

# Ongoing analyses in GEMRIC

no	Proposer	Site	Title	Status
1	Leif Oltedal	University of Bergen	ECT-induced structural brain changes; a collaboration using data from multiple centers. (nov 2014)	2 Papers published, 1 in preparation
2	Annemieke Dols	GGZinGeest/VUmc, Amsterdam	Does a neuroimaging marker predict the outcome of electroconvulsive therapy in severe depression? A replication study applying multivariate pattern analysis	Analysis ongoing
3	Philip van Eijndhoven	Doners Institute, Nijmegen	Prediction of response to ECT by support vector classification	Starting
4	Miklos Argyelan	The Zucker Hillside Hospital, NY, USA	Electrical field modelling of ECT therapy to predict response and side effects	Manuscript in prep
5	Amit Anand	Cleveland Clinic, USA	ECT Effects on the Brain's Structural Functional Connectome	Starting
6	Benjamin Wade	UCLA, USA	Factor analysis of ECT-related change in clinical response scales and relationships with brain features	1 Paper submitted, 1 in preparation
7	Benjamin Wade	UCLA, USA	Boosting the generalizability of clinical outcome prediction following ECT using instance- weighted domain adaptation and unsupervised clustering	Analysis ongoing
8	Freek ten Doesschate	Rijnstate/AMC, Amsterdam	Dynamic causal modelling in depression and its treatment with ECT	Starting
9	Miklos Argyelan	The Zucker Hillside Hospital, NY, USA	The relationship between the changes in resting state dynamics and the local electrical field induced by ECT therapy	Starting
10	Carles Soriano-Mas	IDIBELL, Barcelona	Modulation of voxel-wise multiband amplitude of low frequency fluctuations after ECT	Starting
11	Olga Therese Ousdal	University of Bergen	Effects of ECT on amygdala and hippocampus subfield volumes	Starting
12	Nils Opel	Department of Psychiatry, Münster	Influence of pre-treatment BMI on clinical and brain structural changes during ECT	Starting
13	Bogdan Draganski	University of Lausanne, Switzerland	Interaction between ECT-induced grey matter volume changes and antidepressant medication	Starting
14	Carles Soriano-Mas	IDIBELL, Barcelona	Structural covariance of the hippocampus and hippocampal volume changes after ECT	Starting
15	Akihiro Takamiya	Keio University, Tokyo	Aberrant brain structure and ECT response in psychotic depression.	Starting
16	Christopher Abbott	University of New Mexico	Depression biotypes in an ECT sample	Starting