







LEYTON ORIENT FC MATCHROOM STADIUM BRISBANE ROAD LEYTON LONDON E10 5NF

t: 020 8926 1111

f: 020 8926 1110

e: info@leytonorient.net

w: www.leytonorient.com

Ticket Office: 020 8926 1010

Club Shop: 020 8926 1009

Community Sports Programme: 020 8556 5973

BOARD OF DIRECTORS

Barry Hearn (Chairman)

Nicholas Levene (Vice Chairman)

Steve Dawson (Chief Executive)

David Dodd

Steve Davis OBE

COACHING STAFF

Martin Ling (Manager)

lan Culverhouse (Assistant Manager)

Alex Inglethorpe (Youth Team Manager)

Jack Demetriou BSc Hons (Physiotherapist)

Steve Rigby (Kit Manager)

Colin Reitz BSc (Fitness Coach)

Gary Karsa (Head Of Youth Development 9-16)

Dr Carl Waldmann club doctor

ADMINISTRATIVE STAFF

Lindsey Freeman (Club Secretary & Ticket Office Manager)

Matthew Porter (Press Officer & Website Editor)

Sharon Jones (Retail Manager)

Natalie Chalmers (Assistant Ticket Office Manager)

Adrian Martin (Head Groundsman)

Grant Cornwell (LOCSP Director)

Jim McNeill (Chief Safety Officer)

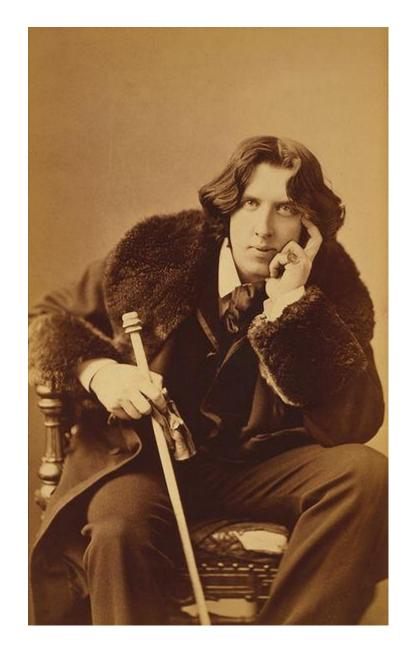
Rev. Alan Comfort (Club Chaplain)

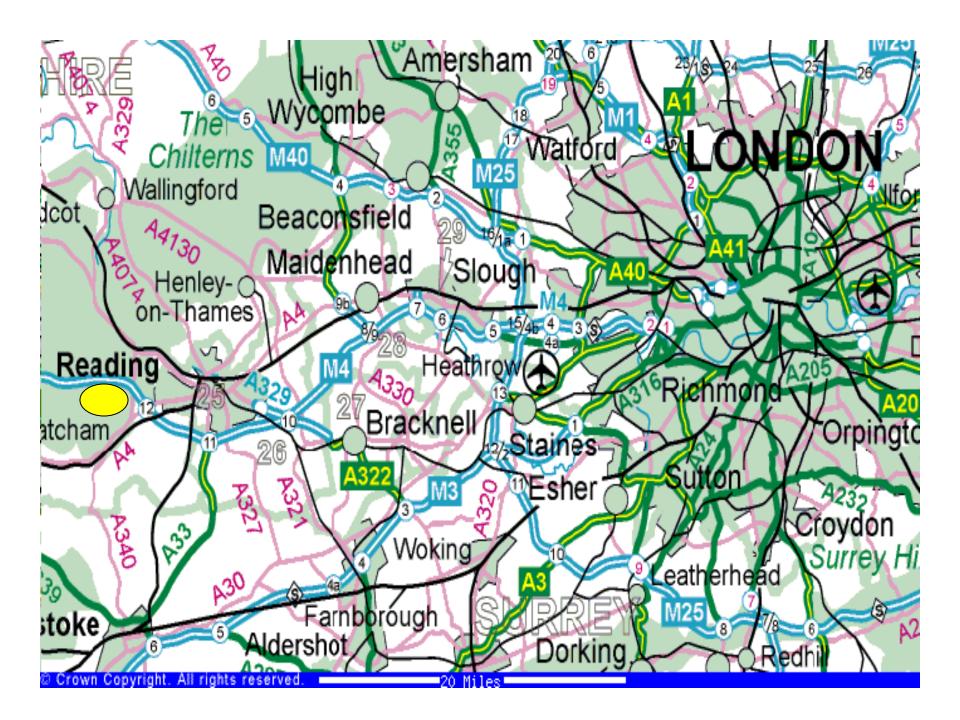
Trevor Joel (Vice-Presidents Chairman)

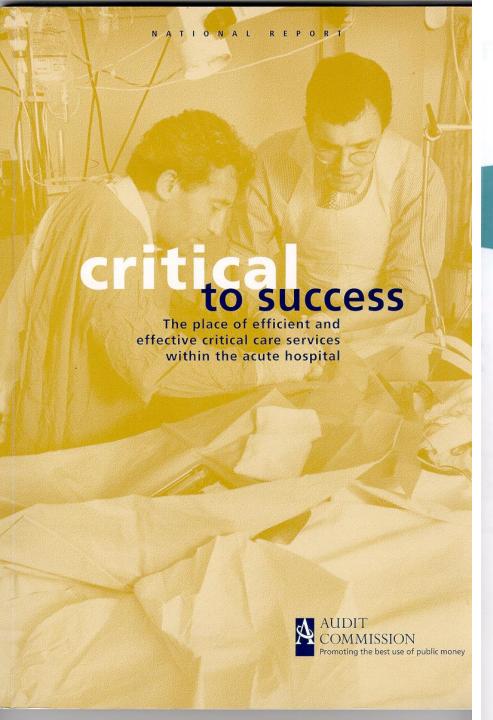
Andrew Buonocore (Matchday Announcer)













Comprehensive Critical Care

A REVIEW OF ADULT CRITICAL CARE SERVICES























www.nhsdirect.nhs.uk

Animal Intensive Care Unit

Birds in Need Will be Getting More ...



...And That's the Best Reason of All

· HANDFEEDING

INJURED

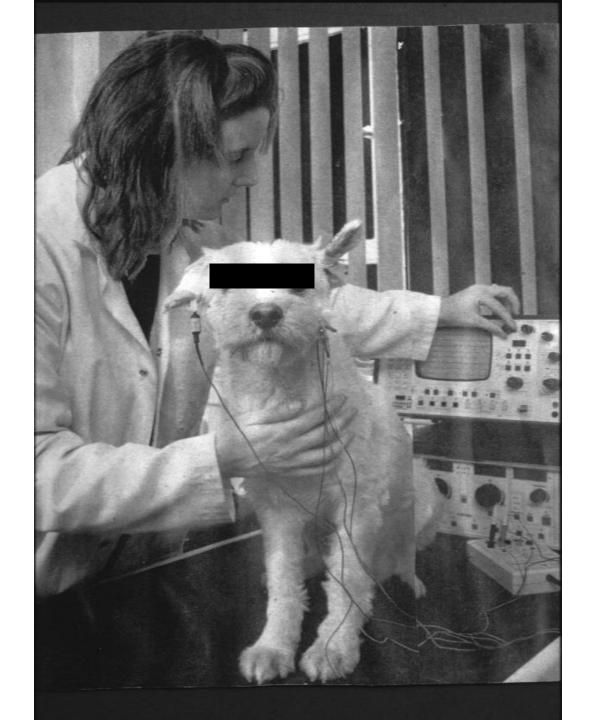
· ILL

THE "AIGU" ANIMAL INTENSIVE CARE UNIT, was designed, veterinary tested and proven by Hannis L. Stoddard III, DVM Outside dimensions 31-3/8 x 14-1/2 x 13. Inside dimensions 24 x 12 x 12.

CALL OR WRITE FOR INFORMATION AND FREE BROCHURE ANIMAL CARE PRODUCTS, 3179 Hammer Ave., Suite 5, Norco, CA 91760 TEL (714) 371-2465 FAX (714) 737-8967 TEMPERATURE

· FILTERED AIR

· HUMIDITY



More than 140 000 patients are admitted to intensive care units in the United Kingdom each year, of whom more than 50 000 die within a year of admission.12 These patients have an excess long term risk of death compared with the general population matched for age and sex,34 and a substantial percentage continue to experience both physical and psychological problems after discharge.5-11 Studies assessing health related quality of life after intensive care suggest that it improves over time but that people do not return to the same level of health that they had before they fell ill and their health related quality of life is lower than the general population norms for at least the first year.12 12-18 The reported prevalence of anxiety, depression, and post-traumatic stress disorder is also high and may endure for many years. 78 10 17 18 Patients' perceptions of their intensive care experience are also associated with subsequent distress. 19-22 These continu-

nerceptions of their intensive care experience are also associated with subsequent distress. 19-22 These continuing problems have implications for patients and families and carers, and impose a continuing financial burden on primary and secondary health services.

