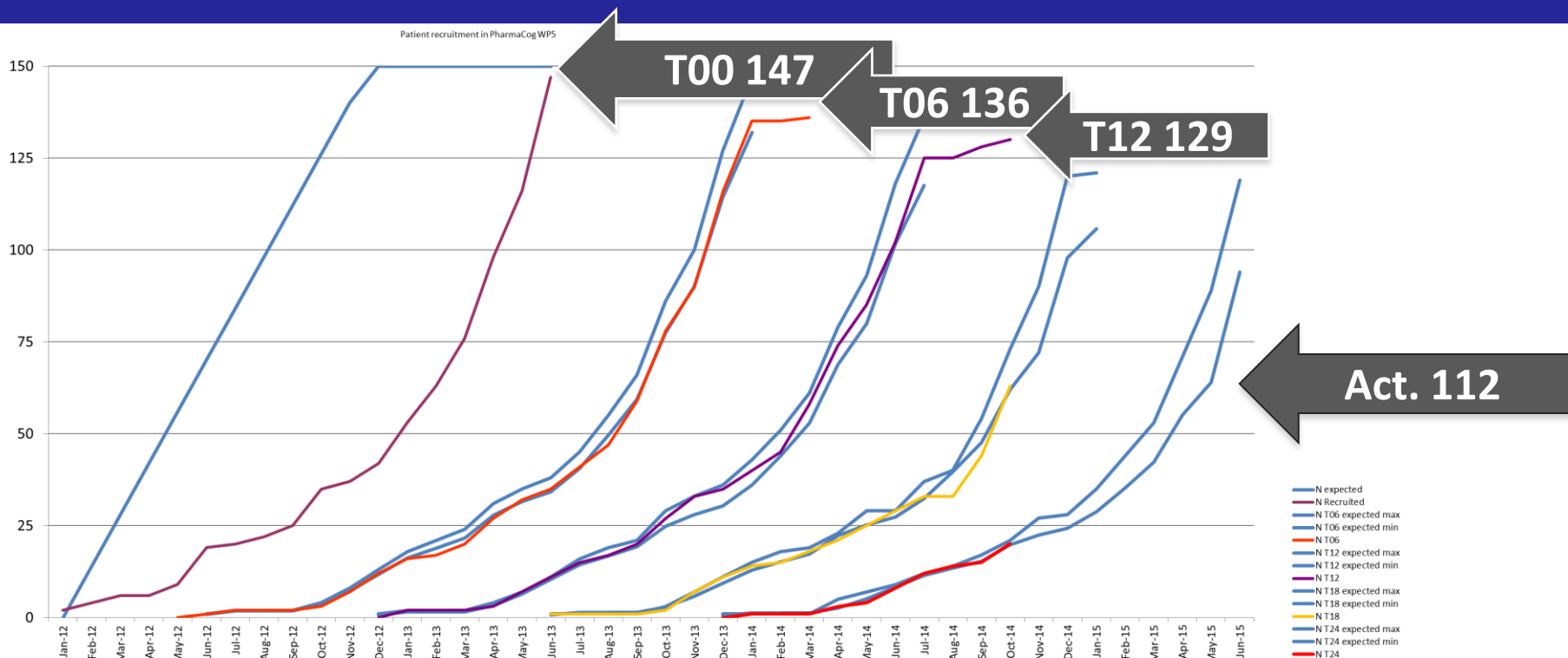


European ADNI Initiatives

Nov 6 2014

- **E-ADNI (PharmaCog) update**

Enrollment and follow-ups as of October 31, 2014



End of recruitment	150 pats expected	147 pats enrolled COMPLETED!
October 2014	147-132 pats expected	136 pats T06 COMPLETED!
	136-118 pats expected	129 pats T12 COMPLETED!
	73-62 pats expected	63 pats T18
	21-20 pats expected	20 pats T24

