Curriculum Vitae, Last updated: 14/03/2024

# Majid Barekatain



### **Contact Information**

Personal Private Clinic,
Address: No 3, Sarv Building,

North Sheikh Sadoogh Street,

Isfahan, Iran.

Zip code: 8164751994

Phone: +98-31-3664-0229 Cell: +98-913-311-1219

E-mail: <u>barekatain@yahoo.com</u>

majidbarekatain1968@gmail.com

barekatain\_m@icss.ac.ir

Startup CogniSave Health Consultancies LLC,

Address: No 306, Bin Hareb Building,

Salma Ali, Saif bin Hareb Al Muhairi, Al Murar,

Dubai, United Arab Emirates

Phone: +971-559597021

E-mail: ceo@cognisave.com

### Personal Information

Date of Birth: July 11, 1968

Nationality: Iranian
Marital Status: Married
Children: 2 Sons

### **Current Position**



### **CEO of CogniSave**

Cognisave Health Consultancies LLC Dubai, United Arab Emirates



### **Professor of Neuropsychiatry**

Institute for Cognitive Science Studies, Tehran, Iran.

### Education

#### 2007 - 2007 **Observer**

Neuropsychiatry Post-graduate Program

Neuropsychiatry Unit, Royal Melbourne Hospital, The University of Melbourne, Melbourne, Victoria, Australia

### 2000 - 2003 Psychiatry Resident

Psychiatry Residency Program

♠ Department of Psychiatry, School of Medicine, Isfahan University of Medical Sciences, Isfahan City, Isfahan Province, Iran

#### 1987 - 1994 Medical Student

Medical Doctorate Program

School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran

### Career

### 2023 **CEO and Head of Technical Department**

Ongoing & CogniSave Startup

### 2022 Associate Faculty Member

Ongoing Institute for Cognitive Science Studies, Tehran, Iran

### 2014 - 2024 **Professor of Neuropsychiatry**

Department of Psychiatry, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran

### 2008 - 2014 Associate Professor of Psychiatry

Department of Psychiatry, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran

### 2003 - 2008 Assistant Professor of Psychiatry

Department of Psychiatry, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran

#### 2000 - 2003 Psychiatry Resident

Department of Psychiatry, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran

#### 1995 - 2000 Consultant Physician

A Private Office, Isfahan, Iran

### Courses

### 2022 Cognitive Psychology, Postgraduate Program

Ongoing 

Institute for Cognitive Science Studies, Tehran, Iran

2018 - 2024	Neuropsychiatry, Fellowship  Neuropsychiatry Unit, Ayatollah Kashani Hospital, Isfahan University of Medical Sciences, Isfahan, Iran
2018 - 2020	Cognitive Psychology, Postgraduate Program  School of Psychology, University of Isfahan, Isfahan, Iran
2016 Ongoing	Interactive Case-Based Learning Workshops  All Iranian Psychiatric Association
2006 - 2023	Neuropsychiatry and Neuropsychology, Psychiatry, Neurology and Neurosurgery Residency Programs, and Psychology Doctoral Program Department of Psychiatry, School of Medicine, Isfahan University of Medical Sciences
2003 - 2024	Neurobiology of Mood Disorders, Psychiatry Residency Program  Department of Psychiatry, School of Medicine, Isfahan University of Medical Sciences
Experiences	
2020 - 2022	Full Member of the Ethics Committee  School of Medicine, Isfahan University of Medical Sciences
2020 - 2022	Head of Department
2020 Ongoing	Managing Editor of the Journal of Research in Behavioral Sciences  ⚠ Isfahan University of Medical Sciences
2019 - 2023	Full Member of the National Board of Psychiatry  Ministry of Health and Medical Education, Isfahan, Iran
2019 Ongoing	Full Member of the Board of Trustees  Autional Brain Mapping Center, Tehran, Iran
2018 Ongoing	Member of Science and Technology Council  ⚠ National Brain Mapping Center, Tehran, Iran
2018 - 2022	Founder and Chief at Isfahan Cognitive Laboratory

Last updated: 14/03/2024

peer-reviewing

- isfahan Neurosciences Research Center, Isfahan University of Medical Sciences, Isfahan, Iran
- \$ Cognitive Sciences and Technologies Council

## Presurgical Language Brain Mapping with fMRI Scans in Patients with Temporal Lobe Epilepsy Using Verbal Fluency Tasks

Supervisor

- Institute for Cognitive Science Studies
- \$ Institute for Cognitive Science Studies

## 2022 ongoing

Evaluation of initial status and changes in cognitive impairment, visual disturbances, radiological findings, and clinical statement of newly diagnosed patients with Multiple Sclerosis (MS) and Neuromyelitis Optica (NMO) compared with healthy controls during a four-year follow-up, Prospective cohort from April 2022 to March 2026, Kashani Hospital

Co-investigator

- Isfahan Neurosciences Research Center, Isfahan University of Medical Sciences, Isfahan, Iran
- \$ Isfahan University of Medical Sciences, Isfahan, Iran

### **Publications**

2024

The Correlation Between Bipolar Disorder Not Otherwise Specified Progression with Patients' Clinical and Demographic Characteristics

Journal of Preventive Epidemiology. 2024; 9;1:e35234.