There is more to life than measuring death

King's Fund Report

PSYCHOLOGICAL





PHYSICAL

DRUKS. RAL ANHAS ONE of the six human guinea By Angella Johnson

pigs in the 'Elephant Man' drug trial has been given the shattering news that he has cancer, The Mail on Sunday reveals today.

David Oakley, 35, has been diag-

nosed with a lymphoid malignancy - one of the most aggressive cancers. He must now endure a terrible wait to discover whether it

Until today, the driving instructor

from Ealing, West London, has been known only as Patient A. He has waived his anonymity in an exclusive interview with The Mail on Sunday.

He reveals that the drug companies involved have not paid for any of his treatment and calls for them to face

Continued on Page 8



His Gorgeousness Prince Charles and me ... by the Royal Bridget Jones

Page 3 and Review Pages 45, 46, 47, 48

G Н T A R E **S**



U C

I cant go, I haven! seen sutch

CASE HISTORY 1

- Mrs R G Bargey aged 39 in 1986 at St Elsewhere's
- Admitted for HYSTERECTOMY
- PH obese depression
- OPERATION difficult due to bleeding
- POST OP Pulmonary oedema

Poor urine output

Admitted to ICU

ICU 28 days Sedated

Ventilated 24 days

Tracheostomised 7 days

Inotropes

Antibiotics

Ureterostomy

• POST ICU left hospital 3/12

PHENOPERIDINE



PANCURONIUM

RECENT SURVEY IN ITALY

PANCURONIUM

10% of Doctors thought this was a good analgesic and 20% thought it was good for agitation.

Remembers
'being bagged'
tape-measure

Subsequently sued the hospital for mental torture. Out of court settlement £30,000 by Trust.



AMNESTY 56 PAGE SPECIAL BIRTHDAY ISSUE

TORTURE

INTENSIVE CARE

Isolation

Debility/exhaustion

Threats

Occasional indulgences

Degradation

Solitary confinement

Starvation, sleep deprivation

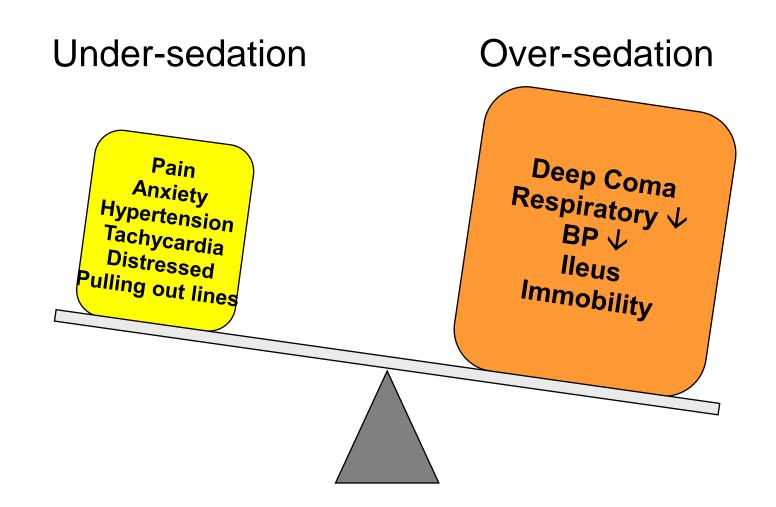
Threats of death, pain

Promises for compliance

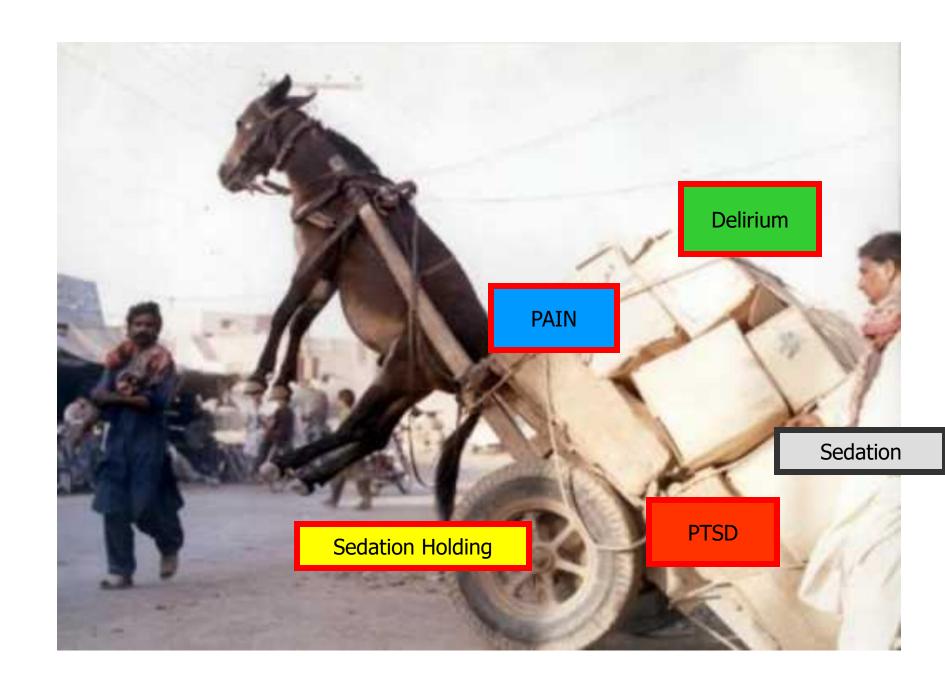
No privacy



Bizarre delusions. Awful dreams. Why IS intensive care a living nightmare for so many patients?



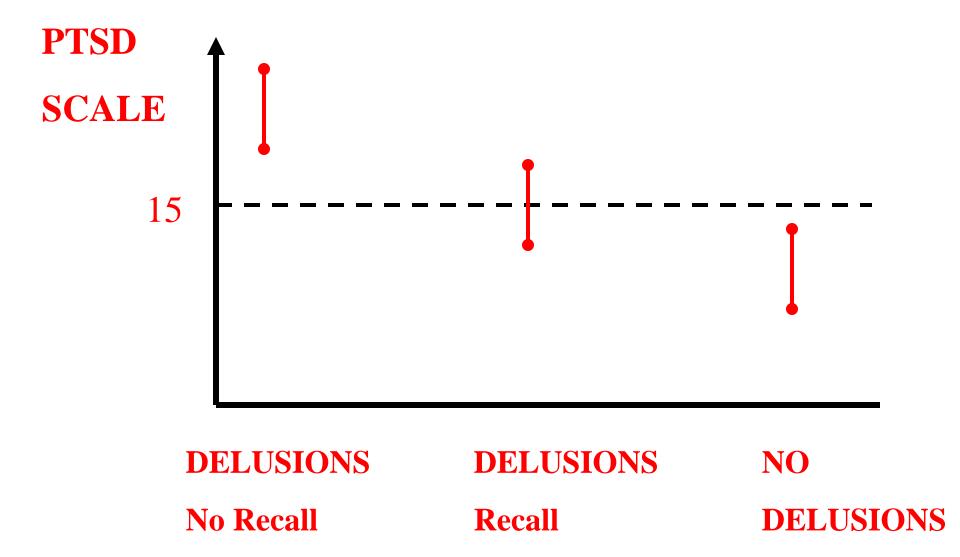
Park G. Curr Anaesth Crit Care 2002; 13: 313-20.





