Early detection of dementia and the "Initial-phase intensive support team" for preventing BPSD.



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Japanese cat is now doing weight training.

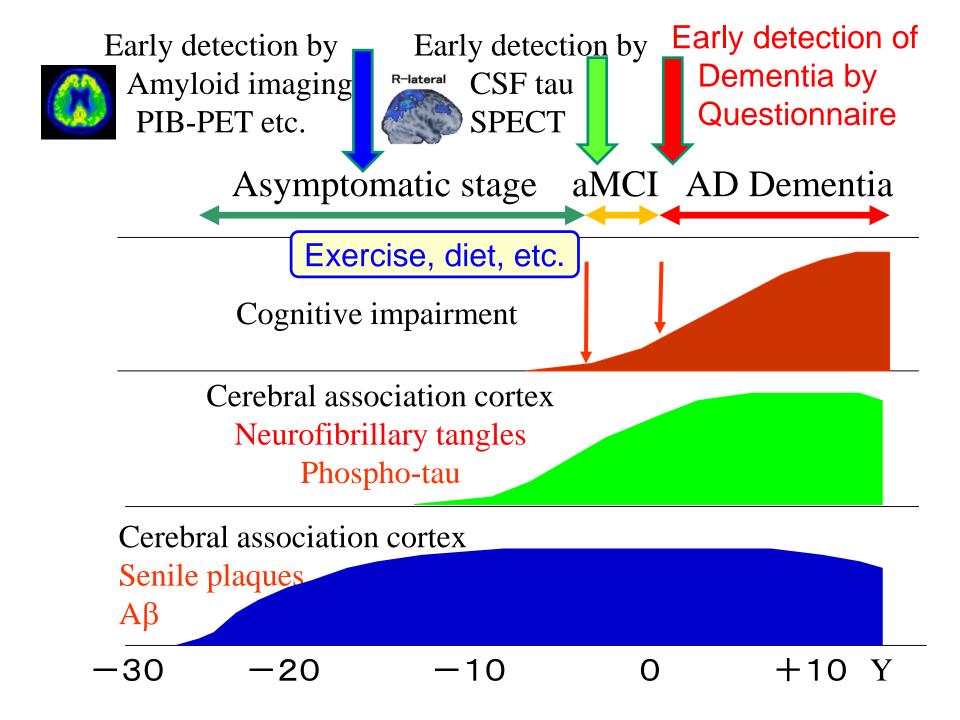
To prevent dementia ??

Exercise is the best way.

But exercise prolongs one's life, enhancing occurrence of dementia.

Prevention is to postpone.

I found it at a souvenir shop in Takayama.



Advantages and Disadvantages of early detection of dementia

	Advantages	Disadvantages
Patients	Receiving pharmacological and non-pharmacological therapies Access to appropriate agencies and support networks Prevention of BPSD	Psychological damages of anxiety and depression Risk of withdrawal, isolation, stigma and social exclusion Risk of false positive diagnosis
Families and caregivers	Mental preparation for disease progression Access to appropriate agencies and support networks	Stigma and exclusion Care burden from early stages
Social services	Net cost reduction effects including delay of institutionalized care	Shortage of social resources, including human resources

Maki Y et al: Geriatr Gerontol Int 14(Supple 2):2-10, 2014

Early detection of dementia by SED-11Q, and assessment of anosognosia

Symptoms of Early Dementia-11 Questionnaire (SED-11Q)

Date(MM/DD/YYYY)
Patient Name:

Respondent Name:

Caregiver answers

Cut-off 2/3

Respondent-completed / Interview by Name:

How has the patient's daily life been for the last month?

Please answer the following questions by circling the appropriate re

(Exclude any difficulties caused by physical issues, e.g., pain). Please ask for any help if needed.