Alivand S, Barekatain B, Maracy MR.

2023

The effect of educational intervention based on the Progressively Lowered Stress Threshold extended model on the process of caregiving for people with dementia

Psychogeriatrics. 2023; 23(6): 1019-1026.

Fereshteh Zamani-Alavijeh, Shakiba Zahed, Maryam Emami, Shahrzad

Bazargan-Hejazi, Majid Barekatain, Akbar Hassanzadeh, Ahmad Ali

Eslami.

2023

Application of Functional Near-Infrared Spectroscopy in Apraxia Studies in Alzheimer's Disease: A Proof of Concept Experiment

Journal of Medical Signals and Sensors. 2023; 13(4): 319-322.

Kiarash Azimzadeh, Majid Barekatain, Farinaz Tabibian.

2023

Association between cognitive capacity and metabolic indices in patients with neuropsychiatric disorders

Journal of Education and Health Promotion. 2023 12(1): 292.

Fatemeh Rajabi, Somayyeh Rahimi, Mohammad R Maracy, Majid

Barekatain.

2023

Cognitive problems of Iranian elderly with mild cognitive impairment: A qualitative study for developing a cognitive rehabilitation package

Advances in Cognitive Science. 2023; 25(2): 1-14.

Mohammad Ghaderi Rammazi, Mahgol Tavakoli, Majid Barekatain,

Ahmad Abedi.

2023

Comparison of the Effectiveness of Mindfulness and Schema Therapy with Emotion Efficacy Therapy (EET) on Compassion Satisfaction and Sense of Competence in Caregiving Patients with Dementia

Iranian Journal of Psychiatric Nursing. 2023; 11(2).

Nahid Ramezani, Ilnaz Sajjadian, Gholam Reza Manshaee, Majid

Barekatain.

2023

The Effectiveness of Emotion Efficacy Therapy on Burden and Compassion Fatigue of Caregivers Patients with Dementia

Journal of Isfahan Medical School. 2023; 41(720): 373-381.

Nahid Ramezani, Ilnaz Sajjadian, Gholamreza Manshaee, Majid

Barekatain.

2023

Assessment of intelligence quotient in patients with neuromyelitis optica spectrum disease and multiple sclerosis

Multiple Sclerosis and Related Disorders. 2023; 70:104492.

Fereshteh Ashtari, Navid Manouchehri, Vahid Shaygannejad, Majid

Barekatain, Iman Adibi, Alireza Afshari-Safavi, Neda Ramezani, Arshia

Ghalamkari, Mahdi Barzegar.

2023

The Effectiveness of Emotion Efficacy Therapy on Entrapment, Guiltin Caregivers of the Patients with Dementia

International Journal of Applied Behavioral Sciences. 2023; 10(2): 45-53.

Nahid Ramezani, Ilnaz Sajjadian, Gholam Reza Manshaee, Majid Barekatain.

2022

**Prediction of Cognitive Decline by Behavioral Symptoms in Neuropsychiatric Disorders** 

Iranian Journal of Psychiatry and Behavioral Sciences. 2022; 16(4).

Majid Barekatain, Sona Sadeghpour, Fatemeh Rajabi, Mohammad Reza

Maracy.

## Relationship between cognitive profile and neuroradiographic parameters in patients with idiopathic normal pressure hydrocephalus

Current Journal of Neurology. 2022; 21(3): 178.

Mortazavi S, Jamalipour Soufi G, Rajabi F, Akbaripour S, Maracy MR,

Barekatain M.

2021

## Evaluation of Cognitive Changes and Quality of Life in Patients with Refractory Frontal Lobe Epilepsy before and after Surgery for the Treatment of Epilepsy.

Journal of Isfahan Medical School. 2021 Sep 23;39(633):518-25.

Baratian H, Barekatain M, Ebrahimi A, Ansari-Shahidi M, Mehvari J.

2021

### Outcome of epilepsy surgery in lesional epilepsy: Experiences from a developing country.

Epilepsy & Behavior. 2021; 1;(122):108221.

Habibabadi JM, Moein H, Jourahmad Z, Ahmadian M, Basiratnia R, Zare

M, Fesharaki SS, Badihian S, Barekatain M, Tabrizi N.

2021

### Presurgical Language Mapping in Patients With Intractable Epilepsy: A Review Study.

Basic and Clinical Neuroscience. 2021, 12(2):163.

Karami M, Habibabadi JM, Nilipour R, Barekatain M, Gaillard WD,

Soltanian-Zadeh H.

# Comparison of Design Fluency Test Results among Patients with Parkinson's Disease, Frontotemporal Dementia, and the Control Group.

Advanced Biomedical Research. 2021;10.

Barekatain M, Rajabi F, Ebrahimi A, Maracy MR, Akbaripour S.