_		







FUC appointments

seen before hospital discharge appointment /booklet given transport home visit

2 month appointment MRI/PFT MRSA Counselling/physio/rehab 6 month appointment report of MRI/PFT repeat MRSA assess progress/refer eg sexual dysfunction 1 year appointment /discharge summary MRSA
Creatinine Clearance ensure referrals organised



Case 2 Age 39yr married 2 children Painter and Decorator

- ICU for 69 days Steven-Johnson after amoxil
- ALI VAP Tracheostomy by ENT
- Multiple bronchial casts
- Oesophageal stricture PEG
- Inotropes CVVHF
- Severe ophthalmic signs, skin/joint/pain

Case 2

- Seen in ICU Follow up poor eyesight, pain, contractures, SOBE, PTSD, inability to swallow –PEG, poor QOL
- Only followed up by Eye doctors
- Needed to organise Resp, Dermatology Pain and ENT referrals as well as physio and counselling for PTSD
- Mortgage company uncooperative and didn't classify **SJS** as a critical illness.
- Feels completely unsupported and is now questioning wisdom of the £120,000+ to keep him alive

Dear I.C.U Follow up team, like to write a pew words to say thankyou to all the team for all the help and support over the last year The biggest help has been ofter each visit. Any concerns or problems that I may have had with my rehabilitation has been delt with birlliantly. If appointements had home Slaw or forgotten about, Mr Con Many thanks again! the team have chased it up 3 to 5 days I've had appor referals through the post. E Yours (still living!!) possible has been done so Slep through the net!

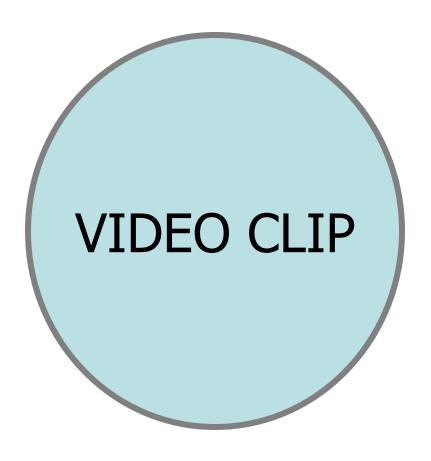
BA

Critically III patients are at high risk of serious neurological complications including long-term cognitive impairment LTCI

LTCI

- De novo cerebral atrophy
- Delirium may be the cause
- ARDS, Sedation weaken links between cerebral cortical regions and ascending reticular activating system (ARAS)
- Independent predictor of mortality

Russell, Singer et al Changing pattern of organ dysfunctionin early human sepsis is related to mortality. Crit Care Med 2000 28 3405-3411



Long term effects

- Anecdotal evidence from running follow-up
 - Forgetful of appointments
 - forgetting to put the water in the kettle
 - Poor recall for telephone numbers
 - Need lots of rehearsal to get things into long term memory
 - Unable to change to a new mobile phone (40 year old woman)
 - Unable to cope with divided attention (changing gear on car ended up on other side of road!)

Neurocognitive Sequelae

- 1. Physical
- 2. Critical Illness Neuropathy
- 3. PTSD
- 4. Cognitive deficits

What are the current tools used in critical care

SUBJECTIVE

- PQOL
- HAD
- NHP
- EUROQOL
- EQ5D
- Are they the right tools for the job?

OBJECTIVE

- QALY
- SAVE
- LIFE-YEARS Saved
- SOCIETAL working

Factors affecting recovery from ICU stay

Anxiety
Depression
PTSD
CFS
employment

Poor ICU care

Poor preICU conditon

Poor intensive after care

Sexual
Dysfunction
Relationship
difficulties
Social

Painful joints
Muscle wasting
Reduced mobility

Poor Memor

Subjective poor health

Poor pre ICU care

Unrealistic expectations

Research by the Department of Work and Pensions shows that one million people on Incapacity Benefit want to return to work and are being prevented from doing so by the system and by the lack of proper rehabilitation.

There continues to be a serious gap in the provision and availability of Rehabilitation

Critical Care Medicine 2003,31 2456-2461

Rehabilitation after critical illness: a randomised, controlled trial.

C.Jones, P.Skirrow, R.D.Griffiths, G.Humphris, S.Dawson, P.White, J.Edleston, C.S.Waldmann, M.Gager, H.Hutchinson & A.Lloyd

ICU Manual

- Book 1 exercise record, fitness plan, smoking, anxiety, physical problems
- Book 2 Self help advice, nutrition, sexual dysfunction
- Book 3 Graded Exercise Physiotherapy directed program use RPE or rating of perceived exertion
- 3 centre study demonstarted improved rate of physical recovery using SF36 compared to controls
- PTSD incidence less at 2 months but the same at 6 months



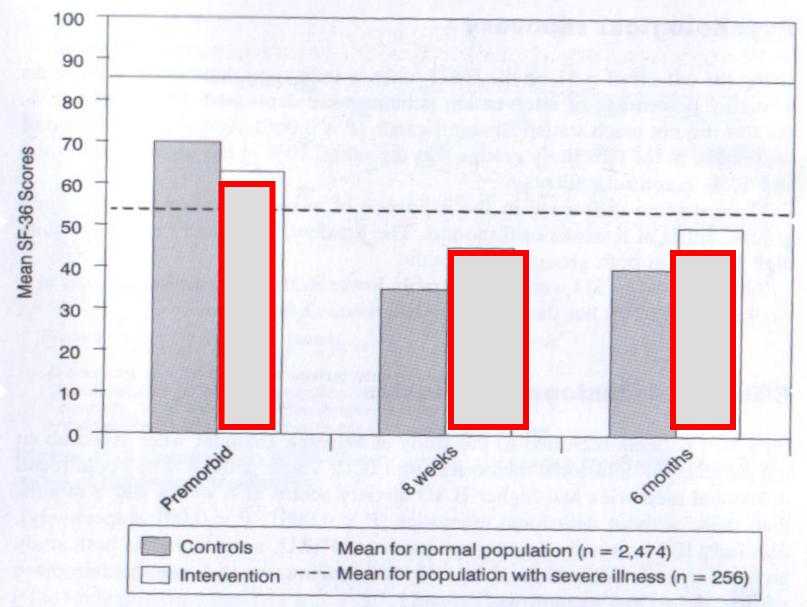


Figure 11.1 SF-36 physical function scores (mean) over time by study group

CLINIC upset at:

- Taste loss and Poor appetite
- Skin/hair/nail disorders
- Ill-fitting clothes
- Sexual dysfunction
- Dreams/nightmares/bad memories or no memory in 84 of a series of 156
- No windows, clocks on ICU
- Pulse oximeter on same finger all week

FOLLOW-UP CLINIC

NURSING £18,000

MEDICAL £ 6,000

ADMINISTRATION £ 4,000

LAB TESTS & X-RAYS £ 2,000

TOTAL

£30,000

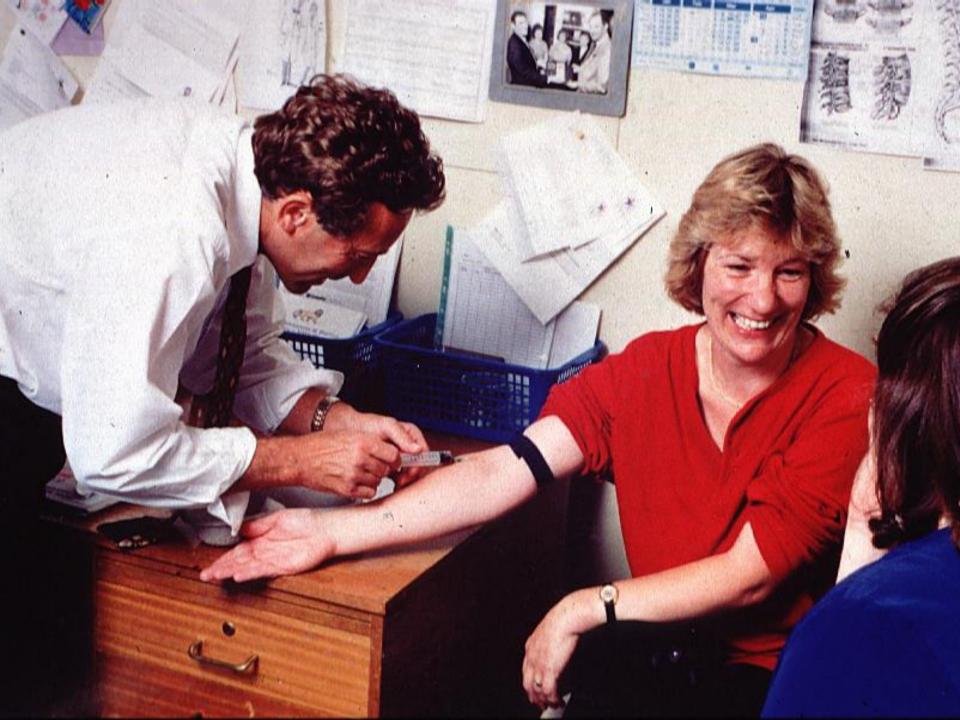
ANNUAL ICU BUDGET 10 BED

NURSING STAFF	£2.0 Million
MEDICAL STAFF	£0.75 Million
SUPPORT STAFF	£0.2 Million
ADMINISTRATION	£0.2 Million
CONSUMABLES/DRUGS	£0.75 Million
EQUIPMENT/MAINTENANCE/CIS	£0.6 Million

