Dementia

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Consultant in Older Persons Mental Health Services

Clinical Lead – Specialist Services

Barnsley

17/05/2017

Overview

Dementia Journey

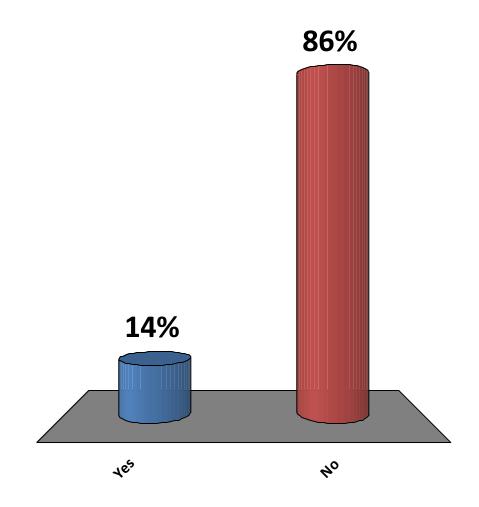
Mrs Mary Smith

- O Pointers for effective screening during referral
- O Dementia diagnosis in Primary Care
- O MASS (Memory Assessment and Support Services) New Service Spec
- O Shared Care
- O Cognitive enhancers Evidence base
- O Capacity assessment
- O BPSDs Antipsychotics in Dementia

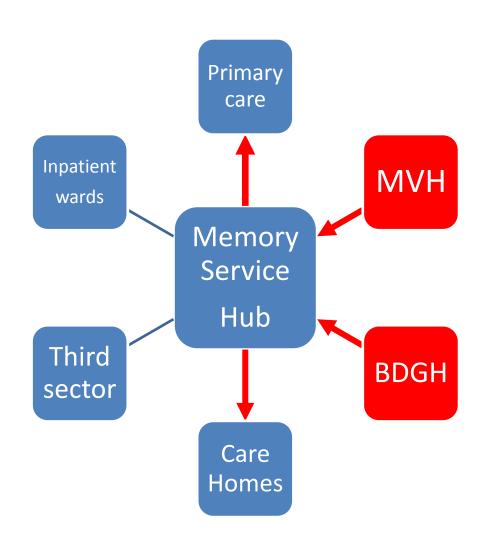
Are you aware of the new service specifications for Memory Assessment and Support Services (MASS)?

A. Yes

B. No

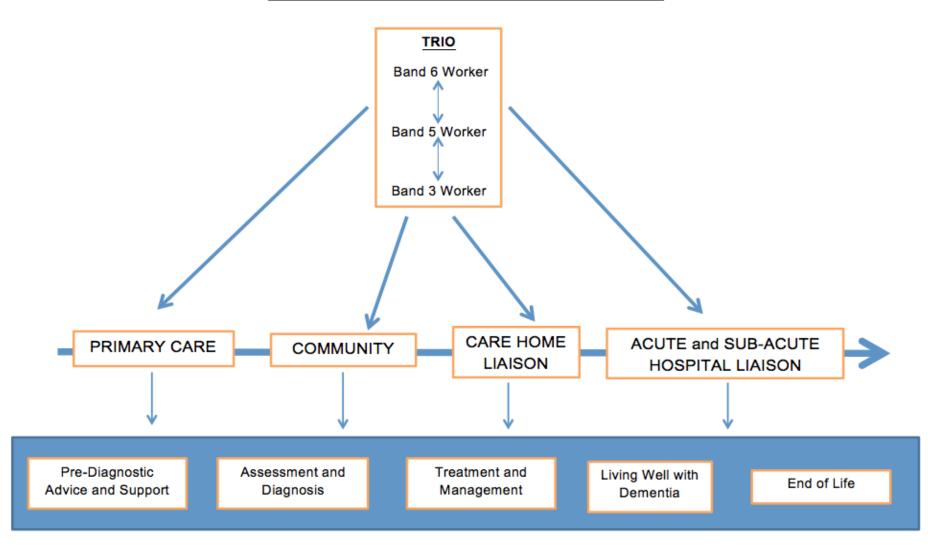


"Hub and Spoke" model



Trios/Dementia Advisor Function

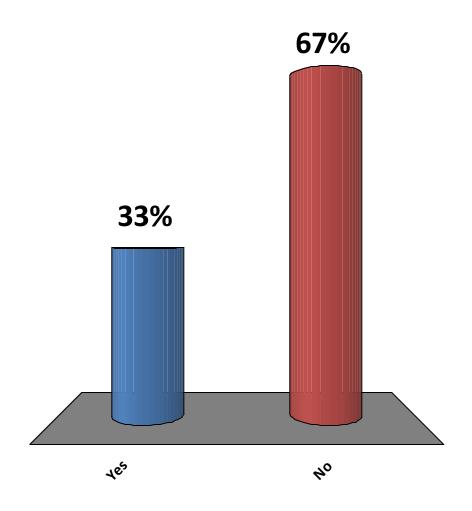
TRIO Pathway/Functions from Pre-diagnosis to End of Life



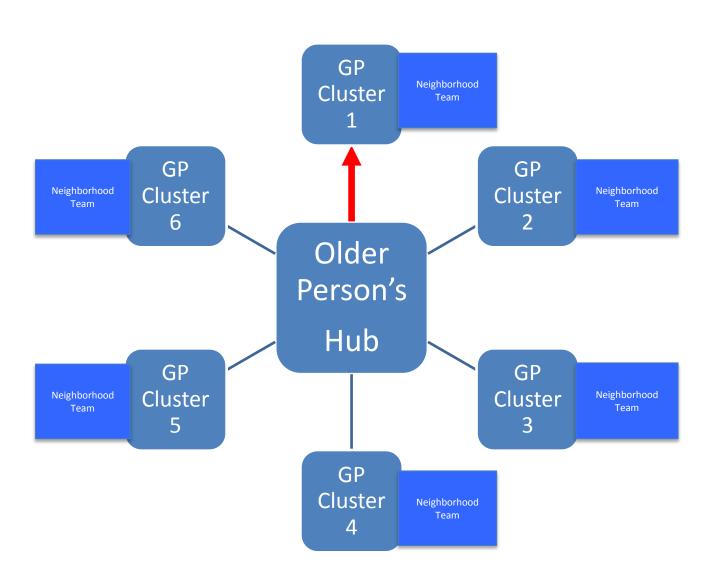
Do you know who your Dementia advisor/Trio is?

