Dementia Screening and specialised multi-disciplinary support (PECT)

Tuesday 24\textsuperscript{th} February 2015

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Dementia Screen and PECT

- Where we were in 2010?
- Why we needed to change?
- What did we do?
- What did we find?
- What next?
2010

- Patients with dementia and delirium in hospital tend to have poorer outcomes

- Increased length of stay, morbidity and death

- 1st National Audit of Dementia

- We did badly...only 28% patients tested for dementia and only 9% screened for delirium
Need for Change

- Shock (and embarrassment) at results...especially for care of the elderly physicians...and some denial?

- More elderly patients admitted to hospital

- Limited budget expansion (no more money in the pot)

- If only we can diagnose dementia and delirium we can treat patients better (and get better results!)
The Proactive Elderly Care Team

- Consultant
- Occupational Therapist
- Physiotherapist
- Patient
- Nurse
- Admin & Clinical support
- Family/Carers
The Proactive Elderly Care Team

Dementia CQUIN
- All 75yrs and above
- Dementia screening question
  - Cognitive assessment
  - Refer to specialist

Comprehensive Geriatric Assessment
- Apply frailty criteria
- Refer for
  - Full multi disciplinary assessment
- Consultation
## Set-Up Costs (6 months)

<table>
<thead>
<tr>
<th>Staff</th>
<th>Band</th>
<th>WTE</th>
<th>Cost (£)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OT</td>
<td>7</td>
<td>1</td>
<td>27100</td>
</tr>
<tr>
<td>OT</td>
<td>6</td>
<td>1</td>
<td>22600</td>
</tr>
<tr>
<td>PT</td>
<td>6</td>
<td>1.5</td>
<td>33900</td>
</tr>
<tr>
<td>Nurse specialist</td>
<td>6</td>
<td>1</td>
<td>22600</td>
</tr>
<tr>
<td>Admin support</td>
<td>2</td>
<td>1</td>
<td>9500</td>
</tr>
<tr>
<td>Consultant</td>
<td></td>
<td>0.5 (5PA’s per week)</td>
<td>25000</td>
</tr>
<tr>
<td>Totals</td>
<td></td>
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<td>140700</td>
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Screening

- Each morning we get a list of all new admissions

- Each new patient has a confusion assessment method (CAM)

- If ‘+’ then patient treated for delirium

- If ‘-’ then screening question asked: ‘have you been more forgetful in the last 12 months to the extent where it has significantly affected your life?’
Screening

- If screening question is ‘+’ we go on to perform a 6CIT

- Not perfect: patients may have delirium and dementia at the same time

- Patients may deny being forgetful (or forget)

- Patients screened for delirium not re-screened for dementia on recovery
<table>
<thead>
<tr>
<th>Eligible for Screening</th>
<th>11302</th>
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<tbody>
<tr>
<td>Number actually screened</td>
<td>10258 (95%)</td>
</tr>
<tr>
<td>Already known dementia</td>
<td>2198 (21%)</td>
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<tr>
<td>Delirium</td>
<td>1157 (11%)</td>
</tr>
<tr>
<td>New diagnosis of probable dementia</td>
<td>1404 (14%)</td>
</tr>
<tr>
<td>Total known or new (probable) dementia</td>
<td>3602 (35%)</td>
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<tr>
<td>Patients referred to specialist services</td>
<td>97%</td>
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Screening  Nov 2012 – Dec 2014
PECT – Improves patient outcomes

<table>
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<tr>
<th>Comprehensive geriatric assessments</th>
<th>2940</th>
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Average length of stay - Aged 75 and over

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<tbody>
<tr>
<td>Apr – Sept 2012</td>
<td>21.92 days</td>
</tr>
<tr>
<td>Nov 2012 – Dec 2014</td>
<td>15.16 days (31% reduction)</td>
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Re-admission rate - Aged 75 and over

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<td>Apr – Sept 2012</td>
<td>16.8%</td>
</tr>
<tr>
<td>Nov 2012 – end Jan 2014</td>
<td>8.10% (52% down)</td>
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<tr>
<td>Jan 2014 – Dec 2014</td>
<td>7.25% (57% down)</td>
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Number of admissions avoided altogether

| Number of admissions avoided altogether | 539 (1.8%) |
| Saving 539 x 15.2 days x £200         | £1.64 million |
Outcomes

- We have screened over 10,000 patients

- Over 1400 patients identified as likely having dementia with 97% referred on to memory services – they have had to increase their services too

- Almost 3000 patients have had a CGA – improving their access to appropriate therapists and practitioners in hospital
Outcomes

- PECT has massively reduced length of stay and readmission rate (saved about £5.5 million excluding CQUIN payment)

- We are sustainable – annual cost is about £0.3 million

- Our model is transferable – multiple local Trusts have visited our model
Outcomes

- We provide education to the wards and our colleagues and the future workforce

- We have engaged with patients and their families/carers (see feedback file)

- We have ambition for the future:
The Future

NECT

- Nursing Homes
- Dementia
- Advance Planning
- Public Awareness
- Rapid Access Clinic