TOTAL £4.5 Million

£1500 daily

- Cannot get rehab for multiorgan failure
- Good rehab for Myocardial Infarct
- Good neurorehab for CVAs
- Good back-up for asthma and resp disease
- Post ICU waiting list of 3 months for physiotherapy



The NEW ENGLAND JOURNAL of MEDICINE

ESTABLISHED IN 1812

FEBRUARY 20, 2003

VOL.348 NO.8

One-Year Outcomes in Survivors of the Acute Respiratory Distress Syndrome

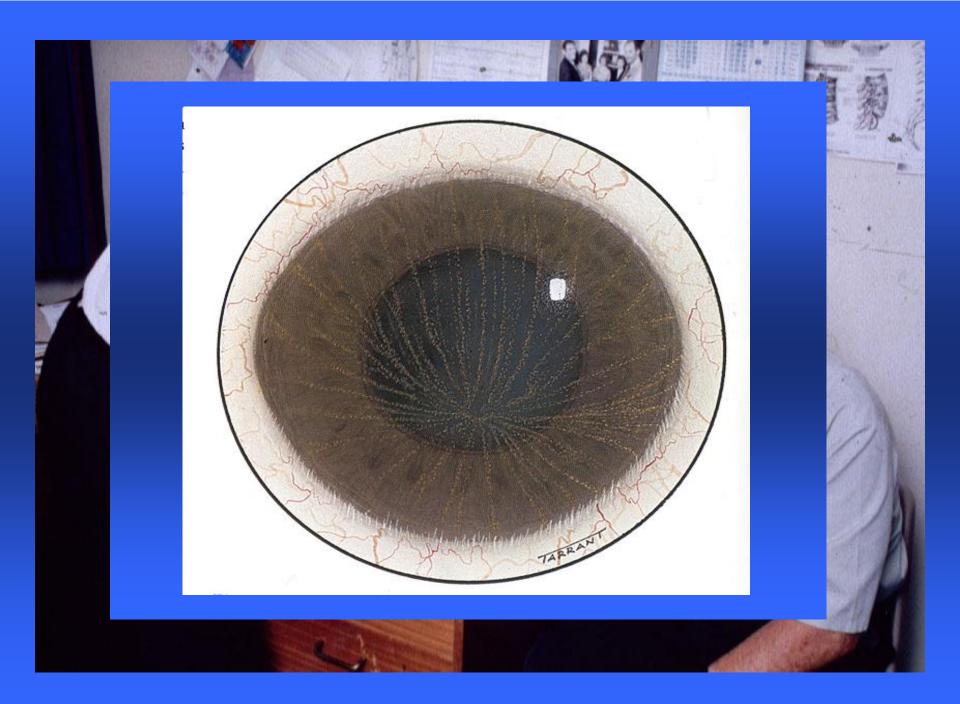
Margaret S. Herridge, M.D., M.P.H., Angela M. Cheung, M.D., Ph.D., Catherine M. Tansey, M.Sc., Andrea Matte-Martyn, B.Sc., Natalia Diaz-Granados, B.Sc., Fatma Al-Saidi, M.D., Andrew B. Cooper, M.D., Cameron B. Guest, M.D., C. David Mazer, M.D., Sangeeta Mehta, M.D., Thomas E. Stewart, M.D., Aiala Barr, Ph.D., Deborah Cook, M.D., and Arthur S. Slutsky, M.D., for the Canadian Critical Care Trials Group

CONCLUSIONS

Survivors of the acute respiratory distress syndrome have persistent functional disability one year after discharge from the intensive care unit. Most patients have extrapulmonary conditions, with muscle wasting and weakness being most prominent.



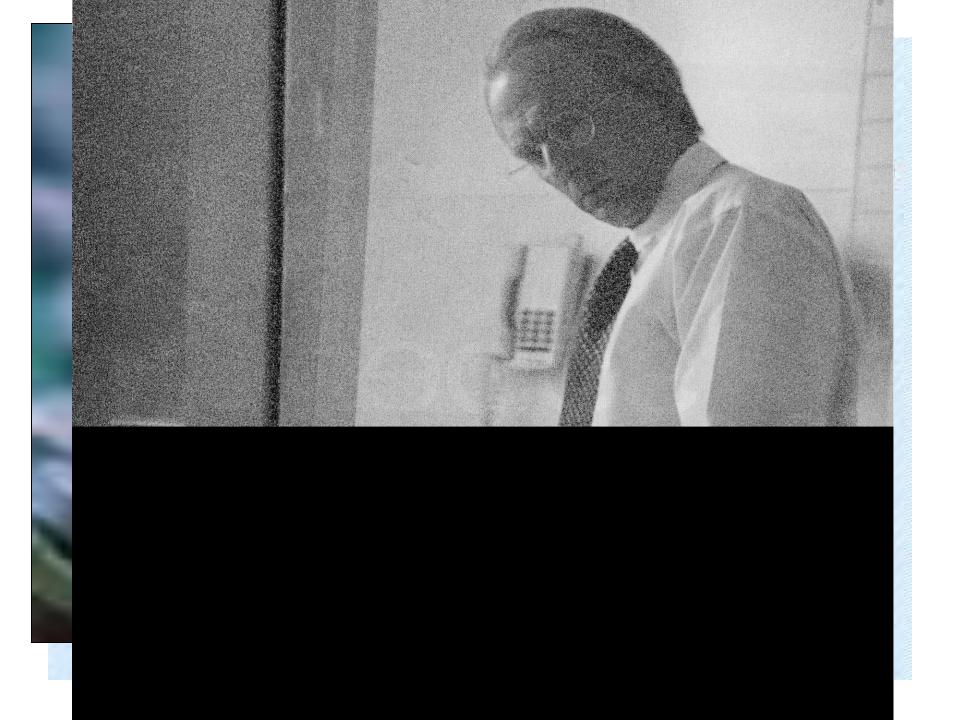












OFFICIAL JOURNAL OF THE EUROPEAN SOCIETY OF INTENSIVE CARE MEDICINE



OF INTENSIVE CARE MEDICINE

THE EUROPEAN SOCIETY OF PAEDIATRIC & NEONATAL INTENSIVE CARE



VOLUME 32
NUMBER 3
MARCH
2006

POLICE

ACCORD

EDITORIAL	Atrial fibrillation in the intensive care unit HEINZ	345
Seminal Study in Intensive Care	Organ dysfunction during sepsis SINGH, EVANS	349
CLINICAL COMMENTARY	Time of non-invasive ventilation NAVA, NAVALESI, CONTI	361
REVIEW	Melatonin: possible implications for the postoperative and critically ill patient BOURNE, MILLS	371
YEAR IN REVIEW 2005	Year in review in intensive care medicine, 2005. II. Infection and sepsis, ventilator-associated pneumonia, ethics, haematology and haemostasis, ICU organisation and scoring, brain injury ANDREWS ET AL.	380
	COMPLETE CONTENTS ON PAGE A3-A4	

Vol 32: (3) March 2006





Intensive Care Med (2006) 32:445-451 DOI 10.1007/s00134-005-0048-7

ORIGINAL

John Griffiths Melanie Gager Nicola Alder Derek Fawcett Carl Waldmann Jane Quinlan

A self-report-based study of the incidence and associations of sexual dysfunction in survivors of intensive care treatment

Received: 16 December 2005 Accepted: 16 December 2005 Published online: 16 February 2006 © Springer-Verlag 2005

Electronic supplementary material The electronic reference of this article is http://dx.doi.org/10.1007/s00134-005-0048-7. The online full-text version of this article includes electronic supplementary material. This material is available to authorised users and can be accessed by means of the ESM button beneath the abstract or in the structured full-text article. To cite or link to this article you can use the above reference.