A. Yes

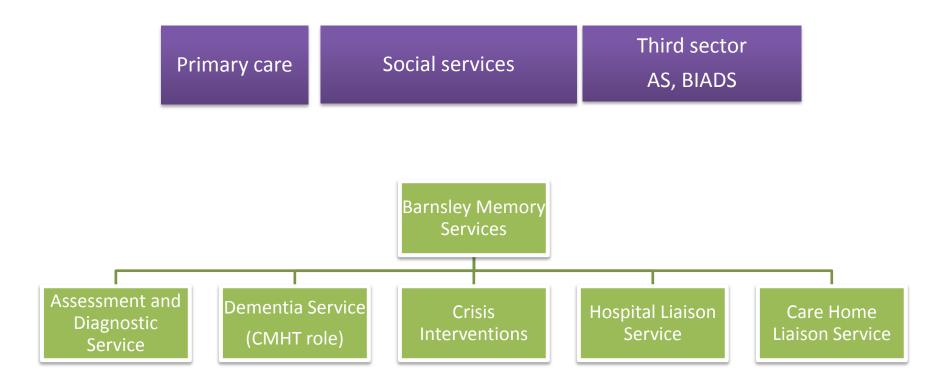
B. No



"Hub and Spoke" model Integration with Primary Care



Service offer



Dementia Pathway

Referral from

GP

District General Hospital

Other health care professionals

SPA/Sr Memory Nurse

Screening

Demographic details

Contact details for carers/relatives

Medical History

Psychiatric history

Any recent investigations

MPDF (Multi Professionals Diagnostic Forum)

Request further information

Advice to the referrer

Referral allocation

Helping patients live well with Dementia

Shared Care

Patients living in community

Patients living in 24 hour care

Diagnosis

Pre-diagnosis

Diagnostic feedback (with a consultant)

Post diagnostic

Assessment

Thorough history

Home visit

Cognitive assessment

Functional assessment

Carers' stress assessment

Falls/Depression screening/NPI

Complete Blood Profile

ECG

CT Head

HISTORY

Mrs Mary Smith's Journey - 1

- Mary, 72 yr, Caucasian, female, widow, living on her own - 6 month h/0 memory problems.
- Daughter more concerned about memory problems.
- Mary does not acknowledge she has any problems, attributes minor memory deficits to age
- h/o AF, HTN, depression, insomnia, over active bladder
- Aspirin, Oxybutynin, Sertraline, Amitryptiline

History

- Different perspectives client, carer, relative
- Onset, duration, progression
 - Sudden onset Not always secondary to vascular cause
 - Degenerative dementias often present "suddenly" in new environments
 - DLB Marked fluctuations
 - Several year history "worried well"
 - Very clear short History treatable dementia
- Staging
 - When did he/she stop going out, shopping himself
 - When did he/she stop performing house hold duties
 - Dementia "Spouses gradually take over"

Four tasks during history

Task 1	Does the patient have an organic cognitive problem?
Task 2	Is the disease process static, progressive, vascular, degenerative etc?
Task 3	Which cognitive domains are involved?
Task 4	Is the patient depressed and is there any thing else in the history?

Four tasks during history

Task 1	Does the patient have an organic cognitive problem?
Task 2	Is the disease process static, progressive, vascular, degenerative etc?
Task 3	Which cognitive domains are involved?
Task 4	Is the patient depressed and is there any thing else in the history?

Effective referral – Maximising info

- Implicit sources of information
 - Is the gait abnormal?
 - Gait Apraxic gait Vascular cause, NPH
 - Is there any sensory impairment?
 - Deafness, L/O vision
 - How easily does the patient find the seat?
 - "bum" apraxia!!
 - Who plays the primary role during the consultation?
 - Classical "head turning sign"
 - What is the quality of interaction in the consultation?
 - Disinterested in conversation, speech,

Task 1 − Is there an organic problem?



Task 1 – Is there an organic problem?



Anecdotes of the patient lapses

- Direct questions
 - Worst thing that has happened because your memory has let you down?
 - How has life changed?

Task 1 − Is there an organic problem?

Complaints that are poor discriminators of an organic problem
Going shopping and forgetting items
Losing watch, glasses
Going in to a room and forgetting why
Forgetting appointments
Not passing on messages
Losing the car in the multi-storey car park
Having to be told more than once

Task 1 – Is there an organic problem?

Complaints that are good discriminators

Asks the same question repeatedly

Participates in a conversation and then forgets it has ever occurred

Takes the spouse shopping comes back alone

Goes to town by car and comes back by bus

Gets lost every time/most of the time he is in unfamiliar place

We wanted to have fish for dinner. She just said "what is fish?"

"She has always done the Christmas cards before but this year was chaos"

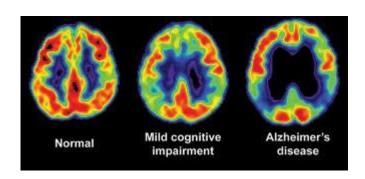
"She can't find a pencil when it is right in front of her and complains her eyes aren't working. But the optician could not help"

Task 1 – Is there an organic problem?

Pointers to organic disease

Pointer 1	Partner/relative/carer is more concerned than the patient
Pointer 2	Partner/relative/carer takes the lead in arranging the referral and dominates the interview
Pointer 3	Loss of functioning – no longer able to shop, budget, perform household duties
Pointer 4	Episodes of marked disorientation in new environments

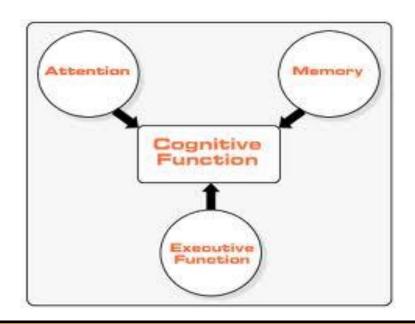
Task 2 – Nature of Dementia



Age as a discriminator

Patients under 40 years	 Sporadic degenerative dementias are extremely rare Usually have a psychiatric disease Usually worried well Rarely will have neurological problems/MS or very rare metabolic disease
Patients 40 – 55 years	 Age of the worried well Some degenerative disease – FTD possible Secondary dementias can occur
Patients 55 – 65 years	 Organic disease becomes commoner Typical age for FTD Familial AD
Patients over 65	Most will have organic disease

Task 3 – Which cognitive domains are involved?