7 by caregive	7	by	carec	jive
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He/she talks and asks about the same things repeatedly.	YES	NO	N/A
He/she has become unable to understand the context of facts.	YES	NO	N/A
He/she has become indifferent about clothing and other personal concerns.	YES	NO	N/A
He/she has begun to forget to turn off the faucet and/or close the door, and/or has become unable to clean up properly.	YES	NO	N/A
When doing two things at the same time, he/she forgets one of them.	YES	NO	N/A
He/she has become unable to take medication under proper management.	YES	NO	N/A
He/she has begun to forget to turn off the faucet and/or close the door, and/or has become unable to clean up properly.	YES	NO	N/A
He/she has become unable to make a plan.	YES	NO	N/A
He/she cannot understand complex topics.	YES	NO	N/A
He/she has become less interested and willing, and stopped hobbies, etc.	YES	NO	N/A
He/she has become more irritable and suspicious than before.	YES	NO	N/A
TOTAL SED-11Q SCORE			

2 more Qs: Delusion and illusion for medicine

Same 11 Qs

How do you feel?

Respondent-completed / Interview by Name:

How have your daily life been for the last month?

Patient

answers

Date(MM/DD/YYYY

Name:

Please answer the following questions by circling the appropriate responses

(Exclude any difficulties caused by physical issues a garage)

Please ask for any help if needed.

Only 2 by patients

He/she talks and asks about the same things repeatedly.	YES	, (O	N/A
He/she has become unable to understand the context of facts.	YES	NO	N/A
He/she has become indifferent about clothing and other personal concerns.	YES	NO	N/A
He/she has begun to forget to turn off the faucet and/or close the door, and/or has become unable to clean up properly.	YES	NO	N/A
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He/she has become unable to make a plan.	YES	NO	N/A
He/she cannot understand complex topics.	YES	NO	N/A
He/she has become less interested and willing, and stopped hobbies, etc.	YES	NO	N/A
He/she has become more irritable and suspicious than before.	YES	NO	N/A
TOTAL SED-110 SCORE			

Free PCM article

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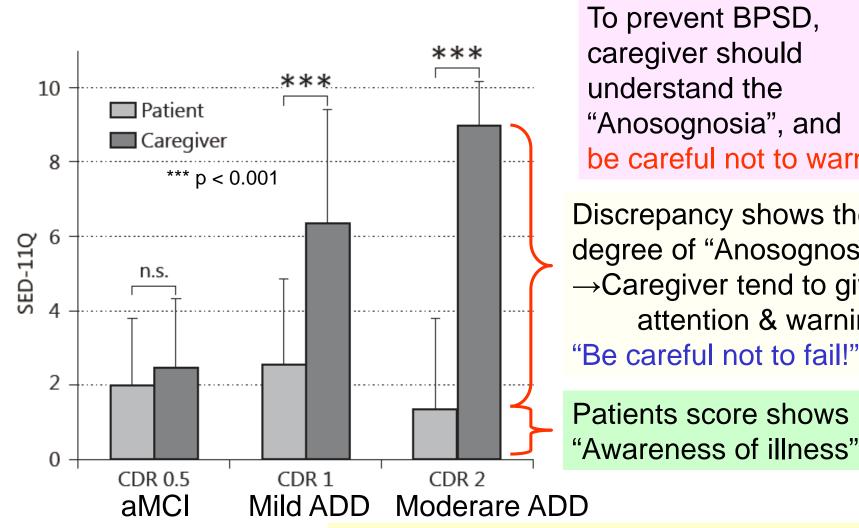
Maki Y et al: Dement Geriatr Cogn Disord Extra 3:131-142, 2013 Maki Y et al: Geriatr Gerontol Int 14(Supple 2):2-10, 2014

He/she has delusions, e.g., claims to have had valuables stolen. YES NO N/A
He/she has illusions, e.g., sees something that isn't there. YES NO N/A

Anosognosia evaluated by SED-11Q

Symptoms of Early Dementia-11 Questionnaire

Subjects: 13 in aMCI (CDR 0.5); 73 in Mild ADD (CDR 1); 21 in Moderare ADD (CDR 2)



