2014 AAIC WW-ADNI Meeting, Copenhagen

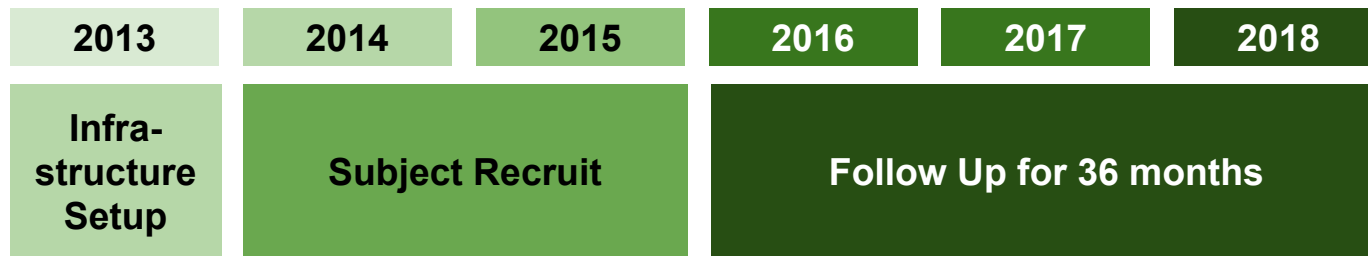# K-ADNI Update

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Update for K-ADNI, 2014
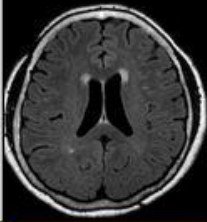
- Year 2 (Nov. 2013 ~ Oct. 2014) of 6 year project
  - Recruitment of subjects for 2 years

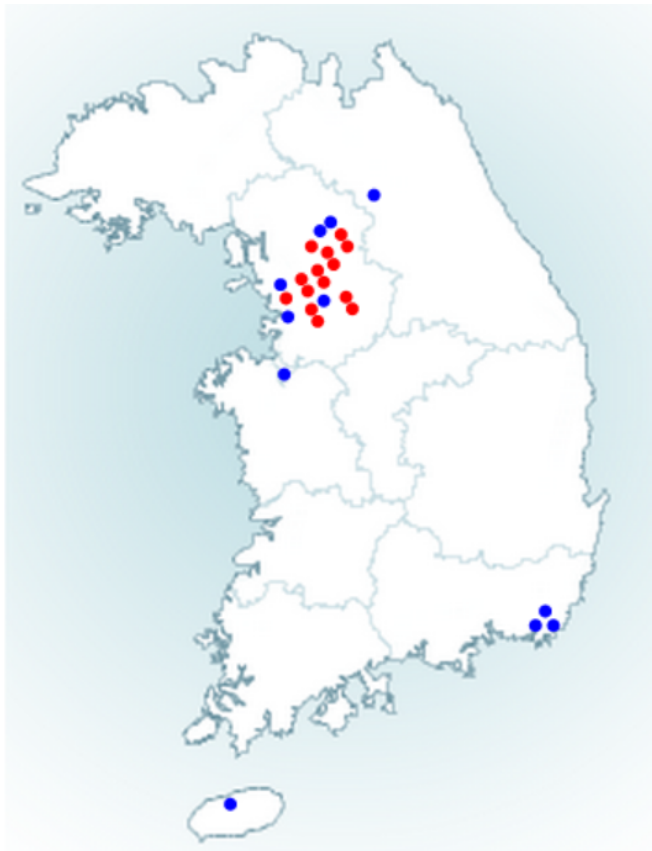| 2013	2014	2015	2016	2017	2018
Infra-structure Setup	Subject Recruit		Follow Up for 36 months		

  - Several factors affecting the recruitment launch
    - Trimming of extensive NP evaluation
    - Establishment of eCRF and LORIS networking
    - Approval of F18 Flutemetamol (Vizamyl) for research purpse by Korean FDA
    - Each clinical sites IRB processes, etc.