Leave this job for us!!!

Task 4 – Is the patient depressed and is there any thing else?



Depression and other causes

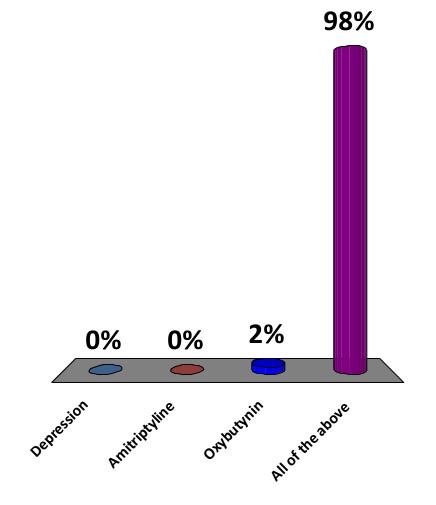
Depression	 Most important to establish Treatable Dementia and depression often coexist
Medical history	Vascular risk factorsHead injurySeizures
Drug history	 Anticonvulsants Lithium Any centrally acting drug
Family History	Huntington's , Early onset Alzheimer's, FTD
Social History	• Alcohol

Mrs Mary Smith's Journey - 1

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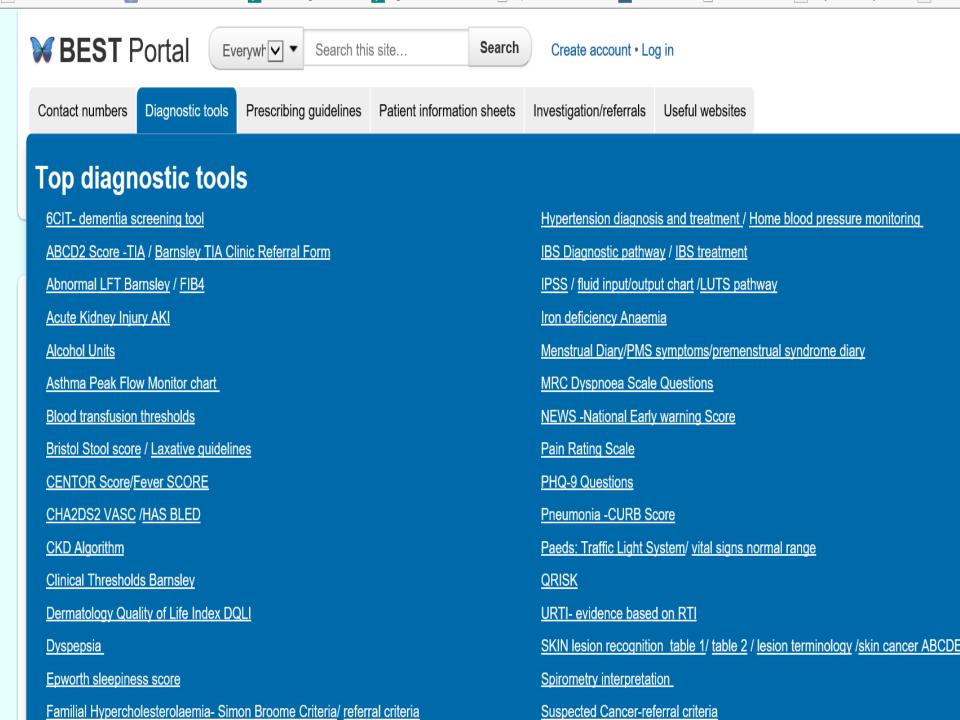
Which of these could potentially have an impact on Mary's memory problems?

- A. Depression
- B. Amitriptyline
- C. Oxybutynin
- D. All of the above



Cognitive Screening Tools

- 6 CIT (6 item Cognitive Impairment Test)
- AMT (Abbreviated Mental Test)
- GPCOG Screening test
- CLOX 1 & 2 (Executive Clock Drawing Test)
- MINICOG
- CAM (Confusion Assessment Method)
- IQCODE



Confusion Assessment Method

The Confusion Assessment Method (CAM) Diagnostic Algorithm

Consider the diagnosis of delirium if 1 and 2, AND either 3a or 3b are positive:

1. Acute Onset and Fluctuating Course

Is there evidence of an acute change in mental status from the patient's baseline?

Did the (abnormal) behavior fluctuate during the day (tend to come and go, or increase and decrease in severity)?

2. Inattention

Did the patient have difficulty focusing attention (e.g. being easily distractible) or have difficulty keeping track of what was being said?

3a. Disorganized Thinking

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?

3b. Altered Level of Consciousness

Overall, how would you rate this patient's level of consciousness? (alert [normal], vigilant [hyper-alert], lethargic [drowsy, easily aroused], stupor [difficult to arouse], or coma [un-arousable]). Positive for any answer other than "alert".