To prevent BPSD, caregiver should understand the "Anosognosia", and be careful not to warn

Discrepancy shows the degree of "Anosognosia" →Caregiver tend to give attention & warning

Patients score shows "Awareness of illness"

Maki Y et al: Dement Geriatr Cogn Disord Extra 3:351-359, 2013

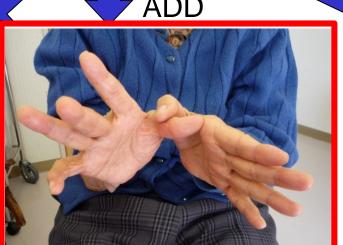
Easy, quick detection of dementia by the Yamaguchi fox-pigeon imitation test







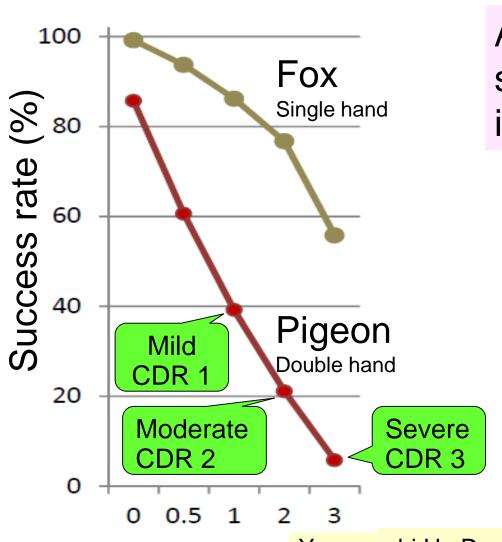






Yamaguchi fox-pigeon imitation test (YFPIT); 20 secs.

Subjects: 1,219 aged people; 387 normal; 497 ADD; 98 DLB; etc.



CDR

About 70% of demented subjects failed the imitation of pigeon.



Palms Outside

ADD patients showed difficulty in taking the 3rd person's viewpoint.

(Perspective taking)

→Self-monitoring↓ Anosognosia

Yamaguchi H: Dement Geriatr Cogn Disord 2:254-258, 2010

Yamaguchi H: Psychogeriatrics 11:221-226, 2011

視線を落とす→落ち目 Looking down causes being out of luck. うつむく→うつの気分 Neck flexion causes depressive feeling.

He was given a diagnosis of dementia just now.
He said,
"Early diagnosis" thrown me into "Early despair".

早期診断=早期絶望

Early diagnosis should be associated with early support to reduce psychological damages of anxiety and depression.



Initial-phase Intensive Support Team(IPIST)

(purpose) to organize supporting system for early detection and early diagnosis. To enable elderly people to live in their community in a pleasant and familiar environment throughout their life, even if they come to require advanced-level care.

[What is IPIST?]

IPIST visit people with dementia (and their households).

IPIST support includes:

assessments of patient state, supports for family in initial-phase (6-months) etc.

Community general support center

Members of IPIST

Medical and Care specialists
(public health nurse, nurse, occupational therapist,

LTC public aid worker)

social worker,



(People supported by IPIST)

- People with or suspected to be with dementia (40 years old and over)
- ◆ People live in home
- ◆ Person with one of (a) to (d)
- (a) without proper diagnosis.
- (b) without continual medical services.
- (c) without proper welfare services
- (d) with proper diagnosis and discontinuous services
- Person with severe BPSD

Five-year Plan for Promotion of Dementia Measures (2013-2017) "Earlier diagnosis and Intervention" < Orange Plan >

