2013 AAIC WW-ADNI Meeting, Boston

K-ADNI Update

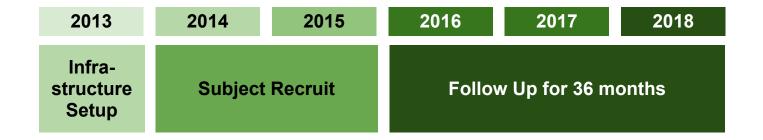
July 12th, 2013

Seong Yoon Kim, Seol Hee Han, Duk L. Na

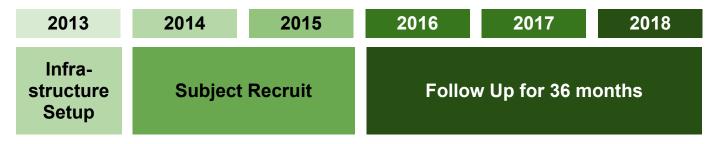
- General Year1 Tasks
 - Infrastructure setup for K-ADNI is under way.
 - Database design, in alignment with ADNI data structure if possible (for easy comparison or combining of other WW-ADNI data)
 - LORIS
 - Longitudinal Online Research and Imaging System
 - Web-based data management system

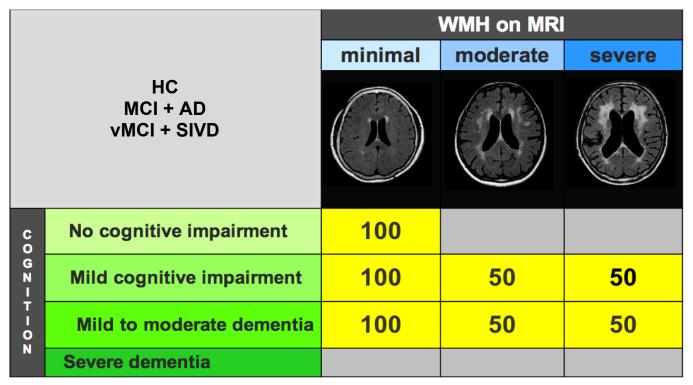
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 - Longitudinal Online Research and Imaging System
 - Web-based data management system
- Clinical core
 - Electronic data capture (EDC) system
 - NP test for SIVD and vMCI: we are adopting many of the NP test from ADNI II, + VCIHS-NP tests for VCI subjects

Clinical Core: Subjects



Clinical Core: Subjects





NP Tests (HC, MCI, AD)

US-ADNI

- Alzheimer's Disease
 Assessment Scale: ADAS
- American NART
- Boston Naming Test: BNT
- Category fluency: Animal
- Clock DT
- Logical memory: Immediate + delayed recall
- MMSE, MoCA
- Rey AVLT
- TMT

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K-ADNI

ADAS (11+1)

- K-BNT
- Category fluency: Animal
- Clock DT
- Logical memory: subtest from SNSB II (immediate and delayed recall)
- MMSE, K-MoCA
- AVLT
- TMT

Clinical Evaluation

US-ADNI

- Clinical Dementia Rating (CDR)
- Everyday Cognition (eCOG)
- Geriatric Depression Scale (GDS)
- Functional Assessment Questionnaire (FAQ)
- Modified Hachinski

 Neuropsychiatric Inventory Questionnaire - Short Format (NPIQ)

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K-ADNI

- Clinical Dementia Rating (CDR)
- (eCOG)?
- Geriatric Depression Scale (GDS)
- Functional Assessment Questionnaire (FAQ)
- Modified Hachinski
- Other functioanl
 - DAD, S-ADL, S-IADL,
 IQCODE
- NPI
- QOL-AD

NP Test (vMCI, SIVD subjects)

Cognitive Domain	VCIHS-NP	Korean VCIHS-NP (K-VCIHS-NP)
Executive / Activation	Animal Naming	Animal Naming
	Phonemic Fluency (CFL, PRW)	Phonemic Fluency (コ, ㅇ, 人)
	Digit Symbol Coding	Digit Symbol Coding
	Trail Making Test	Korean TMT-Elderly's version (K-TMT-E)
	List Learning Test Strategies	List Learning Test Strategies (SVLT-E)
Language	BNT-Short form	K-BNT: Short form B
Visuospatial	Rey: Copy	Rey: Copy
Memory	Hopkins Verbal Learning Test	Seoul Verbal Learning Test-Elderly version (SVLT-E)
	California Verbal Learning Test (alternate)	Korean-CVLT
Neuropsychiatric / Depressive	NPI-Questionnaire version	NPI-Q
	CES-D	GDS, S-GDS
Symptoms Others	IQCODE	IQCODE-K
	MMSE	K-MMSE
	MoCA	K-MoCA

- MRI core
 - 3.0T MRI centers
 - Screening: brain routine, but Circle of Willis MRA (TOF)
 - Study: Structural MRI (T1, T2, FLAIR, T1 volumetry); functional MRI (DTI, RS fMRI, SWI)
 - Standardization of acquisition, quality control of each participating centers are the 1st year issue.

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- Private fund raising
 - Recently established "National Dementia Center" will be acting a hub for private fund management.