Sensitivity: 94%-100%; Specificity: 90%-95%

Ref: Inouye, SK et al Annals Int Med 1990;113:941-48

©Oregon SGIM-Hartford Collaborative Team

IQCODE

		1	2	3	4	5
1	Remembering things about family and friends, eg occupations, birthdays, addresses	Much	A bit	Not much	A bit	Much
		improved	improved	change	worse	worse
2	Remembering things that have happened recently	Much	A bit	Not much	A bit	Much
		improved	improved	change	worse	worse
3	Recalling conversations a few days later	Much	A bit	Not much	A bit	Much
		improved	improved	change	worse	worse
4	Remembering her/his address and telephone number	Much	A bit	Not much	A bit	Much
		improved	improved	change	worse	worse
5	Remembering what day and month it is	Much	A bit	Not much	A bit	Much
		improved	improved	change	worse	worse
6	Remembering where things are usually kept	Much	A bit	Not much	A bit	Much
		improved	improved	change	worse	worse
7	Remembering where to find things which have been put in a different place from usual	Much	A bit	Not much	A bit	Much
		improved	improved	change	worse	worse
8	Knowing how to work familiar machines around the house	Much	A bit	Not much	A bit	Much
		improved	improved	change	worse	worse
9	Learning to use a new gadget or machine around the house	Much	A bit	Not much	A bit	Much
		improved	improved	change	worse	worse
10	Learning new things in general	Much	A bit	Not much	A bit	Much
		improved	improved	change	worse	worse
11	Following a story in a book or on TV	Much	A bit	Not much	A bit	Much
		improved	improved	change	worse	worse
12	Making decisions on everyday matters	Much	A bit	Not much	A bit	Much
		improved	improved	change	worse	worse
13	Handling money for shopping	Much	A bit	Not much	A bit	Much
		improved	improved	change	worse	worse
14	Handling financial matters, eg the pension, dealing with the bank	Much	A bit	Not much	A bit	Much
		improved	improved	change	worse	worse
15	Handling other everyday arithmetic problems, eg knowing how much food to buy,	Much	A bit	Not much	A bit	Much
	knowing how long between visits from family or friends	improved	improved	change	worse	worse
16	Using his/her intelligence to understand what's going on and to reason things through	Much	A bit	Not much	A bit	Much
		improved	improved	change	worse	worse

Referral

Please, please include...



- Contact details for the relative/carer
- Whether referral has been discussed with the patient
- Brief history
- Medical history
- Any on going specialist reviews
- Current medications
- Allergies
- Any recent investigations, results
- Any thoughts on possible causes of cognitive impairment

Referral Form on BEST website/Emis /System 1

Styles

Barnsley Dementia Service

Barnsley Dementia Service provides a single point of access for all patients with suspected dementia.

All referrals should be sent to

Dementia Services, Oaks Building, Kendray Hospital, Doncaster Road, Barnsley. S70 3RD.

Tel: 01226 644250 Fax: 01226 241063

PATIENT DETAILS	GP DETAILS
Name: MOUSE, Mickey (Mr)	Name:
Address: 1 Disney Land Street, Barnsley Postcode:	Practice Address: Woodland Drive Medical Centre, Woodland Drive, Barnsley, South Yorkshire, S70 6QW Postcode: S70 6QW Practice Code: C85006
Home Tel:	Telephone: 01226 282535
Mobile Tel:	Fax: 01226 241448
D.O.B: 29-May-1989	Registered Practice (if different):
NHS Number:	
Gender: Male	

HISTORY AND EXAMINATION

Paragraph

Last Consult re: memory problem

Consultations

Date	Consultation Text	I	
15-May-2017	GP Surgery (Woodland Drive Medical Centre) CARTER, Coleen (Mrs)	Τ	
Problem	Memory loss symptom (First)	Ι	
History	forgetfullness - always	Ť	
	inappropraite clothing	Τ	
	lives alone	Т	

<u> Last Consult re: memory</u>	problem	
Consultations		
Date	Consultation Text	
15-May-2017	GP Surgery (Woodland Drive Medical Centre) CARTER, Coleen (Mrs)	
Problem	Memory loss symptom (First)	\coprod
History	forgetfullness - always	\sqcup
	inappropraite clothing lives alone	++
	family concerned	++
0	refer memory service	\mp
<12 months	concern? >12 months	++
How long has there been ☐ <12 months ☐ f < 12months then how le	concern? >12 months	-
How long has there been <12 months	concern? >12 months ong?	-
How long has there been <12 months f < 12months then how lo	concern? >12 months	+-
How long has there been <12 months f < 12months then how le Progression? Gradual	concern? >12 months ong?	
How long has there been ☐ <12 months ☐ f < 12months then how le	concern? >12 months ong?	
How long has there been <12 months	concern? >12 months ong?	
How long has there been <12 months f < 12months then how le Progression? Gradual History of depression? Yes No	concern? >12 months ong?	































	No			
hiatric his	tory			
s [No			
then deta	ail:			
nol/substa	nce misuse (present/past)?			
s [No			
ent Alcoho	ol consumption			
	Description		Value	Units
an-2014	Alcohol consumption		0	U/week
psy?				
es?				
	No			
	¬ NI-			
S L	NO			
Significan	nt Medical Hx			
<u>e</u>	Problem	Associate	d Toyt	Date End
lay-2017	Memory loss symptom	Associate	u lext	Date En
	LIMELLIOLA 1022 ZALLIDIOLLI			
lay-2017	Irritable bowel syndrome			
lay-2017 lar-2017	Irritable bowel syndrome Adverse reaction to trimethoprim			
lay-2017	Irritable bowel syndrome			
	hiatric his s	hiatric history s	hiatric history s	hiatric history then detail: nol/substance misuse (present/past)? No

No No No State Sta































□ Paragraph □ Styles

Past Significant Medical Hx

Problems

Active

710070			
Date	Problem	Associated Text	Date Ended
15-May-2017	Memory loss symptom		
08-May-2017	Irritable bowel syndrome		
10-Mar-2017	Adverse reaction to trimethoprim		
11-Jun-2015	Prescription of palliative care anticipatory		
	medication		
02-Jan-2014	Asthma		

Significant Past

Date	Problem	Associated Text	Date Ended

Family History

Is there a family history of dementia?

☐ Yes ☐ No

If Yes detail:

Current medications & allergies

Acute Medication

Acute

Acute			
Drug	Dosage	Quantity	Last Issued On
Influenza vaccine (split virion, inactivated) suspension	For Intramuscular	1 pre-filled disposable	
for injection 0.5ml pre-filled syringes	Injection	injection	
Influenza vaccine (split virion, inactivated) suspension	For Intramuscular	1 pre-filled disposable	
for injection 0.5ml pre-filled syringes	Injection	injection	
Influenza vaccine (split virion, inactivated) suspension	For Intramuscular	1 pre-filled disposable	
for injection 0.5ml pre-filled syringes	Injection	injection	































Physical Examination

ΒP

10-Feb-2014:70 mmHg

вмі

08-Jan-2014 : 25.7 kg/m2

Height

08-Jan-2014 : 165 cm

Weight

08-Jan-2014: 70 kg

Dementia screening test Results

6 CIT (see BEST website)

No events found.