Stream of the task Meeting→Assessment →Meeting→Support→ Connecting→Monitoring



Family of demented people

Neighbors

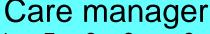
Welfare volunteer commissioner

Hospitals & Clinics

Consultation Requests

Medical centers for dementia

11 Community general support centers



Long-Term Care Support Specialists



Staff

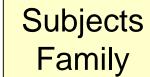
Medical information 38/44

Report of assessment/results
46 subjects

Asking provision of information

IPIST Visiting staffs

IPIST
Team meeting
+Doctors
+City officers



Assessment
Support
Connecting/Passing

Follow up monitoring Maebashi city

3 hundred thousand people



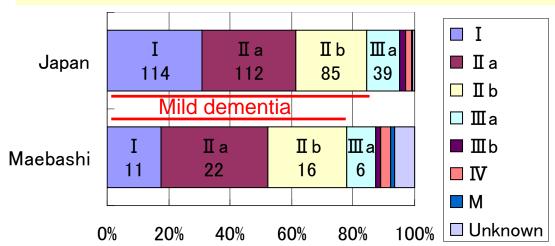
Orange Plan

Family care Guidebook

IPIST in Maebashi city

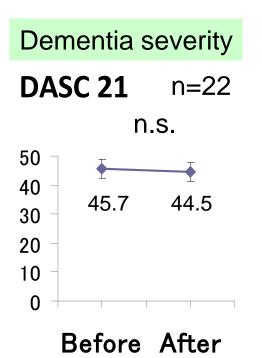
Orange Plan

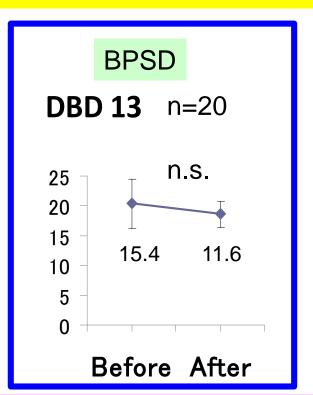
- Subjects: 63 persons
- (Visited: 58 persons; Not visited 5 persons)
- •Number of visit: 2.5 ± 1.9 times First visit 101min.
- Disease: Dementia? 51; Psychiatric? 3; Alcoholic 5
- Problem in caregiver rather than in subjects 8
- Family doctor (GP): Having 46; Not having 17
 - → Response form GP: 38/44 informed
- Diagnosis of dementia: Already 11; Not yet 31

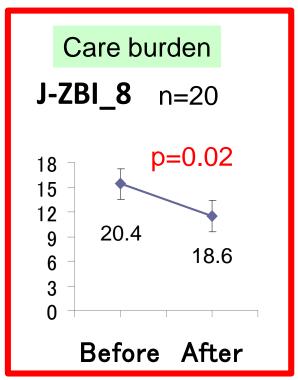


Independence degree of daily living for the demented elderly

Initial-phase intensive support team in Maebashi city: 1 year achievment from Sep 2013 to Sep 2014







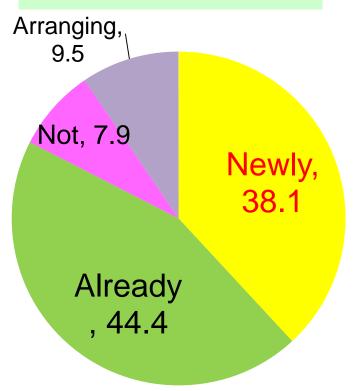
- # Dementia severity, assessed by DASC21, did not changed.
- # Behavioral disturbance, assessed by DBD13, tended to improve.
- # Care burden, assessed by Zarit 8, improved significantly.

DASC21 is a Dementia Assessment Sheet in Community-based Integrated Care System, which consisted of 21-items questionnaire asking living functions

Initial-phase intensive support team in Maebashi city: 1 year achievment from Sep 2013 to Sep 2014

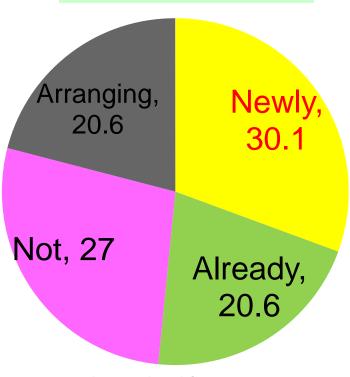
Total 63 Subjects; Visits 2.5 +/- 1.9 times (n=46)