J. Griffiths () J. Ouinlan The John Radcliffe Hospital, Nuffield Department of Anaesthetics. University of Oxford, Headley Way, Headington, OX3 9DU e-mail: john.griffiths@nda.ox.ac.uk

M. Gager · D. Fawcett · C. Waldmann The Royal Berkshire Hospital, London Road, RG1 5AN Reading, UK

N. Alder University of Oxford, Centre for Statistics in Medicine. Wolfson College. OX2 6UD Oxford, UK

Abstract Objectives: To determine the incidence and associations of sexual dysfunction in survivors of intensive care unit treatment in their first year after hospital discharge using a self-report measure. Design: A prospective observational study. Setting: ICU Follow-up Clinic, The Royal Berkshire Hospital, Reading. Subjects: One hundred and twenty-seven patients aged 18 years and over who spent 3 days or more in the intensive care unit. Main outcome measures: Demographic data; reported incidence of sexual dysfunction and post-traumatic stress disorder symptomatology; association between reported sexual dysfunction and age, gender, post-traumatic stress disorder symptomatology and length of intensive care unit stay: patient and partner satisfaction with current sex life. Results: Fifty-two patients (43.6%) reported symptoms of sexual dysfunction. There was a significant association between sexual dysfunction and post-traumatic stress disorder symptomatology

(p = 0.019). There was no association between reported sexual dysfunction and gender (p = 0.33), age (p = 0.8)or intensive care unit length of stay (p = 0.41). Forty-five per cent of patients and 40% of partners were not satisfied with their current sex life. No other medical practitioner had sought symptoms of sexual dysfunction during the study period. Conclusions: Symptoms of sexual dysfunction are common in patients recovering from critical illness and appear to be significantly associated with the presence of post-traumatic stress disorder symptomatology. The intensive care unit follow-up clinic is a suitable forum for the screening and referral of patients with sexual dysfunction.

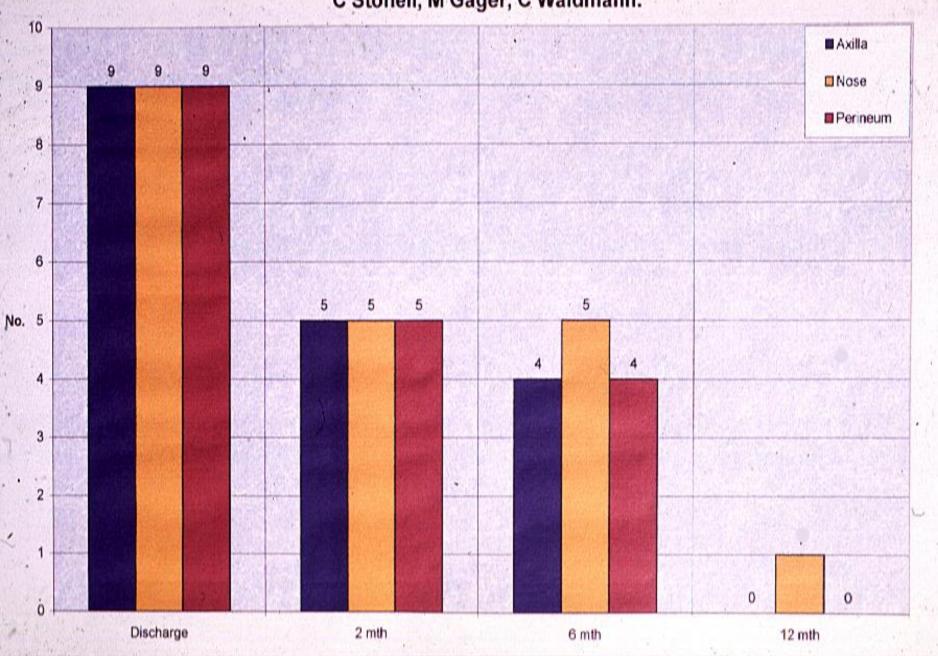
Keywords Intensive care · Sexual dysfunction · Health-related quality of life · Post-traumatic stress disorder

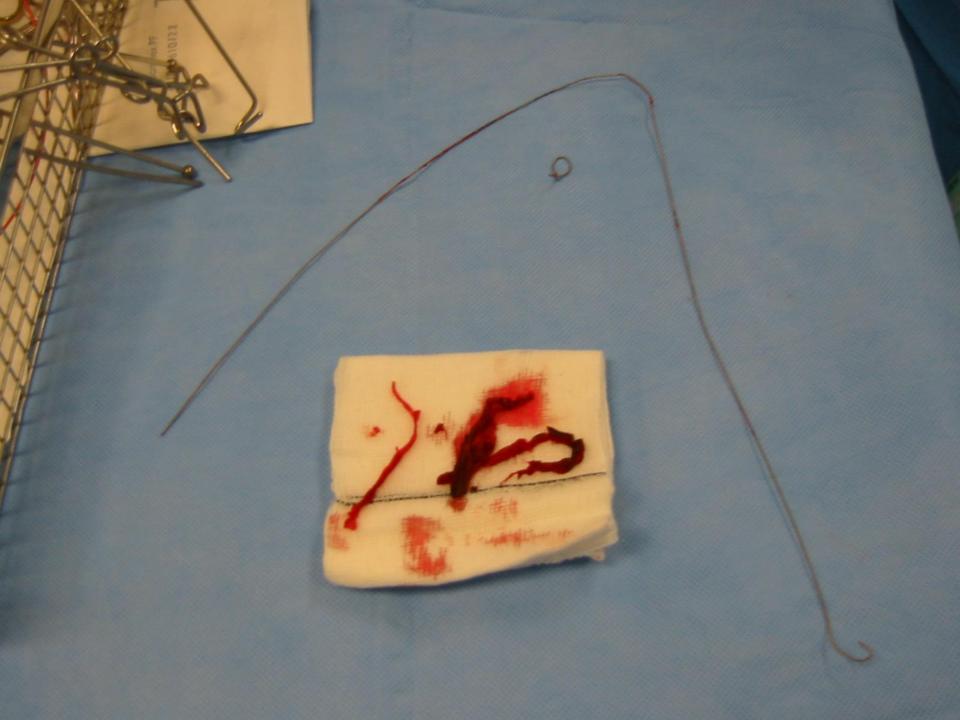
Introduction

Healthy sexual function requires both physical and psychological integrity and is, potentially, a sensitive mea-A modern intensive care unit (ICU) offers a wide spectrum sure of a patient's health-related quality of life (HRQL). of potentially life-saving and life-prolonging treatments Sexual dysfunction has previously been identified in and interventions. However, interventions that can main-patients with cancer [4, 5], neurological disease [6, 7], and tain life in the critical care setting may result in a health after surgery [8, 9], major trauma [10], and spinal cord state valued worse than death [1, 2]. A recent consensus injury [11]. Questions pertaining to sexual dysfunction conference concluded "future outcome evaluation of inten- often form part of a full quality-of-life assessment of sive care should incorporate quality of life measures" [3], survivors of intensive care [12]. In the 12 months follow-

Follow Up of MRSA Positive Patients

C Stonell, M Gager, C Waldmann.







REFERRALS

26 for 11 patients

ENT	10
PTSD	6
PAIN	2
OPHTHALM	2
UROLOGIST	1
OBSTETRICIAN	1
GENERAL SURGEON	1
MICROBIOLOGIST	1
DERMATOLOGIST	1
REHAB PHYSICIAN	1

ICU Joe :

Patient Information Booklet





INTENSIVE CARE UNIT ROYAL BERKSHIRE & BATTLE HOSPITAL NHS TRUST 1

y by ambulance. You had difficulty ls

Care Unit.

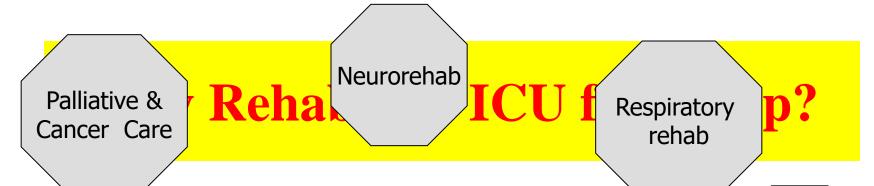
October 2001)

central line was inserted into the hree further lines allowing us to ould also connect it to the monitor cating whether you were ch fluid in your system).

rterial line; this allowed us to take tor to give a constant read-out of

electrodes to the monitor gave a n.

d on your finger, again connected saturation readings.