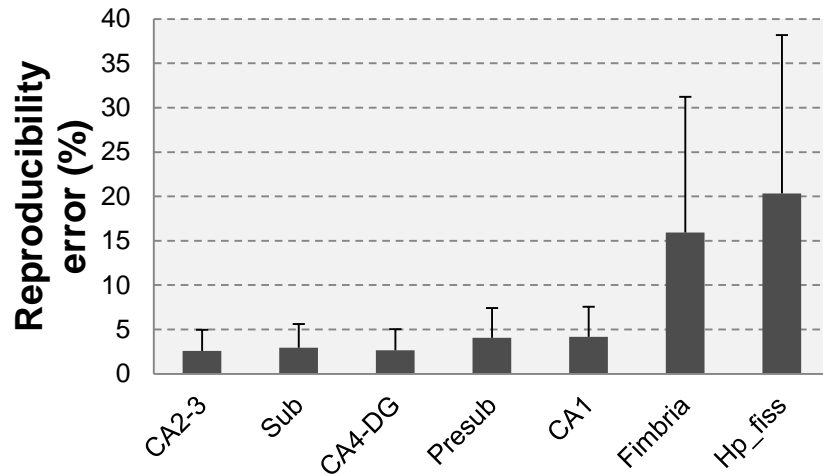
Dissemination: papers



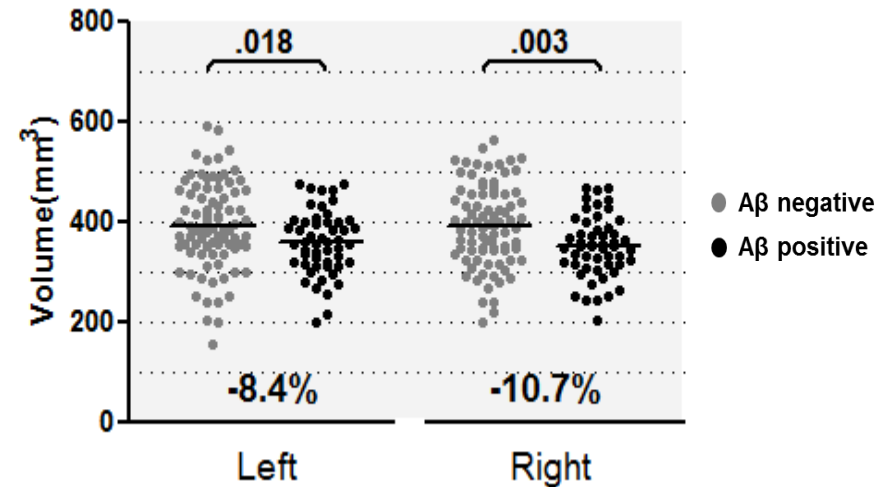
Journal	Title	Status	Author
Alzheimer's and Dementia	Cross-sectional clinical, neuropsychological, neuroimaging, and neurophysiological characterization of mild cognitive impairment patients in WP5 PharmaCog/ E-ADNI study	To be submitted	Galluzzi et al.
Neurobiology of Aging	Striatum and entorhinal cortex common neuropathological targets in Alzheimer's disease mouse models	Accepted in Oct 2014	Micotti et al.
NeuroImage	Multisite Longitudinal Reliability of Tract-Based Spatial Statistics in Diffusion Tensor Imaging of Healthy Elderly Subjects	Published in Nov 2014	Jovicich et al.
Drug Discovery Today: Therapeutic Strategies	A new paradigm for testing AD drugs – neuroimaging biomarkers as surrogate outcomes homologous in animals and humans	Published in Oct 2014	Marizzoni et al.
NeuroImage	Brain morphometry reproducibility in multi-center 3T MRI studies: A comparison of cross-sectional and longitudinal segmentations	Published in Dec 2013	Jovicich et al.
Journal of Alzheimer's Disease	Disease tracking markers for Alzheimer's disease at the prodromal (MCI) stage	Published in Aug 2011	Drago et al.

Hippocampal subfields

Multisite reproducibility in health elderly



Presubiculum atrophy in A β positive MCI patients



Main findings

- Harmonized protocol across 13 clinical sites (Siemens, Philips, GE) in health elderly (5/site, x2)
- First study to show hp subfields across-session reliability
- Observed increased errors in smaller regions

Marizzoni et al. Abstract submitted at CTAD 2014.
Manuscript in preparation.

- First hp subfields study in MCI grouped by A β level
- A β positive and negative aMCI patients display different underlying pathology
- Presubiculum more specific than hp volume to discriminate the two groups

Marizzoni et al. Abstract submitted at CTAD 2014.
Manuscript in preparation.