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The traumatized brain

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Acknowledgements

Chapter

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Curriculum Vitae

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Education

2008 – 2013: PhD student, University Medical Center Groningen (UMCG), Groningen, The Netherlands

2009 – 2011: Honorary PhD student, Institute of Psychiatry (IoP), King's College London (KCL), London, United Kingdom

2003 – 2006: M.Sc, Biomedical Engineering (Bio-electrics), Amirkabir University of Technology, (Tehran Polytechnic University), Tehran, Iran.

1999-2003: B.Sc, Biomedical Engineering (Bio-electrics), Isfahan University, Isfahan, Iran

1995-1999: High School Diploma in “Mathematics and Physics” from NODET (National Organization for Development of Exceptional Talents) Bandarabbas, Iran

Teaching and work experience

Fall 2010: Co-supervisor of an undergraduate thesis entitled: *The neuroanatomy of trauma - hippocampal and amygdala volume in dissociative identity disorder*. King's College University, London, United Kingdom

Summer 2010: Teaching Brain image segmentation techniques to PhD students, King's College University, London, United Kingdom

Summer 2007: Co-supervisor of an undergraduate thesis entitled: *ECG Arrhythmia Detection Using Neural Networks*. Amir Kabir university of Technology, Tehran, Iran

Spring and Summer 2007: Teaching MATLAB Programming to biomedical engineering master students, Amir Kabir university of Technology, Tehran, Iran

2006 – 2007: Head of the R&D section at a biomedical engineering company (CTM Co.), Tehran, Iran.

Grants and awards

David Caul Award in 2010 from the International Society for the Study of Trauma and Dissociation (ISSTD). This Award is given for the best published or non-published paper, thesis, or conference abstract written by a resident or trainee in the field of dissociation and/or trauma.

Master project was supported by Iran Telecommunication Research Center (ITRC), Tehran, Iran

List of Publications

Lappin J.M., Morgan C., **Chalavi S.**, Morgan K.D., Reinders A.A.T.S, Fearon P., Heslin M., Zanelli J., Jones P.B., Murray R.M., Dazzan P. (2013) Hippocampal increase following first episode psychosis is associated with good clinical, functional and cognitive outcomes: Hippocampal plasticity and recovery in psychosis. *Psychological Medicine*.

Schlumpf Y.R., Nijenhuis E.R.S., **Chalavi S.**, Weder E.V., Zimmermann E., Luechinger R., La Marca R., Reinders A.A.T.S., Jäncke L. (2013) Dissociative part-dependent biopsychosocial reactions to backward masked angry and neutral faces: An fMRI study of dissociative identity disorder. *Neuroimage: Clinical* 3:54-64.

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Zivari adab H., Firoozabadi S.M.P., **Chalavi S.**, Maghooli K. (2008) Simulation and Analysis of Needle Electromyogram in Emery-Dreifuss Muscular Dystrophy by using line source model. *Conference Proceeding IEEE Engineering in Medicine & Biology Society*, 338-42.

Oral Presentations

S. Chalavi, E.M. Vissia, M.E. Giesen, A.A.T.S Reinders (2012). Symposium: *Neuroimaging Dissociative Identity Disorder*. The 3rd European conference of European Society of Trauma and Dissociation (ESTD), Berlin, Germany.

S. Chalavi, G.J. Barker, A. Simmons, H. Dijkstra, A.A.T.S. Reinders (2010). *Optimizing MRI data acquisition for Freesurfer and VBM analyses in multi-centre studies*, British Chapter of ISMRM Postgraduate Magnetic Resonance Symposium, Institute of Psychiatry, King's College London.

H. Zivari adab, **S. Chalavi**, S.M.P. Firoozabadi, K. Maghooli (2008). *Simulation of needle Electromyogram in Poliomyelitis using line source model*. 14th Iranian conference on Biomedical Engineering (ICBME2008), Shahed University, Tehran, Iran.

S. Chalavi, M.H. Moradi, H. Zivari adab (2007). *Discrimination between CHF and Normal patients by using linear and nonlinear analyses of HRV*, 13th Iranian conference on Biomedical Engineering (ICBME2007), Sharif University of Technology, Tehran, Iran.

Poster Presentations

S. Chalavi, B. B. Frederick, R. L. Savoy, P. C. Wolk, B. Forester, E. Vissia, A. A. T. S. Reinders (2011). *Cortical thickness and subcortical volumes in dissociative identity and mood disorders*. Human Brain Mapping, Quebec, Canada.

S. Chalavi, G.J. Barker, A.A.T.S. Reinders (2010). *Can a decrease in slice thickness increase the detection of subtle task effects? A pilot fMRI study*. Human Brain Mapping, Barcelona, Spain.

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S. Chalavi, M.H. Moradi (2008). *Detecting Nonlinearity and Chaos in Heart Rate Variability (HRV) Series of Healthy Persons and AF Patients*. 5th Conference of the European Study Group on Cardiovascular Oscillations, Parma, Italy.

M. Azarpour, **S. Chalavi**, S.A. Seyyedsalehi, (2008). *Using RBF neural network and Hermite functions in classification of QRS complexes in order to Arrhythmia detection*. Ehealth & medical ICT Application in IRAN (ehealth2008), Tehran, Iran.

H. Zivari adab, **S. Chalavi**, S.M.P. Firoozabadi, K. Maghooli (2007). *Statistical comparison between features extracted from simulated electromyogram in normal and EDMD situations*. 1st Iranian Data mining conference (IDMC2007), Amirkabir University of Technology, Tehran, Iran.

S. Chalavi, M.H. Moradi (2007). *Comparison Between Nonlinear Features of Heart Rate Variability in Normal and Cardiac Disease Patients*. Iranian conference on Electrical Engineering (ICEE2007), Amirkabir University of Technology, Tehran, Iran.

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