Blood results

FBC,

ESR,

B12

Folate,

TFT's,

U&E,

Ca2+

LFT's

glucose

HbA1C

Name: Date of birth:

Barnsley Dementia Services Referral Form – August 2013

lipid profile/cholesterol
Additional information about family members/friends contact details (i.e. further information from family member / friend / carer / practice staff, vulnerability, any other stresses) information on Patient Alerts in notes
Are there any concerns/risks to health, safety, welfare, vulnerability of the patient?
Does the patient consent to the referral?
☐ Yes ☐ No

Dementia Pathway

Referral from

GP

District General Hospital

Other health care professionals

SPA/Sr Memory Nurse

Screening

Demographic details

Contact details for carers/relatives

Medical History

Psychiatric history

Any recent investigations

MPDF (Multi Professionals Diagnostic Forum)

Request further information

Advice to the referrer

Referral allocation

Helping patients live well with Dementia

Shared Care

Patients living in community

Patients living in 24 hour care

Diagnosis

Pre-diagnosis

Diagnostic feedback (with a consultant)

Post diagnostic

Assessment

Thorough history

Home visit

Cognitive assessment

Functional assessment

Carers' stress assessment

Falls/Depression screening/NPI

Complete Blood Profile

ECG

CT Head

What do we share with you?

- Any significant risks/concerns by the family
- Diagnosis/Formulation
- Management plan:
 - Cognitive enhancers
 - Support systems
 - Psycho-education
 - Post diagnostic
- Cognitive enhancers
 - Titration
 - Stabilisation

Shared Care

What do we share with you?

Diagnosis / Formulation	
ICD Code	
GP Read Code	
Medications	
Allergy Status	

What do we share with you?

SNo	Test / In	nvestigation	Results	6	Date
1	ACE/R	ATOMIN MANAGEMENT STANDARD	Total Score	/100	
20	(Cut-off < 82 gives 84% sens	itivity and 100% specificity)	Attention & Orientation	/18	
			Memory	/26	
			Fluency	/14	
			Language	/26	
			Xisuospatial.	/16	
	MMSE		/30	e	
2	CT Scan			62	
3	Blood Parameters	Heamatology		38	
		Biochemistry	- 0		
		B12, Folate		120	
4	ECG	ė:		*2).	
5	BADL's (Activities o	f Daily Living Score)		6	
6	Relative Stress Scale		9		

Diagnosis in Primary Care by GPs

Nice Guidance

- Treatment should be under the following conditions:
- Prescribers should only start treatment with donepezil, galantamine, rivastigmine or memantine on the advice of a clinician who has the necessary knowledge and skills. This could include:
- secondary care medical specialists such as psychiatrists, geriatricians and neurologists
- other healthcare professionals such as GPs, nurse consultants and advanced nurse practitioners with specialist expertise in diagnosing and treating

DiADeM Tool

Diagnosing Advanced Dementia Mandate (for care home setting)



A diagnosis of dementia is usually made within memory services. Some care home residents with advanced dementia have never had a formal diagnosis. In these cases a referral to memory services is rarely desirable. It is likely to be distressing for the individual and is usually unnecessary¹.

People with advanced dementia, their families and staff caring for them, still benefit from a formal diagnosis. It enables

	pendent in relation to basic activities of daily living, washi needs. The requirement of prompting or supervision of st		
Cognitive impairment – 6 CIT as	sessment		
Question	Scoring	Score achieved	
1.What year is it?	Correct – 0 points, incorrect – 4 points	Cook doine ved	
2.What month is it?	Correct = 0 points: Incorrect = 3 points		
	th 5 components e.g. John, Smith, 42, High St, Wakefield		
4.About what time is it (within 1 hour)	Correct - 0 points; Incorrect - 3 points		
5.Count backwards from 20-1	No errors – 0 points; 1 error – 2 points; more than 1 error – 4 points		
6.Say the months of the year in reverse	No errors – 0 points; 1 error – 2 points; more than 1 error – 4 points		
7.Repeat address phase	No errors – 0 points; score 2 points for every component wrong e.g. 3 errors, 6 points		
TOTAL SCORE:			
NB. Scores obtained in this patient group patients their cognitive impairment will be Corroborating History History of gradual cognitive declin	d above indicate impairment. The used. If used does score indicate impairment Y/N To would be expected to be at the severe end of scale and the of such severity that they cannot undertake the assessible (typically for the last few years) is confirmed by care startiffirm that in their opinion the patient consistently demonst	for some ment. ff, relatives and	Y / N
lacks capacity to consent to blood If intracranial pathology (e.g. subd	normal (where clinically appropriate and patient consents is, a best interest decision must be made and documented lural haematoma, cerebral tumour) is suspected, referral from the is advanced, differential diagnosis is unlikely to affe	accordingly. NB. or a brain scan may be	



There is no acute underlying cause to explain confusion i.e. delirium (acute confusional state) has been excluded. Mood disorder or psychosis is also excluded.

