary quality committee
 - Risk assessment and intervention
 - Critical incident reporting
 - Medication safety issues
 - Model compliance
 - Performance monitoring and feedback
 - Research and innovation

RESEARCH



EDUCATION



Evolving research

“Team research in internal medicine” (TRIM)

- Driven by clinical problems/questions which cross professional boundaries
- Opportunities for significant academic collaborations, skill sharing and funding
 - *Psychosocial predictors of readmission*
 - *Physical and cognitive programme to maintain functional independence in the elderly*
 - *Interdisciplinary clinical handover*
 - *Barriers to adequate nutrition in hospital*
 - *Delirium management programme*

Interdisciplinary education

Interdisciplinary education

IDEAS – Interdisciplinary Education and Service Improvement

- Interdisciplinary forum to support
 - Quality in service;
 - Innovation;
 - Teaching; and
 - Research

Interdisciplinary education

Terms of Reference

- Identify gaps in service delivery
- Identify and review models of care
- Promote cross-fertilisation of ideas
- Encourage and support innovation
- Champion interdisciplinary education
- Foster research, EBP, and CQI
- Link in with existing clinical governance and established processes

Interdisciplinary education

Outcomes

- Who turns up?
- What do we discuss?
- When do we meet?
- Where do we progress things?
- Why do we bother?
- How are we sustaining it?

Interdisciplinary education

5 golden rules of renovation

- Show your plans to as many people as you can before you build
- Don't ask a Sparky to fix your toilet
- Use No-More-Gaps wisely
- Don't forget the network cabling
- Find out what beer your builder likes and don't forget to 'wet the roof'!