Alzheimer’s disease

Aging and Health

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World prevalence of dementia

- 25 million people in the world with dementia
- Double every 20 years
- 40 million by 2020
- 80 million by 2040

1Ferri C, Prince M, Brayne C, Brodaty H et al, Lancet 2005
World prevalence of dementia

Age > 60 years:
- 1.26% AD
- 0.74% VaD

AD prevalence:
- 2.10% F
- 0.76% M

VaD prevalence:
- 0.71% F
- 0.69% M

1 Liu L et al, Dement Geriatr Cogn Disor, 2003
Burden of the Society caused by AD

Prevalence
(the cost paid by the society and the family of the patients)

4,500,000 AD patients in U.S.
> 6,000,000 AD patients in China
> 20,000,000 AD, PD patients in China in the year of 2050

1 AD patient /4-6 person/family/ 85Y life span (mean)

~20,000 dollars/year/patient U.S.
~100,000,000,000 dollars/year U.S.
10,000 RMB/year/patient CHN
60,000,000,000 RMB/year CHN
200,000,000,000 RMB /year in 2050 (AD, PD) CHN
Planning in Aging Society

In 90-year-old people

- Jeanne Calment, died 1997 in Arles (France). She was 122 years old
- She did not suffer from any cognitive deficits
- Her recommendations: Red wine and olive oil (and “good” parents)

AD Diagnose
- fMRI / PET

AD Therapy
- Cholinergic inhibitors
- BACE inhibitors
- Vaccination
- Chinese medicines

For aged people
- Food business
- Clothes fashion
- House designing
- Robot service
Supporting Aging Society

Norman Bethune Fund

Cognitive Disorder Fund for Aged People

Norman Bethune Fund Cognitive Disorder Fund Committee

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Thank You!

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