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i-CASE


Identifying factors underlying variability in depression in individual dementia patients



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Hopeless situation?




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Double jeopardy: dementia and depression

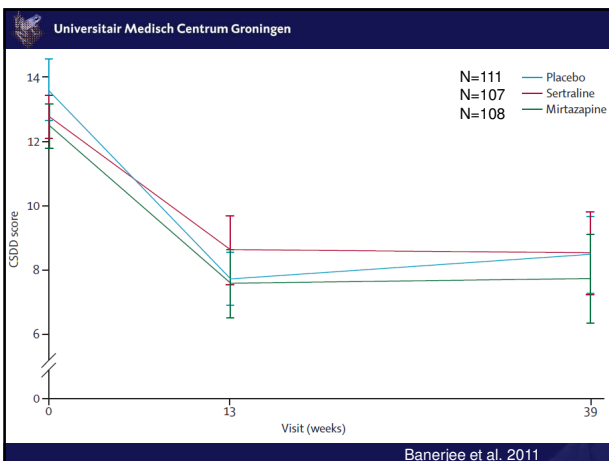
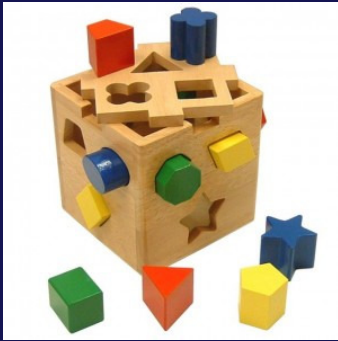
In dementia patients:

- 20% Major depressive disorder
- Another 20-30% minor depression



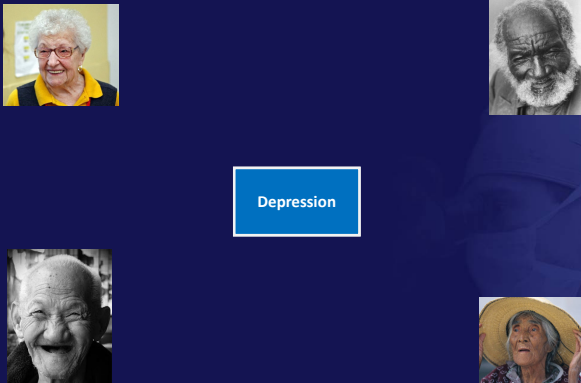
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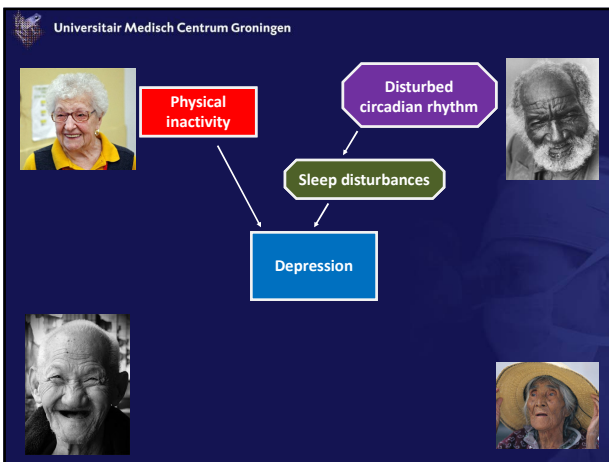
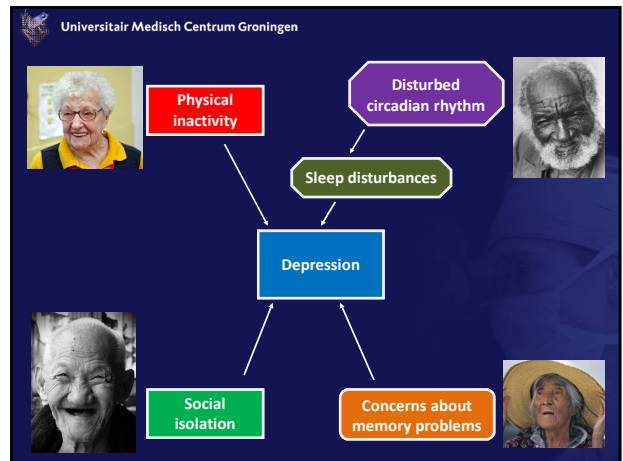
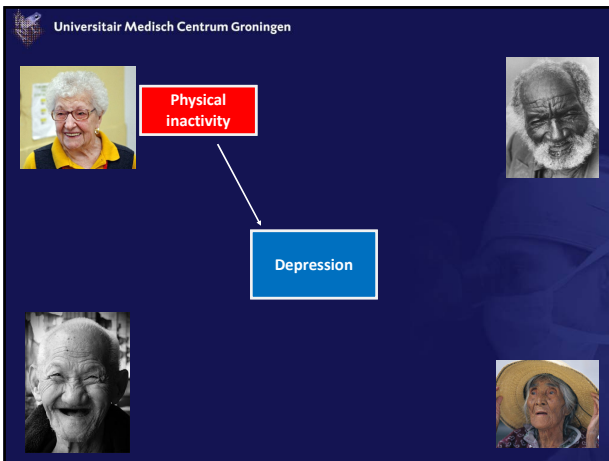
Hypothesis