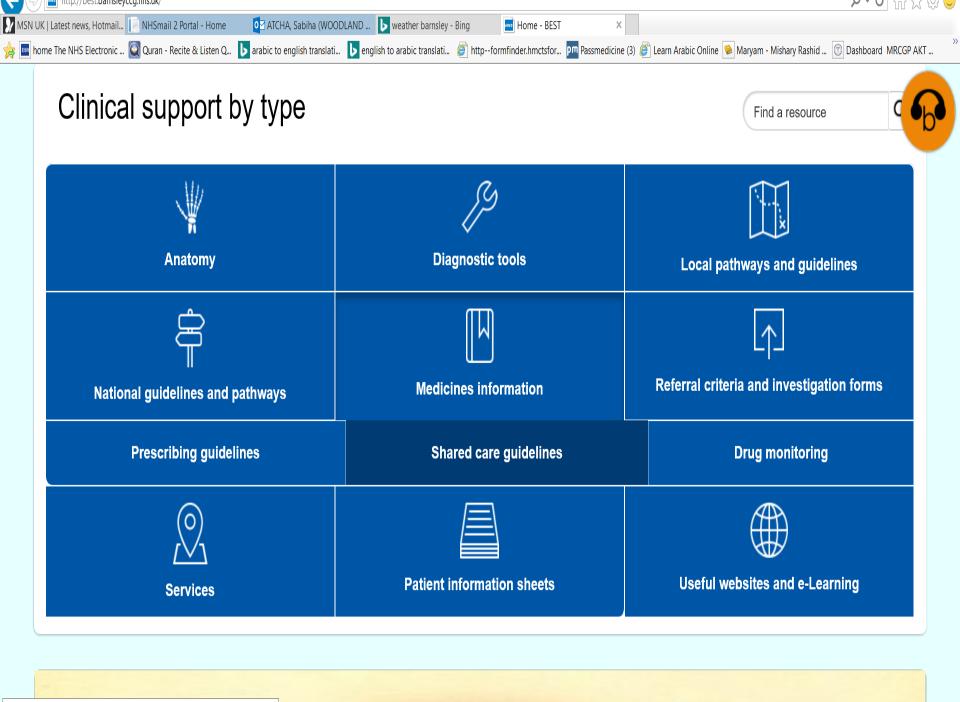


Mary has been diagnosed with Alzheimer's dementia and has been titrated on to Donepezil 10 mg a day.

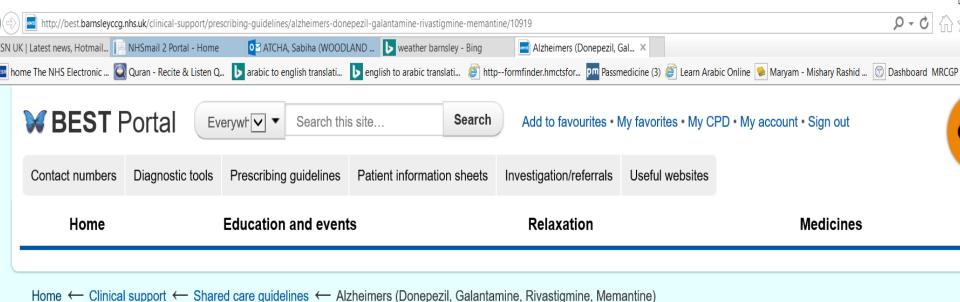
She has been stable on this medication for 3 months and a shared care has now been requested.

When to request a shared care?

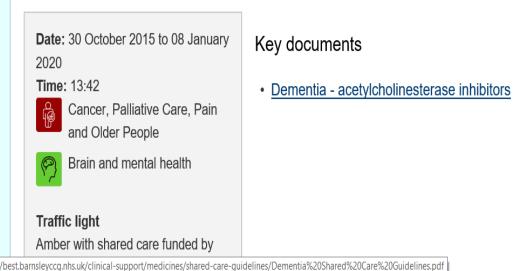
- The patients meets the clinical criteria within NICE guidance (TA217) for the use of acetylcholinesterase inhibitors and Memantine
- Medication has been shown to be beneficial
- Patient's dosage has been stabilised.
- Patient's condition is amenable to a shared care arrangement.
- Suitable arrangements have been made for shared care
- GP has agreed to accept the prescribing and management responsibility



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☐ Dermatology (2)	Abasagiar	電
☐ Diabetes (5)		6
☐ Endocrine (7)		
☐ Gastroenterology (5)	Acamprosate	
☐ General (1)		(Y , J
☐ Haematology (1)		
☐ Hepatology (3)		
☐ Lipids (1)	ADHD (Methylphenidate, Dexamfetamine, Atomoxetine and Lisdexamphetamine)	8 9
☐ Men's health (3)		
☐ Mental health (13)		
☐ MSK (musculoskeletal) (5)		
☐ Neurology (10)	Alzheimers (Donepezil, Galantamine, Rivastigmine, Memantine)	
☐ Paediatrics (2)		
☐ Pain management (1)		
☐ Palliative care (1)		
☐ Renal (1)	Amiodarone	©
☐ Respiratory (1)		
☐ Rheumatology (4)		
☐ Substance misuse (4)	Amisulpride	
Conditions and indicators	Annouiphuo	Ψ,)
☐ Autoimmune henatitis (1)		



Alzheimers (Donepezil, Galantamine, Rivastigmine, Memantine) shared care guideline









Barnsley Clinical Commissioning Group

<u>Donepezil, Galantamine, Rivastigmine and Memantine</u> Shared Care Guideline for Dementia

Introduction

Indication/Licensing information (NICE Guidance TAG 217¹)

The three acetylcholinesterase (AChE) inhibitors **donepezil**, **galantamine and rivastigmine** are recommended as options for managing mild to moderate Alzheimer's disease. **Rivastigmine** is also licensed for Lewy Body and Parkinson's Dementia

Memantine is recommended as an option for managing Alzheimer's disease for people with:

- Moderate Alzheimer's disease who are intolerant of or have a contraindication to AChE inhibitors
- Severe Alzheimer's disease.

