Dementia in crisis

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'The crisis in dementia'

- Growing numbers of people with dementia
- Anxiety about resources to provide support and care

Classification of crises

Perspectives of

- person with dementia
- informal caregivers
- care providers (health and social care staff)

A classification of causes of crises

- Behaviour
 - aggression
 - psychosis
 - distress
 - wandering/getting lost
 - self neglect/squalor
- Physical health
 - falls, fractures, accidents
 - acute illness
 - delirium
 - not eating or drinking
 - medication problems

- Carer
 - exhaustion or illness
 - death
 - abuse
 - conflict within family
- Care factors
 - e.g. failure of community care
- Social or legal
 - e.g. financial, driving

Outline

- Why do people with dementia come to hospital?
- Delirium
- Understanding distress
- Why family carers get so unhappy

Current orthodoxy?

Right place, wrong person

Dementia: definition

DFMFNTIA

- A. Multiple cognitive deficits
 - 1. Memory impairment
 - 2. One or more of:
 - (a) aphasia
 - (b) apraxia
 - (c) agnosia
 - (d) disturbance in executive functioning
- B. Impairment in social or occupational functioning, decline from a previous level of functioning.
- C. Gradual onset, progressive decline, at least 6 months.
- D. Not due to specified other conditions...
- E. ... or delirium.

Variations on a theme

- Alzheimer's disease
- Vascular dementia
- Lewy body dementia
- Fronto temporal dementia

Dementia in acute hospitals is different

- ½ to ¾ have added delirium
 - ... which is difficult to diagnose and manage
 - ... and slows things down
- Vascular dementia predominates
- Physically ill
- Dependent

Why does cognitive impairment matter?

- Common
- Non-specific presentation of illness
- Serious consequences
- Causes distress
- Influences decision making
- Its on the health policy agenda

Medical admissions over 70

- 9% delirium alone
- 19% delirium complicating dementia
- 23% dementia alone

•	Total delirium	28%
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• Total dementia 41%

Previously diagnosed dementia 28%

Poor outcomes six months later

- 27% did not return home
- 31% dead within 6 months
- 18% 30-day readmission, 42% 6-months readmission
- 42% recovered to pre-acute illness level of function
- 16% spent >170/180 days at home

Functional presentations

Presenting problems amongst patients over 70 with cognitive impairment admitted to a general hospital (n=53)

• Falls 34	(64%)
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- Immobility 38 (73%)
- Pain 28 (54%)
- Incontinence 24 (46%)
- Breathlessness 12 (23%)
- Dehydration 11 (21%)
- Confusion 11 (21%)

Variety of acute medical diagnoses

Final diagnoses amongst patients over 70 with cognitive impairment admitted to a general hospital (n=53)

MEDICAL

- pneumonia 4
- urinary tract infection 4
- multi-factorial fall 4
- multi-factorial functional problem 3
- AF with fast ventricular response 3
- dehydration/renal failure 3
- alcohol intoxication 2
- adverse drug reactions 2
- seizures 2 (alcohol excess, brain mets)
- unresponsive episode/syncope 2
- painful hip post fall 2
- unexplained delirium 2
- cancer 2 (gastric, lung)
- fractures 2

- infective exacerbation of COPD 1
- infected leg ulcer 1
- gastroenteritis 1
- stroke 1
- rheumatoid arthritis 1
- progression of vascular dementia 1
- acute urinary retention 1
- anxiety 1

ORTHOPAEDIC

- fractured neck of femur 7
- other fractures 4
- ruptured Achilles tendon 1

Very dependent

Prevalence amongst patients over 70 with cognitive impairment admitted to a general hospital, of at least moderate severity (n=195)

delusions	14%
 hallucinations 	11%
agitated	18%
depressed	34%
anxious	35%
apathetic	38%
 disinhibited 	10%
 sleep problems 	34%

- MMSE <9/30 25%
- Barthel <5/20 31%
- help to transfer 65% (hoist 13%)
- help feeding 58% (unable 15%)
- incontinent of urine 67%

Delirium

Full blown episodes are usually easy to diagnose; but it is not so easy to define neatly and comprehensively in a few words ...

Its prodrome, subclinical presentation, and potential persistence present unresolved dilemmas regarding the diagnostic boundaries of delirium

Meager and Trzepacz, Oxford Textbook of Psychiatry

Delirium

CORE

- 1. Inattention or arousal
- 2. Cognitive impairment
- 3. Abnormal sleep-wake cycle
- 4. Temporal course: abrupt change, fluctuates (hours)

ASSOCIATED

- 1. Psychosis in 50% (visual hallucinations, paranoid delusions)
- 2. Psychomotor (agitation, restlessness, retardation)
- 3. Altered or labile affect or emotion (fear, anger, depression)
- 4. Autonomic features

Confusion Assessment Method

The Confusion Assessment Method (CAM) Diagnostic Algorithm

Feature 1: Acute Onset or Fluctuating Course

This feature is usually obtained from a family member or nurse and is shown by positive responses to the following questions: Is there evidence of an acute change in mental status from the patient's baseline? Did the (abnormal) behavior fluctuate during the day, that is, tend to come and go, or increase and decrease in severity?