Connected to Medical treatment



Most were connected to medical treatment

Connected to Welfare service



More than half were connected to welfare service

Initial-phase intensive support team for dementia in 2013 in Japan <Orange plan>

Model project Half year: 2013.9 to 2014.3

14 areas (city, town, village, ward)

Orange Plan

- # Cases: Total 636 cases, 45.4 cases/area (mean) 50% of cases have difficulty in support <anosognosia (refusal), neglect, alcohol, etc>
- # Visits: Total 2,106 visits, 3.14 visits/case (mean)
 First visit 77 min. (mean); Third visit 55 min.
- # Team staff meeting: Total 316 times, 22.6/area (=1/w) Taking 89 min.; 20 min./case (mean)

Now going on in 108 areas (2014.9)

Take Home Message

Early detection & Initial-phase intensive support team (IPIST)

Questionnaire (SED-11Q) and the Yamaguchi fox-pigeon



imitation test (taking 30 sec.) contribute to early detection of dementia as a screening.

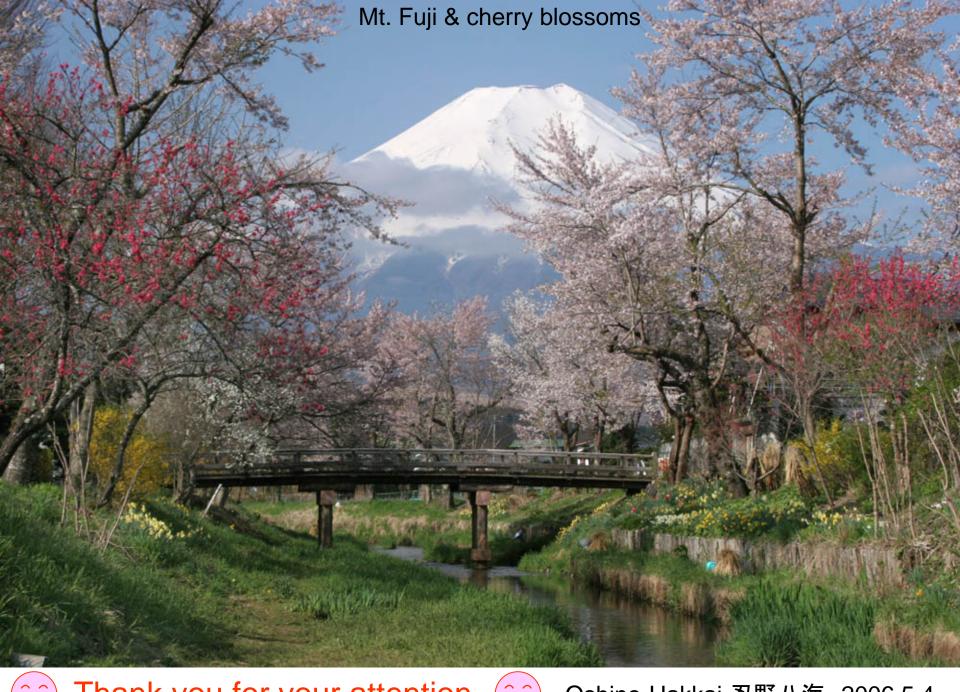
Furthermore, SED-11Q evaluates "anosognosia" that is difficulty in self-awareness, and is useful to prevent BPSD through caregiver education.



As an early support system, IPIST in the orange plan Guidebook connects demented subjects to medical and social supports to reduce care burden, and to prevent BPSD.

We hope the subjects continue to live at-home with dignity.

Five-year Plan for Promotion of Dementia Measures (2013-2017) "Earlier diagnosis and Intervention" < Orange Plan >



Thank you for your attention. Oshino-Hakkai 忍野八海 2006.5.4