Treatment should be under the following conditions:

Only an addition in the case of matients with demonstra (that is may abid what including these are addition in

Anti Dementia Medication

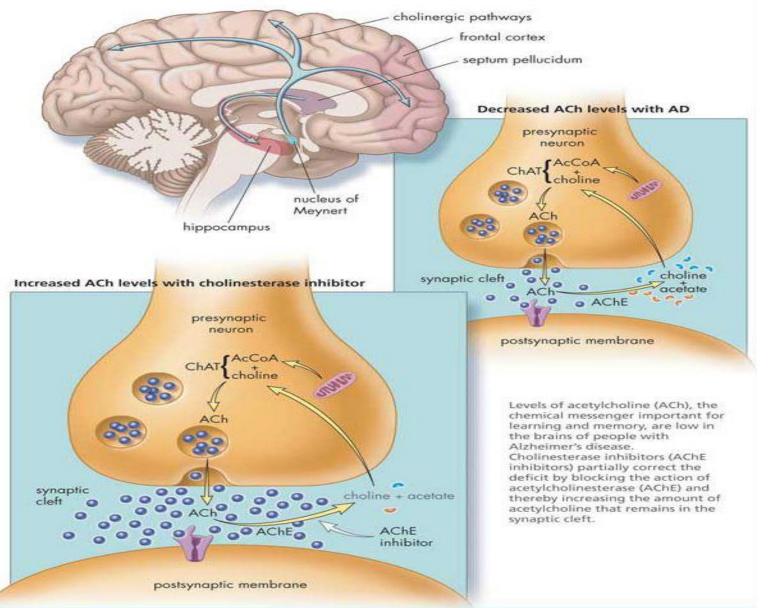


What drugs?

Table 1 Licensed indications for cholinesterase inhibitors and memantine in the UK

	Donepezil	Rivastigmine	Galantamine	Memantine
Mild Alzheimer's disease	Yes	Yes	Yes	No
Moderate Alzheimer's	Yes	Yes	Yes	Yes
disease				
Severe Alzheimer's				
disease:				
UK	No	No	No	Yes
(US)	(Yes)	(No)	(No)	(Yes)
Mild to moderate	No	Yes	No	No
Parkinson's disease				
dementia				
Vascular dementia	No	No	No	No
Mild cognitive	No	No	No	No
impairment				
Dementia with Lewy	No	Yes	No	No
bodies				
Frontotemporal	No	No	No	No
dementia				

AChl – How do they work?



Memantine – How does it work?

Medscape®

www.medscape.com

Memantine Selectively Blocks Pathological Activation of NMDA Receptors

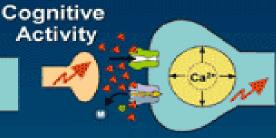
Pathological Activation of NMDA Receptors Neuroprotection by Memantine Memantine Does Not Impair Neurotransmission or Plastic Processes













- Glutamate
- Magnesium
- Memantine

Adapted from Parsons CG et al. Neuropharmacology, 1999; 38:735.

What evidence?

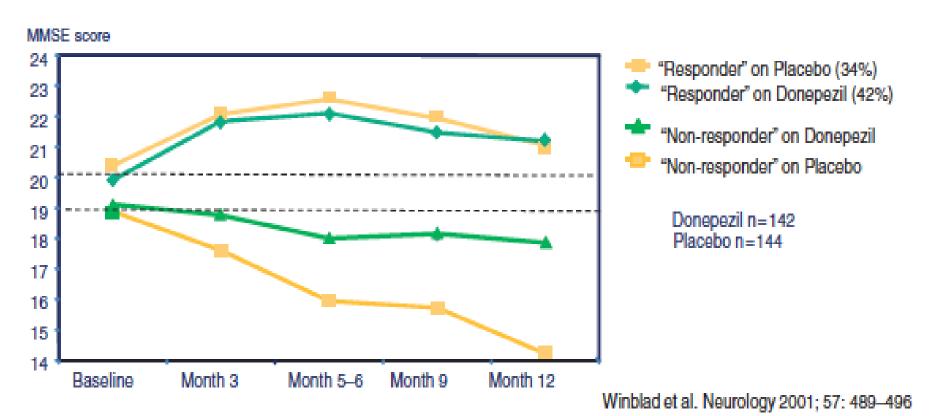
Mild to Moderate Alzheimer's Dementia

Galantamine vs Placebo 10 trials, statistically significant benefit, increased with time from 6 to 26 weeks (ADAS Cog)
increased with time from 6 to 26 weeks
1 study - Significant benefit in NPI scores (Industry sponsored)

Longer term drug effect

Predicting responders: using the responder analysis from 1st NICE guidance

Responders and non-responders in a 1-year trial of donepezil versus placebo



Measuring clinical worsening

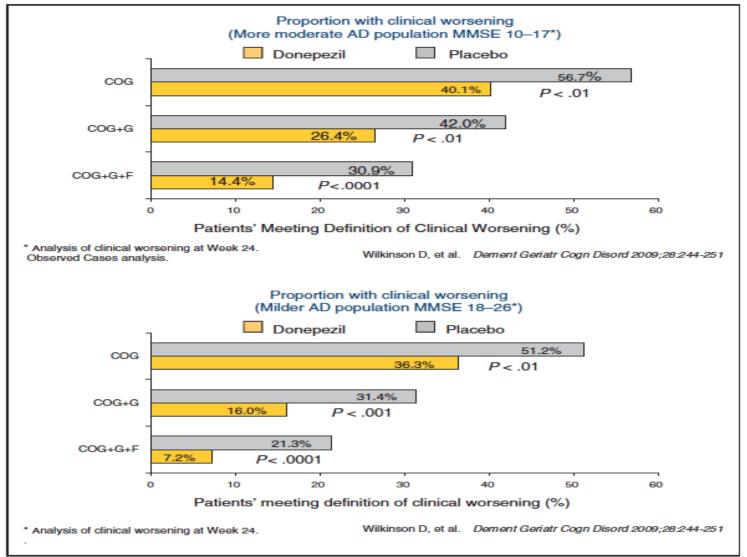
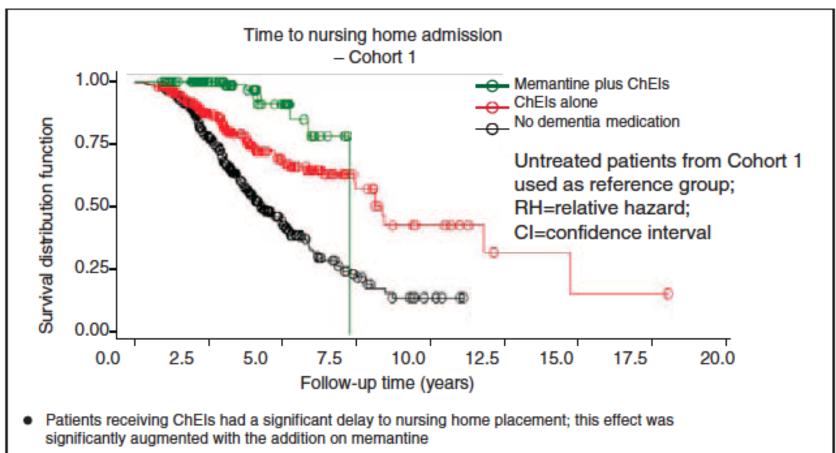


Figure 1. Patients declining according to the NICE definition of response at 3 months showed much less MMSE decline on donepezil compared with placebo, demonstrating a clear drug effect.

