2015 AAIC WW-ADNI Meeting, Washington DC

K-ADNI Update

July 17th, 2015

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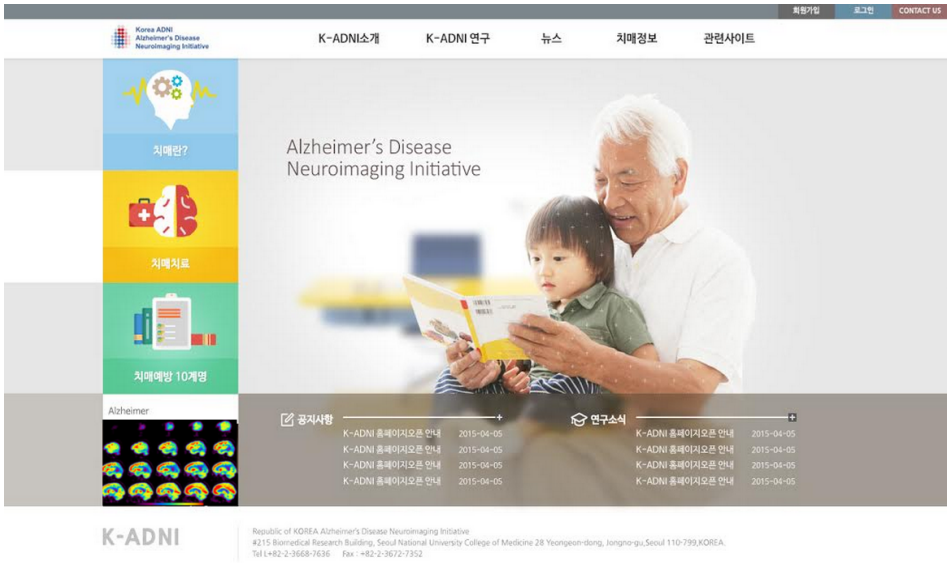
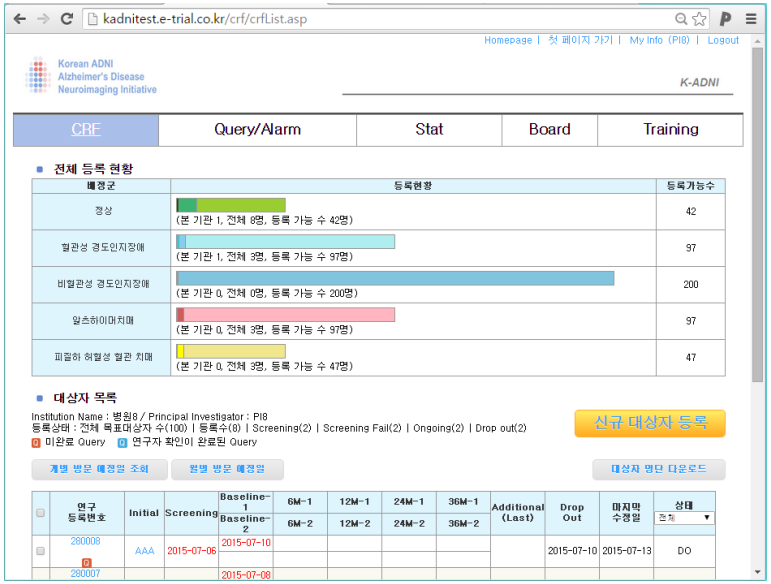
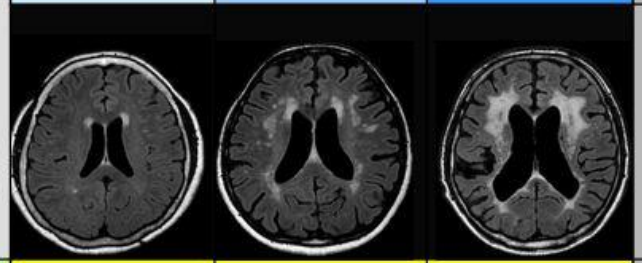
Updates from K-ADNI

- Homepage and eCRF site
  - www.k-adni.org for information portal for general population
  - http://kadni.e-trial.co.kr/





Target Subjects

HC, aMCI, vMCI, AD, SIVD		WMH on MRI			
		minimal	moderate	severe	
					Total
Cognition	No cognitive impairment	50	-	-	50
	Mild cognitive impairment	200	50	50	300
	Mild dementia	50	50	50	150
	Major Type	AD	Mixed	SIVD	