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Depression





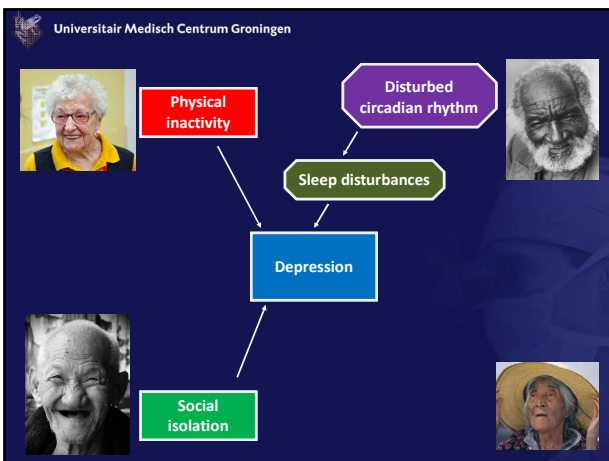
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FONDS PSYCHISCHE GEZONDHEID
alzheimer nederland

Idiographic study of Cognition, Affect and Sleep in Early Alzheimer

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A slide with a dark blue background. At the top left is the logo of Universitair Medisch Centrum Groningen. At the top right are logos for 'FONDS PSYCHISCHE GEZONDHEID' and 'alzheimer nederland'. The main text is centered in white and orange: 'Idiographic study of Cognition, Affect and Sleep in Early Alzheimer' followed by 'i-CASE' in a large, bold, blue font. Below the text is a small icon of a group of diverse, colorful human figures.



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Idiographic study of Cognition, Affect and Sleep in Early Alzheimer

Aim

- To identify factors underlying variability in depressive symptoms over time in individual patients

A slide with a dark blue background. At the top left is the logo of Universitair Medisch Centrum Groningen. The title 'i-CASE' is in a large, bold, yellow font. Below it is the subtitle 'Idiographic study of Cognition, Affect and Sleep in Early Alzheimer' in a smaller yellow font. The word 'Aim' is underlined in white. Below it is a single bullet point in white: '- To identify factors underlying variability in depressive symptoms over time in individual patients'.

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The idiographic study design

Study design: idiographic

1. Multiple measurements over time in one individual
2. Analyses separately for each individual

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Idiographic study of Cognition, Affect and Sleep in Early Alzheimer

Procedure

For 60 days:
fill out electronic diary on a daily basis
continuously wear actiwatch

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The idiographic study design

Study design: idiographic

1. Multiple measurements over time in one individual
2. Analyses separately for each individual

Time series analysis

Evaluate temporal associations between depression and other variables within one person

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Idiographic study of Cognition, Affect and Sleep in Early Alzheimer

Procedure

For 60 days:
Fill out electronic diary on a daily basis
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Variables

- Depressive symptoms
- Memory problems
- Sleep/circadian rhythm
- Physical activity
- Social contacts
- Alcohol, caffeine, smoking
- Pain
- Important events
- Cognitive tasks

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Idiographic study of Cognition, Affect and Sleep in Early Alzheimer

Participants (n=20)

- Mild dementia due to Alzheimer's disease
- Depressive disorder (MINI) or depressive complaints (GDS \geq 4)

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Idiographic study of Cognition, Affect and Sleep in Early Alzheimer

Procedure

For 60 days:
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continuously wear actiwatch

Analysis

Time-series analysis to evaluate temporal associations between depression and the other variables

Variables

- Depressive symptoms
- Memory problems
- Sleep/circadian rhythm
- Physical activity
- Social contacts
- Alcohol, caffeine, smoking
- Pain
- Important events
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Procedure
For 60 days:
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Variables
Depressive symptoms
Memory problems
Sleep/circadian rhythm
Physical activity
Social contacts
Alcohol, caffeine, smoking
Pain
Important events
Cognitive tasks

Analysis
Time-series analysis to evaluate temporal associations between depression and the other variables
separately for every individual

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Thank you