Time to nursing home admission



 Memantine reduced the risk of nursing home placement by a factor of 3.4, relative to the group taking ChEIs alone

Lopez et al. J Neurol Neurosurg Psychiatry 2009; Epub ahead of print

How safe are these medications?

- 2006 Cochrane reviewAChl's in AD patients in treatment arms were more likely than those in placebo arms to report a single adverse event
- Number need to harm 7
- Donepezil was associated with fewer adverse events than the other cholinesterase inhibitors.
- Meta-analysis of trials of AChl's and memantine - AChl's were associated with an

How safe are these medications?

- Memantine is associated with fewer and less serious side effects than AChI's
- Adverse effects of cholinesterase inhibitors arise from increased vagal tone.
 - Caution sick sinus syndrome and atrioventricular block
 - Caution COPD or asthma, urinary problems, history of peptic ulcer.
- A comprehensive review of the available data on cardiovascular adverse events concluded that serious events were rare.

Discharging patients from MASS

- Patients are to be discharged from the service after 6 months of being stable on cognitive enhancers.
- Reviews by GP as part of the annual health reviews
- What to look for
 - General feedback from patient/family on cognitive and global decline
 - Any BPSDs Refer to memory clinic (Rapid access clinics)

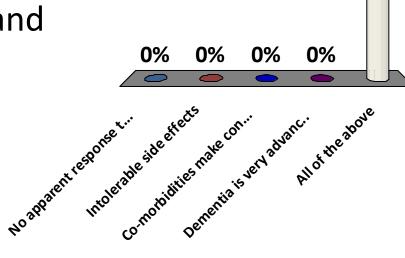
Dieles wondering self needest

Mrs Mary Smith's journey

Mary comes to back to annual health reviews and the feedback suggests a significant decline and the family members request if the medications could be reviewed and if Donepezil could be stopped.

When do you discontinue cognitive enhancers?

- A. No apparent response to therapy
- B. Intolerable side effects
- C. Co-morbidities make continued use too risky or futile (eg, terminal illness)
- D. Dementia is very advanced and terminal care is appropriate
- E. All of the above



100%

Discontinuation of Cognitive Enhancers

- Patient and/or proxy decision-maker decide to stop
- Patient refuses medication or non-adherence is an insurmountable problem
- No apparent response to therapy
 - O Note that this is difficult to judge in practice; evidence shows that patients on treatment do better than those on no treatment, even in some with severe AD
- Intolerable side effects
- Co-morbidities make continued use too risky or futile (eg, terminal illness)
- Dementia is very advanced and terminal care is appropriate
- Withdraw treatment slowly and consider reinstating if deterioration occurs.

Mrs Mary Smith's Journey

- Mary continues to decline with her global functioning and she no longer is able to manage her ADLs and family are concerned about her capacity to manage her finances. They come to see you if she is capable of executing a Power of Attorney for finances.
- Does she have the capacity to sign a power of attorney document?

Capacity for Power of Attorney

- Diagnostic threshold
- Functional assessment
 - Understand, retain, weigh the pros and cons, communicate
- What is the relevant information you discuss?
 - Nature and scope of POA
 - Why She has chosen those attorneys
 - Extent of her affairs, financial responsibilities, contingencies

BPSDs

(Behavioral and Psychological Symptoms of Dementia)





BPSDs

- Around 90% of dementia patients experience BPSDs
- Shouting, screaming, agitation, aggression, disinhibition, delusions, hallucinations etc
- Independently associated with
 - poor outcomes
 - distress among patients and caregivers
 - long-term hospitalization
 - misuse of medication
 - increased health care costs
- Evidence base for effective control of BPSDs is

Mrs Mary Smith's journey

Mary was found wandering outside her home and she was admitted to a care home. The care home staff request a review by GP as they are getting increasingly concerned about Mary's behaviours.

How do you approach?

- P Pain
- I Infections
- N Nutritional status
- C Constipation
- H Hydration, check U&E
- M Medications
- E Environment



How do you approach?

- RISK ASSESSMENT self and others
- Understand the behaviours
 - Behavior charts Request the carers to maintain
 - Behavioral analysis ABC (Antecedent, Behaviour, Consequence)
 - Explore any triggers, timings, patterns
 - Glass half full! What has worked?
- Refer to Care Home Liaison team (MASS)
- Role of medication
 - Not first line
 - SSRI/Trazodone/Benzos/Memantine/Antispychotic

Antipsychotics in Dementia



Some numbers!

Treating 1,000 people with BPSD for 12 weeks would result in

- an additional 91–200 patients with behavioual disturbance (or an additional 72 patients of 1,000 with psychosis) showing clinically significant improvement in these symptoms
- an additional 10 deaths
- an additional 18 CVAEs, around half of which may be severe
- no additional falls or fractures
- additional 58-94 patients with gait disturbance

The process!

Where medication is considered



- The person should be as involved as possible in decision-making
- In all cases family carer should be involved in discussions
- Information on the possible positive and negative effects of the medication
- A 'best interests' decision
- Atypical antipsychotic is to be preferred over a

The Process!

- If prescribed PLEASE LET US KNOW asap
- Advice adequate fluid intake, mobility, emphasize secondary prevention i.e blood thinners etc
- Advice the carers to look for any evidence of strokes
- Risk is highest in the first few weeks
- DOCUMENT, DOCUMENT, DOCUMENT...
 - Target symptoms
 - ▼ Plans for further review

Acknowledgements

• Cambridge Dementia Course — Some of the contents of this talk are borrowed from this course