Feature 2: Inattention

This feature is shown by a positive response to the following question: Did the patient have difficulty focusing attention, for example, being easily distractible, or having difficulty keeping track of what was being said?

Feature 3: Disorganized thinking

This feature is shown by a positive response to the following question: Was the patient's thinking disorganized or incoherent, such as rambling or irrelevant conversation, unclear or illogical flow of ideas, or unpredictable switching from subject to subject?

Feature 4: Altered Level of consciousness

This feature is shown by any answer other than "alert" to the following question: Overall, how would you rate this patient's level of consciousness? (alert [normal]), vigilant [hyperalert], lethargic [drowsy, easily aroused], stupor [difficult to arouse], or coma [unarousable])

The diagnosis of delirium by CAM requires the presence of features 1 and 2 and either 3 or 4.

Diagnostic difficulties

- Variability, fluctuation
- Overlap with normality (cat naps, insomnia)
- Overlap with dementia, 6-10 x commoner in dementia
- Co-morbidity
- Recognising things you are not used to when you see them
- Cognition difficult to assess in an ill person

Diagnostic clues?

	'Vague' N=28	'Poor historian' N=76	'Poorly motivated' N=21
Cognitive impairment	57%	58%	38%
Depressed	11%	13%	67%
Either	61%	67%	86%

How to miss delirium

- Keep any talk with patients to a minimum
- Do not assess cognitive function
- Assume cognitive impairment is long-standing
- Never talk to nurses, especially night staff
- Don't talk to families either
- If patient is withdrawn, start an antidepressant
- If patient is noisy, start a benzodiazepine

Screening and assessment

- Short cognitive tests
- Single Question in Delirium: Do you feel that [the patient] has been more confused lately?
- Single Question in Dementia: has the patient been more forgetful in the past 12 months to the extent that it has significantly affected their daily life?

How to talk to family carers

- History is key informant
 - cognitive history
 - nature of problems
 - progression
 - functional ability
 - support
 - carers
- Explain what is going on
- Keep them updated
- Involve them in decision making and planning

Diagnosis: underlying cause

- <50% have single cause</p>
- 10-20% no discernible cause
- think in terms of vulnerabilities and precipitants

A useless differential diagnosis

TABLE 3. Putative causes of delicium Psychotropics (anxiolytics, sedative-hypnotics, barbiturates, antidepressants, antipsychotics, lithium) Anticonvulsants Analgesics Anticholinergics (antihi stamines, antispa smodics, antiparkinsonian agents) Antiamhythmics Antihypertensives Aminoglycoside antibiotics Miscellaneous (cimetidine, steroids, nonsteroidal anti-inflammatory drugs, salicylates) Drugs of abuse (phencyclidine and hallucinogenic agents) Poisons (heavy metals, organic solvents, methyl alcohol, ethylene glycol, insecticides, carbon monoxide) Withdrawal syndromes Alcohol Sedatives and hypnotics Cardiovascular Congestive heart failure Cardiac arrhythmia Myocardial infarction Neurologic Head trauma Space-occupying lesions: tumor, subdural hematoma, abscess, aneurysm Cerebrovascular diseases: thrombosis, embolism, arteritis, hemorrhage, hypertensive encephalopathy Degenerative disorders: Alzheimer disease, multiple scierosis Epllepsy Infection Intracranial: encephalitis and meningitis (viral, bacterial, fungal, protozoal) Systemic: Pneumonia, septicemia, subacute bacterial endocarditis, influenza, typhoid, typhus, infectious mononucleosis, infectious hepatitis, acute rheumatic fever, maiaria, mumps, diphtheria, AIDS Metabolic Hypoxla Hypogiycemia Acid-base imbalance; acidosis, alkalosis Electrolyte imbalance: elevated or decreased sodium, potassium, calcium, magnesium Water imbalance: inappropriate antidiuretic hormone, water intoxication, dehydration Failure of vital organs: liver, kidney, lung Inborn errors of metabolism: porphyria, Wilson disease, carcinoid syndrome Remote effects of carcinoma Vitamin deficiency: thiamine (Wemicke encephalopathy), nicotinic acid, folate, cyanocobalamin Thyroid: thyrotoxicosis, myxedema Parathyroid: hypo-and hyperparathyroidism Adrenal: Addison disease, Cushing syndrome Pancreas: hyperinsulinism, diabetes

Hematologic

Pemicious anemia

Pitultary hypofunction

A useful differential diagnosis

- meds
- meds
- meds
- brain disease
- infection
- hypoxia
- metabolic
- some combination
- something else

Geriatric Medicine

Geriatric Medicine is general medicine....

Geriatric Medicine

Geriatric Medicine is general medicine....