- Intensive aftercare
- O asures ide

 Stomatherapy % foun
 Nutrition nd 20%

disuess

sive Care Cardiac Rehab ificant mort Rx comorbidity health restrict aily rious disability and

• Doctors and Nurses need ICU follow u Social Services

• Patient Occ Health & U follow up GP?? hab





Robbie Williams Intensive Care



© 2005 The copyright in this sound recording is owned by Robert Williams/
The In Good Company Co Ltd under exclusive licence to Chrysalis Records Ltd.
© 2005 Robert Williams/The In Good Company Co Ltd under exclusive licence to Chrysalis Records Ltd
This label copy information is the subject of copyright protection. © 2005 Robert Williams/The In Good
Company Co Ltd under exclusive licence to Chrysalis Records Ltd. Made in EU.L.C 0524, 0946 34182.

www.robbiewilliams.con

CHRYSALIS (iii

John Oshi.

A RESERVED. UNAUTHORISES CONTING, HIR



Anaesthesia

Journal of the Association of Anaesthetists of Great Britain and Ireland

Volume 59, Number 11, November 2004

Contents

Editorial

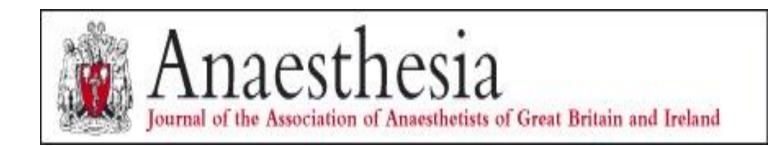
1049 Long-term outcomes in survivors from critical illness A. Wu and F. Gao

Original articles

- 1053 Effectiveness of bupropion as an aid to stopping smoking before elective surgery: a randomised controlled trial P. S. Myles, K. Leslie, M. Angliss, P. Mezzavia and L. Lee
- 1059 Manual versus target-controlled infusions of propofol D. S. Breslin, R. K. Mirakhur, J. E. Reid and A. Kyle

1064 A DIS --- I ad attacks of assertance assessments for adaptive

- 1104 Effect of xenon anaesthesia on accuracy of cardiac output measurement using partial CO₂ rebreathing B. Bein, P. Hanne, R. Hanss, J. Renner, B. Weber, M. Steinfath, J. Scholz and P. H. Tonner
- 1111 Changes of serum chloride and metabolic acid-base state in critical illness G.-C. Funk, D. Doberer, G. Heinze, C. Madl, U. Holzinger and B. Schneeweiss
- 1116 Ultrasound for central venous cannulation: economic evaluation of cost-effectiveness N. Calvert, D. Hind, R. McWilliams, A. Davidson, C. A. Beverley and S. M. Thomas



Griffiths J A, Barber V S, Cuthbertson B H, & Young J D

A national survey of intensive care follow-up clinics.

Anaesthesia 61; (10): 950-955.

Summary of findings

- Clinics are not widely established
- Marked heterogeneity in approach
- Majority see patients >3 days on ICU
- Only two thirds are currently funded
- Financial constraints main limiting factor
- Over half of the clinics do not have a prenegotiated access to another outpatient service

A Pragmatic Randomised, Controlled
Trial of an Intensive Care follow up
programme in improving Longer-term
outcomes from critical illness
(PRaCTICaL study)



Brian H Cuthbertson
Professor of Critical Care
Health Services Research Unit
University of Aberdeen



RESEARCH

The PRaCTICaL study of nurse led, intensive care follow-up programmes for improving long term outcomes from critical illness: a pragmatic randomised controlled trial

B H Cuthbertson, chief of critical care medicine and professor of anaesthesia, ¹ J Rattray, senior lecturer, ² M K Campbell, director and professor, ³ M Gager, intensive care follow-up nurse, ⁴ S Roughton, intensive care follow-up nurse, ^{3,5} A Smith, intensive care follow-up nurse, ² A Hull, consultant pyschiatrist, ⁶ S Breeman, trial manager, ³ J Norrie, professor of biomedical statistics, ⁷ D Jenkinson, statistician, ³ R Hernández, health psychologist, ^{3,8} M Johnston, professor of health psychology, ⁹ E Wilson, consultant in anaesthesia and intensive care, ¹⁰ C Waldmann, consultant in anaesthesia and intensive care ⁴ on behalf of the PRaCTICaL study group

Objectives To test the hypothesis that nurse led follow-up programmes are effective and cost effective in improving quality of life after discharge from intensive care.

Design A pragmatic, non-blinded, multicentre,

randomised controlled trial.

Setting Three UK hospitals (two teaching hospitals and one district general hospital).

Participants 286 patients aged ≥18 years were recruited after discharge from intensive care between September 2006 and October 2007.

Intervention Nurse led intensive care follow-up programmes versus standard care.

Main outcome measure(s) Health related quality of life (measured with the SF-36 questionnaire) at 12 months after randomisation. A cost effectiveness analysis was also performed.

Aim

to test the hypothesis that a nurseled intensive care follow programme is effective and costeffective at improving physical and psychological quality of life in the year after intensive care discharge

Design and Interventions

- A UK pragmatic, multi-centre, randomised controlled trial
- Eligible patients were randomised to one of two intervention groups after ICU discharge but prior to hospital discharge

Targeted patient number and duration

- Power calculation
- 270 patients (135 per group)
- 27 months total duration
- The Intervention:-
- 1. Case review
- 2. Discussion of ICU experiences and satisfaction with care
- 3. Formal assessment of requirement for specialist medical referral
- 4. Psychological screening for morbidity relating to ICU admission
- 5. Review of current drug therapy
- 6. ICU visit if appropriate
- 7. Physiotherapy or occupational therapy treatment if appropriate
- 8. Review letter to the GP on the patient's progress and plan

Cost-effectiveness

	Total Mean Cost	Cost diff	Total Mean QALYs	QALY diff	ICER
Standard					
care	£3,738		0.62		
Clinics	£5,859	£2,121	0.64	0.011	dominated

Conclusion

•In level 3 ICU patients, nurse led ICU follow up over the first year after ICU discharge is not efficacious or cost-effective

•Existing ICU follow up services that use a nurse-led system should review their practice

Cost of Rehabilitation

- The costs of in patient specialist neurorehabilitation in the private sector ~>£4,000 per week (up to £12,000 at places like the Wellington for pts with cuffed trache and PEG)
- In NHS should be the cost of an acute hospital bed with 2 - 3 hours of therapy on top
- OP Physio about £70/hr
- OT, S<, PHYSIOS, PSYCHOS, COUNSELLORS

THE LANCET

The Lancet, Early Online Publication, **14 May 2009** doi:10.1016/S0140-6736(09)60658-9

Cite or Link Using DOI

Early physical and occupational therapy in mechanically ventilated, critically ill patients: a randomised controlled trial

William D Schweickert MD a, Mark C Pohlman MD b, Anne S Pohlman MSN b, Celerina Nigos RN b, Amy J Pawlik PT c, Cheryl L Esbrook OTR/L c, Linda Spears T c, Megan Miller OTR/L c, Mietka Franczyk PT c, Deanna Deprizio OTR/L c, Prof Gregory A Schmidt MD d, Amy Bowman BSN d, Rhonda Barr PT e, Kathryn E McCallister BS b, Prof Jesse B Hall MD b, Dr John P Kress MD b

A strategy for whole-body rehabilitation—consisting of interruption of sedation physical and occupational therapy in the earliest days of critical illness—was safe and well tolerated, and resulted in better functional outcomes at hospital discharge, a shorter duration of delirium, and more ventilator-free days compared with standard care