Inclusion / Exclusion criteria

Category	Evaluation Applied	Healthy Control (HC)	Mild Cognitive Impairment (MCI)				Dementias	
			E-MCI	V E-MCI	L-MCI	V L-MCI	AD	SIVD
Screening Test	K-MMSE	≧ -1.5 SD in Age, Gender, Edu norm	≧ 24				18 ≦ and < 26	
Cognitive Test	SVLT-E	≧ -1.0 SD in Age, Gender, Edu norm	-1.5 ≦ and < -1.0 SD		< -1.5 SD		< -1.5 SD	
ADL Impairment	Clinician's Evaluation	-	-				ADL Impaired	
Severity	CDR Rating	0	0.5				0.5 or 1.0	
Dignostic Criteria	Probable AD by NINCDS-ADRDA	-	-				Applied	-
Vascularity	Vasc. Risk Factors: more than 2 out of 5 (regardless of control) : HTN / DM/ Dyslipid/ Obesity(BMI >25) / Smoking AND WMH Moderate or higher on MRI AND Clinical judgment: Time correlation and Causality	-	-	Yes	-	Yes	-	Yes

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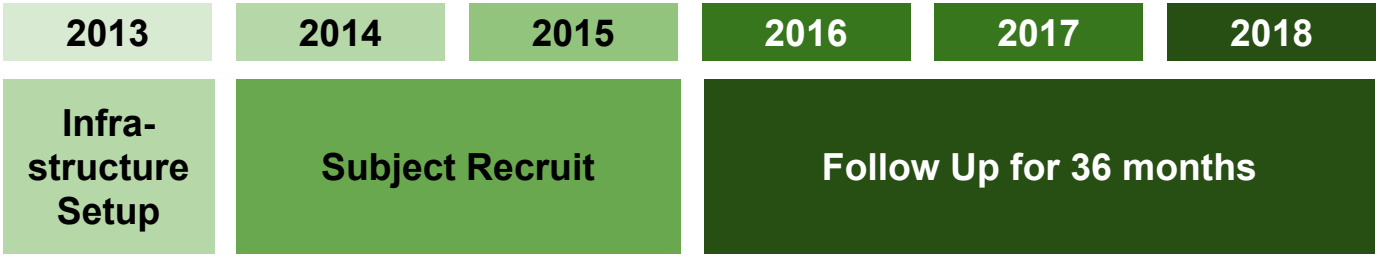
Timeline of K-ADNI

- Year 3 (Nov. 2014 ~ Oct. 2015) of 6 year project
  - Original time line



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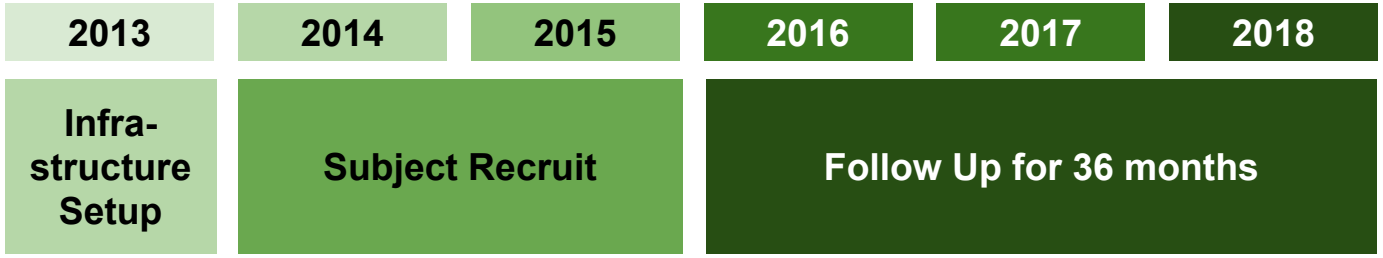

  - It turned out to be...

Updates from K-ADNI

- Subject recruitment still pending
  - Clinical sites ready for their first subjects.
  - MERS swept over Korean major hospitals for the last 2 months.

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    - Not very familiar to participating site staffs

Clinical Evaluation

US-ADNI

- Clinical Dementia Rating
- Everyday Cognition (eCOG)
- Geriatric Depression Scale
- Modified Hachinski
- Functional Assessment Questionnaire (FAQ)
- Neuropsychiatric Inventory Questionnaire (NPI)

K-ADNI

- Clinical Dementia Rating
- K-eCOG
- Geriatric Depression Scale
- Modified Hachinski
- Functional Assessment Questionnaire (FAQ)
- Other functional
  - DAD, IQCODE
- Neuropsychiatric Inventory Questionnaire (NPI)

NP Tests

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

K-ADNI

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    - Not very familiar to participating site staffs
  - eCRF system
    - Slow stabilization thru trial-and-error
    - Collaboration between clinical, scientific, administrative, regulatory and IT staff essential
    - Different design, implementation, data QA from previous drug trials, or cross-sectional registries.