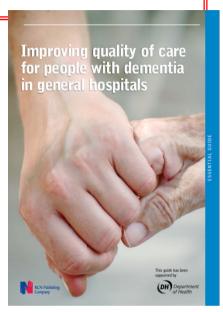
.... done obsessively

See behaviour as communicating need

- People with dementia are not by nature difficult, willful, attention seeking, aggressive
- But may
 - feel threatened, frustrated, anxious, lost, afraid
 - be overwhelmed by questions, noise or activity
 - try to communicate pain, discomfort, thirst, need for the toilet
 - be bored

Problems for people with dementia

- Noisy busy environments
- Fast pace of work
- Intensive questioning
- Multiple new faces
- Moving through different departments and wards
- Inability to express wishes
- Taking account of other patients' needs



See through the eyes of the person with dementia

- What might be threatening?
- What would make it feel more safe?
 - Comfort, identity, attachment, occupation, inclusion
 - Continuity: staff, ward moves
 - Familiarity, family
 - Orientation, signage, explanation
 - Relationships: biography, personality, interests

What is this?



Focus on communication

Introduce yourself
 Say what you are doing

Assess Understanding and expression

Simplify language
 Slow down, repeat, avoid questions (?)

Non-verbal Crouch down, touch, tone of voice

Facilitate
 Objects, pictures, demonstrations

Talk through procedures To alleviate fear

Interpret Emotions, meaning

• Don't contradict, confront, embarrass or humiliate

Adequate pain relief

- Pain may cause distress behaviour
- Person may not be able to communicate pain...
 - ... you have to look for it
- But remember opiates are toxic (especially codeine)
- And not all distress is caused by pain
 - constipation, bladder
 - hunger, thirst
 - psychosis, emotions
 - environment, temperature, noise, interference

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Ann Clwyd: my husband died like a battery hen in hospital

Labour MP tells of inhumane treatment and says she fears normalisation of cruelty now rife among NHS nurses

Amelia Hill

The Guardian, Tuesday 4 December 2012 21.03 GMT



Owen Roberts, husband of Ann Clwyd, was treated with 'coldness, resentment, indifference and even contempt' according to the Labour MP. Photograph: Ann Clwyd

Ann Clwyd has said her biggest regret is that she didn't "stand in the hospital corridor and scream" in protest at the "almost callous lack of care" with which nurses treated her husband as he lay dying in the University Hospital of Wales in Cardiff.

Clwyd, the Labour MP for Cynon Valley since 1984 and Tony Blair's former human rights envoy to Iraq, told the Guardian she fears a "normalisation of cruelty" is now rife

Dissatisfaction

- 77% of carers dissatisfied with quality of care
- Areas of dissatisfaction:
 - Recognising and understanding dementia
 - Inactivity
 - Social interaction
 - Involvement in decision-making
 - Dignity and respect

NIHR TEAM Trial: carer very or mostly satisfied

	MMHU (n=234)	Standard care (N=228)
Overall*	91%	83%
Admission arrangements	79%	77%
Car parking	27%	28%
Feeding and nutrition*	86%	77%
Medical management	79%	71%
Kept informed *	77%	64%
Dignity and respect*	94%	87%
Needs of confused patient**	84%	71%
Discharge arrangements*	78%	62%
Prepared for discharge*	79%	70%
Discharge about right time	73%	67%

^{*}p<0.05, **p<0.001

The cycle of discontent

Expectations,
Events,
Patient health and behaviours,
Treatment and the system.

Mistrust,
Anger, criticism,
Attempts at advocacy,
Complaints, removal of patient,
alternative care giving.

Suspicion
Fear of what's happening,
Helplessness,
Seeking information,
Bewilderment

 $Hyper-vigilant\,monitoring,$

Confirmation of concerns by asking other visitors, patients, using internet for quality of hospital, withdrawal.

The cycle of discontent



Make the most of family and friends' expertise

- Factual information
- Causes of distress and comfort
- Background, biography, routines
- For occupying, sitting, hands-on care
- Beliefs or values when assessing best interests
- Keep them informed and involved

Breaking the cycle of discontent

- Pre-empt the problem
- Make each hospital contact positive
- Proactively seek opportunities for communication
- View carer as a unit with the person with dementia
- Make systems and processes dementia friendly
- Including Emergency Department, medical admissions unit
- Look out for those with no carers

Dementia summary

- Dementia can be an unpleasant reality
- Good care helps, bad care makes things worse
- People with dementia are people
 - please treat them with respect, help them feel at ease
 - involve and explain, adapt communication
 - try not to humiliate, ignore, infantilise, overwhelm
- Recognise and beware delirium
- Engage and involve families
- Be a good physician

A Radical Suggestion

David Nicholson, chief executive of the NHS Commissioning Board, asserts that 'Hospitals are very bad places for old, frail people' and suggests alternatives must be found.

Here is a radical suggestion – make hospitals good places for older people....