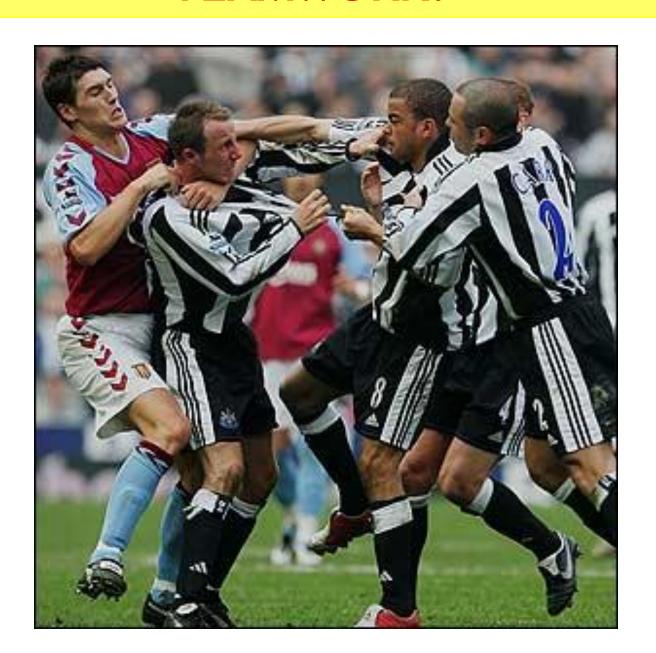
Critical illness rehabilitation

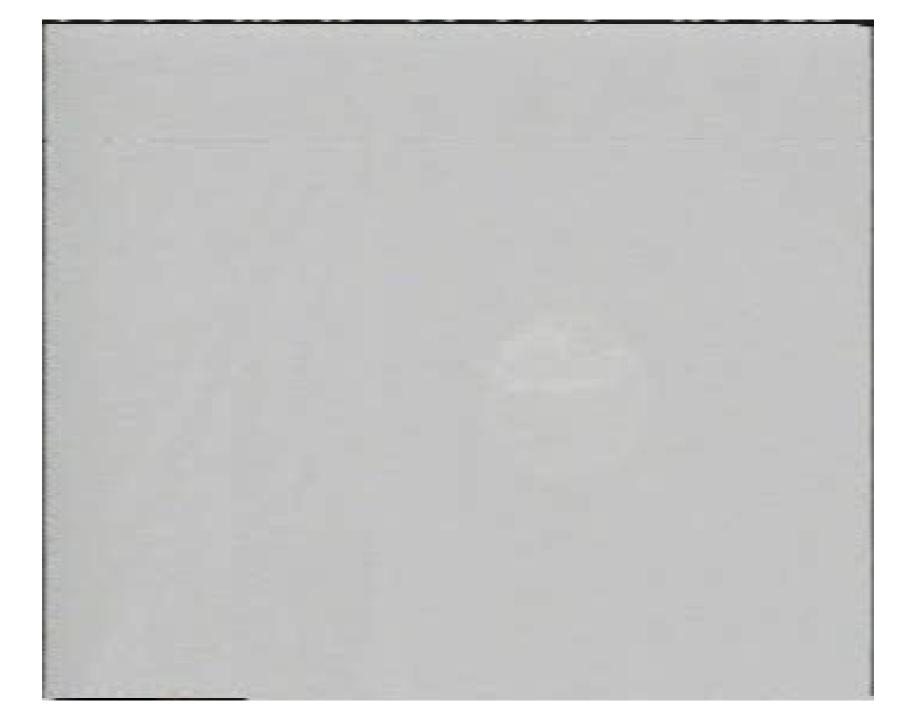
Implementing NICE guidance

2009



TEAMWORK?





Background

- Approximately 140,000 people are admitted into critical care units in England and Wales each year.
- Most patients surviving critical illness have significant physical and non-physical morbidity and undergo a lengthy convalescence.
- This morbidity is frequently unrecognised and, if identified, may not be appropriately assessed or managed.

Patients referred for rehabilitation





105000 survive

25000 stay > 35 days

50000 stay in hospital >17 days

Targetted at patients who have been in ICU For greater than 5 days

Scope

The recommendations are for adults with rehabilitation needs as a result of a period of critical illness that required level 2 and level 3 critical care.



Recommendations

The recommendations cover the following areas:

- 1. key principle of care
- 2. during the critical care stay
- 3. before discharge from critical care
- 4. during ward-based care
- 5. before discharge to home or community care
- 6. 2-3 months after discharge from critical care

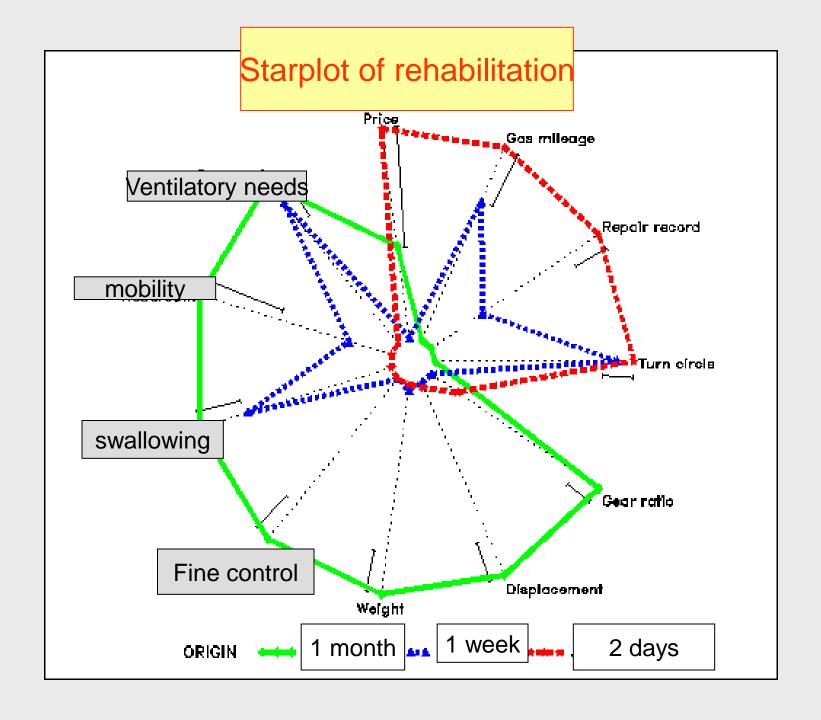
Critical Care Follow Up Assessment

Name: Co	nsultant:		War	d: 77 vol. Table 1
Hospital No: M /		Date of Birt	h: / /	
Critical Care Discharge Date	1 100	Assessmen Date& Time		
ICU History:			Intubat	10 miles (10 mil
PMHx:			ength of Intubati LOS:	on:
Α	RR-	b n	Nutrition	
^	HR-	bm	MUST:	0
Tracheostomy:	BP-		Mobility	Score:
	CRT-			
B)Sao2: Score: FiO2:	Temp-	° 🔼 :	Dalteparin □ Score:	TEDS□
	GCS-	/15	Psych	
0)	EWS-		A: Score:	D: Score
C)	Bloods		ер	
Fluid Balance:				Score:
		1	ines	
D)				
		ļ-	Microbiology	
Blood Sugar:				
Current issues:				
Plan:				
A				
Assessor				

Date / Time		 	
	•		•
Date / Time			
Date / Time			

CPEX post resp failure

	CASE 1 Wiel's	CASE 2 CaOesophagus	CASE 3 AI SVT Hypertension
APACHE II on admission	7	17	19
Time of CPET post-ICU (month)	3, 7,12	7, 17	5, 9, 22
Subjective perception of recovery (month post-ICU)	7	7	9
Best CPET result (month post-ICU)	12	17	22
Stabilisation of cardio- pulmonary response (plateau in CPET results)	Not achieved	7-17 months	9-22 months
Organ system limiting exercise tolerance	Psychogenic	Extrapulmonary: weight loss	Pulmonary: COPD* Cardiac: heart failure



Key principle of care

 Ensure continuity of care by coordinating the patient's rehabilitation care pathway