  - First subject to be recruited in August

Subjects

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

Clinical Sites

● **Established Clinical Sites (14)**	● **Candidate Sites (TBD after facility evauation: 10~11)**
● AMC, Psy, SY Kim (Main site) ● AMC, Neur, JH Lee ● Kunkook UH, Neuro, SH Han ● Kunkook UH, Psy, SH Ryu ● SNUH, Psy, DY Lee ● SNUBH, Neuro, SY Kim ● SNUBH, Psy, KW Kim ● SMC, Neuro, DL Na ● SMC, Psy, DK Kim ● CMC Seoul, Neuro, DW Yang ● CMC Seoul, Psy, CW Lee ● Ajou UH, Neuro, SY Moon ● Ajou UH, Psy, CH Hong ● Inha UH, Neuro, SH Choi	● Gacheon UH, Neuro, KH Park ● Kangwon UH, Psy, JH Jhoo ● Korea UH, Neuro KW Park ● Korea Ansan H, Psy, CS Han ● Korea Ansan H, Neuro, MH Park ● Dankook UH, Psy, SB Lee ● DongA UH, Neuro, KW Park ● Boramae H, Psy, JY Lee ● Busan UH, Neuro, EJ Kim ● Busan UH, Psy, YM Lee ● Bucheon Catholic, Neuro, YS Shim ● Bucheon SCH UH, Neuro, SA Park ● Sanggye Paik, Psy, DW Lee ● Jeju UH, Psy, JH Park ● JoongAng UH, Neuro, YC Yoon ● Ilsan Insurance H, Neuro, JH Kim

Category	Subcategory	Assessment	Scr	BL D1	BL D2	M06 D1	M06 D2	M12 D1	M12 D2	M24 D1	M24 D2	M36 D1	M36 D2
Clinical		Explain study	O										
		Obtain consent	O										
		Demographics, FHx, Inclusion/ Exclusion	O										
		MedHx, P/E, N/E, Hachinski	O										
		Vital Signs	O	O		O		O		O		O	
		Hight, Weight	O										
		Screening Labs	O										
		APOE Genotyping and GWAS		O									
		Cell Immortalization Sampling		O									
Neuropsy	General	MMSE	O			O		O		O		O	
	General	Montreal Cognitive Assessment (K-MoCA)			O		O		O		O		O
	General	Everyday Cognition (ECog)			O		O		O		O		O
	General (Vas)	IQCODE-K		O		O		O		O		O	
	General	ADAS-Cog (Pfizer version)			O		O		O		O		O
	General	Clinical Dementia Rating Scale (CDR)	O			O		O		O		O	
	Memory	Seoul Verbal Learning Test (SVLT-E)	O			O		O		O		O	
	Memory (Vb)	Seoul Verbal Learning Test (SVLT-E)				O		O		O		O	
	Memory (Vs)	Rey Complex Figure (Drawing by memory)			O		O		O		O		O
	Language	Boston Naming Test (15-item)		O		O		O		O		O	
	Exec/ Activation	Trails A & B (K-TMT-E)		O		O		O		O		O	
	Exec/ Activation	Category Fluency (Animals)		O		O		O		O		O	
	Exec/ Activ (Vas)	Category Fluency (Phonemic: ㄱ, ㅇ, ㅅ)		O		O		O		O		O	
	Exec/ Activ (Vas)	Digit Symbol Coding		O		O		O		O		O	
	Visuospatial	Clock drawing			O		O		O		O		O
	Visuospatial (Vas)	Rey Complex Figure (Copy)			O		O		O		O		O
	BPSD	NPI-Q			O		O		O		O		O
	BPSD	Geriatric Depression Scale (GDS)	O			O		O		O		O	
	Functional	Activities of Daily Living (FAQ)			O		O		O		O		O
	Functional	DAD			O		O		O		O		O
Laborator		Plasma and Serum Biomarker Collection		O		O		O		O		O	
		CSF Collection by Lumbar Puncture (LP)		O							O		
		Concomitant Medications	O	O		O		O		O		O	
		Adverse Events	O	O		O		O		O		O	
		Diagnostic Summary	O		O		O		O		O		O
MRI		Screening MRI	O										
		Study MRI		O		O		O		O		O	
PET		FDG-PET Imaging		O							O		
		18F-flutemetamol Amyloid Imaging			O						O		

Other News from K-ADNI

- National projects planned to go parallel with K-ADNI

  - Biomarker National Centers

    - Ministry of Health & Welfare

  - Project to develope a "Dementia Prediction Map"

    - Ministry of Future, Science and Information

- Collaboration and learning from colleagues

  - Establishment of solid clinical cores

  - Asian ADNI Symposium: China, Japan, Korea