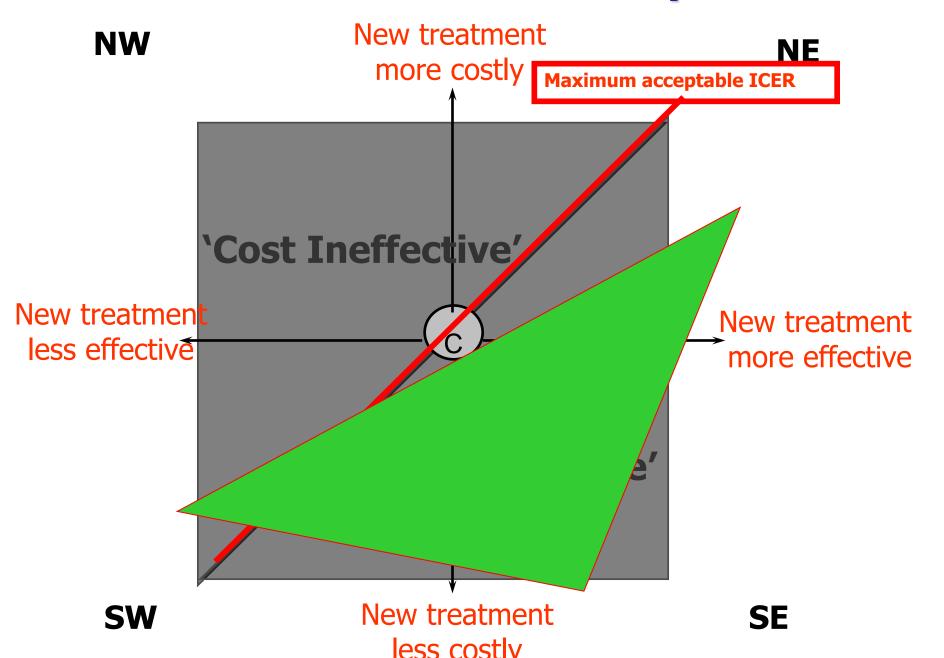
Costs per 100,000 population

Description	Costs (£000's per year)
Physiotherapists – critical care early intervention	9,869
Clinical Psychologists – hospital and follow up	
services	7,485
Physiotherapists – community follow up services	9,462
Other therapists, e.g., dietetics, speech and language	1,840
Estimated cost of implementation	28,656

Savings per 100,000 population

	Savings
Description	(£000's per year)
Annual avoidance of hospital re-admission	-£5,167
Decrease in GP visits	-£3,665
Reduced length of stay on general wards as a result of early mobilisation	-£1,820
Reduced length of critical care stay as a result of early mobilisation	-£18,992
Estimated saving of implementation	-£29,644
Net Savings	-988

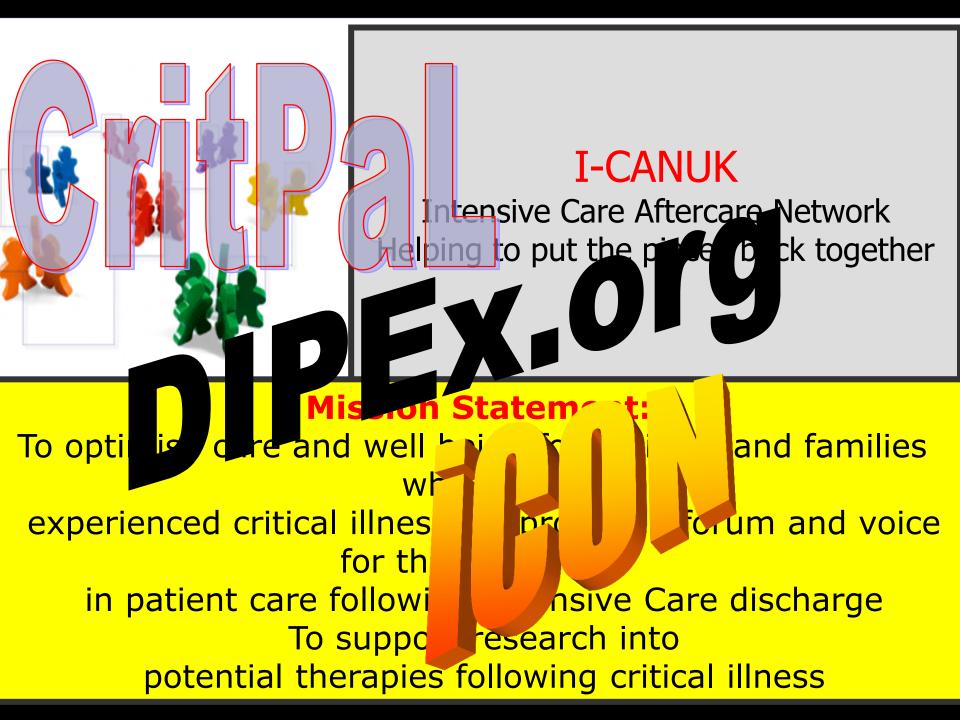
The cost-effectiveness plane

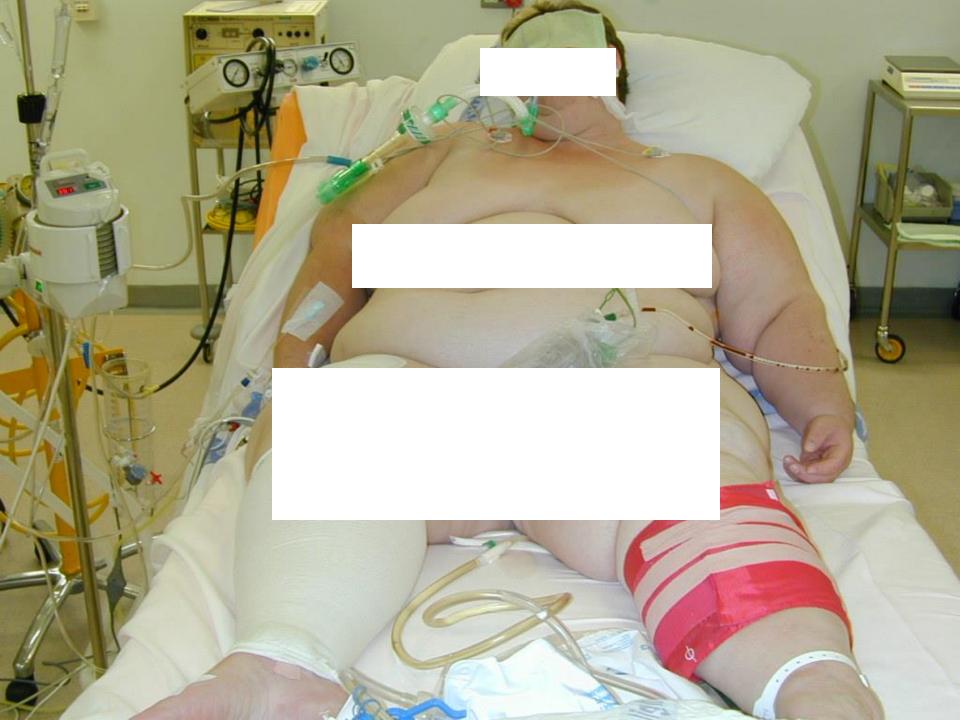


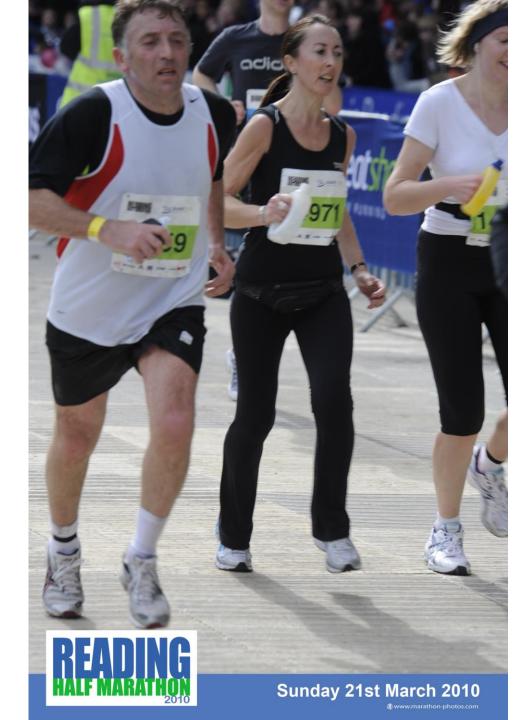
Discussion

- How do we currently coordinate the rehabilitation of patients after critical illness?
- How can we ensure adequate provision of a multidisciplinary team to deliver rehabilitation services?
- What is the current provision of community-based rehabilitation services and do we need to improve this?









How much cost is right?





Ariel Sharon: Still Alive Sharon Transferred to a Unit for the Loop Torn There Sharo	
By 6000M Niv DREIGOS WIDGO	⊕ re∞
28USASM, 54. 27. 358	coveredo
Show that drawy minimizes to a Testing Sept. Sept. Shows the good goldy page.	Sales Service
	The own where implied military leadorable and condewment patition enterection are whenever to the Subboard body fee-elect and mediumees in the disease steeped before outside Tell Anix. This produced tell in the effects hadgedy? stall for Research Cookies with the patition of the part of the patition of the patition with 1950 Research the patition with 1950 Research the conductors with 1950 Research the conductors. He is subther these patitions if the patitions of these.
Page 6	Co. con. 4, 30bs, the prime of class extense a manning strake. He has not been seen to

Low spend