2020

## National guidelines for cognitive assessment and rehabilitation of Iranian traumatic brain injury patients

Archives of Iranian medicine. 2020; 23(12): 813-821.

Heshmatollah Ghawami, Seyed Behnam Jazayeri, Azad Sabeti Nowsud, Mahdi Sharif-Alhoseini, Armin Shirvani, Maryam Kheyri, Shayan Abdollah

Zadegan, Nahid Noorian, Fatemeh Mohammadian, Kourosh Karimi Yarandi, Akram Azad, Fariborz Rezaeitalab, Majid Barekatain, Jalal Bakhtiyari, Alireza Moradi, Ahmad Reza Khatoonabadi, Hojjat Allah Haghgoo, Mohammad Reza Gheini, Masoud Khadivi, Morteza Faghih Jouibari, Hamid Reza Khayat Kashani, Zahra Mirzaasgari, Ali Meshkini,

Hassan Haghshenas, Fariborz Samini, Parviz Mohit, Malahat Akbarfahimi, Yadollah Alimohammadi, Pooya Payandemehr, Jalal

Abbaszadeh Ahranjani, Jalil Arabkheradmand, Zahra Vahabi, Mohammad

Arbabi, Hossein Kermanpour, Kavian Ghandehari, Nour-Mohammad Bakhshani, Farhad Motlagh Pirooz, Gholamhossein Ghaedi, Behrooz

Page 7 of 14

Dolatshahi, Seyed Fakhredin Tavakoli, Iraj Vosough, Abbas Amirjamshidi, Javad Hatami, Vafa Rahimi-Movaghar

#### 2020

Comparison of Cognitive Rehabilitation versus Donepezil Therapy on Memory Performance, Attention, Quality of Life, and Depression among Multiple Sclerosis Patients.

Neurology Research International. 2020; 22;2020.

Shahpouri MM, Barekatain M, Tavakoli M, Mirmosayyeb O, Safaei A,

Shaygannejad V.

#### 2020

The epigenetic overlap between obesity and mood disorders: a systematic review. Journal: International Journal of Molecular Sciences.

International Journal of Molecular Sciences. 2020, 21(18):6758.

Gharipour M, Barekatain M, Sung J, Emami N, Sadeghian L, Dianatkhah

M, Sarrafzadegan N, Jahanfar S.

#### 2020

A systematized review of cognitive load theory in health sciences education and a perspective from cognitive neuroscience.

Journal of Education and Health Promotion. 2020;9.

Ghanbari S, Haghani F, Barekatain M, Jamali A.

### 2020

Language representation and pre-surgical language mapping in pediatric epilepsy: A narrative review

Iranian Journal of Child Neurology 2020; 4 (3), 7-18

M Karami, R Nilipour, M Barekatain, WD Gaillard

#### 2020

Cognitive function, memory, and intelligence state in Neuromyelitis optica spectrum disorder patients in Isfahan, Iran

Multiple Sclerosis Journal 2020; 25, 720

RM Dastjerdi, F Ashtari, V Shaigannejad, N Manouchehri, M Barekatain

### 2020

Effect of donepezil on cognitive impairment, quality of life, and depression in multiple sclerosis patients: A randomized clinical trial

International Journal of Preventive Medicine 2020; 11(1), 69

MM Shahpouri, M Barekatain, M Tavakoli, S Badihian, V Shaygannejad

### 2020

Lavender and dodder combined herbal syrup versus citalopram in major depressive disorder with anxious distress: A double-blind randomized trial

Journal of integrative Medicine. 2020; 18(5):409-415.

Firoozeei T, Barekatain M, Karimi M, Zargaran A, Akhondzadeh S,

Rezaeizadeh H

2020

## The Relationship between Aura and Postoperative Outcomes of Epilepsy Surgery in Patients with Mesial Temporal Sclerosis

Advanced in Biomedical Research 2020;9:3.

Zare M, Mehvari Habibabadi J, Moein H, Barekatain M, Basiratnia R,

Tofangsazi L.

2019

## Outcome of lesional epilepsy surgery Report of the first comprehensive epilepsy program in Iran.

Neurology Clinical Practice 2019; 9 (4) 286-295.

Mehvari J, Moein H, Basiratnia R, Badihian S, Zaki B, Manouchehri N, Zare

M, Barekatain M, Rahimian E, Mehvari A, Moein P, Aghakhani Y, Amina S,

Lhatoo S.

2019

## Evaluation of cognitive rehabilitation on the cognitive performance in multiple sclerosis: A randomized controlled trial.

Journal of Research in Medical Sciences 2019; 24:110.

Shahpouri MM, Barekatain M, Tavakoli M, Sanaei S, Shaygannejad V.

2019

# What motivates informal caregivers of people with dementia (PWD): a qualitative study.

BMC Palliative Care 2019; 18:105.

Zahed S, Emami M, Bazargan-Hejaz S, Eslami AA, Barekatain M, Zamani-

Alavijeh F.

2018

# Establishment of a Database for Drug-Resistant Epilepsy, Isfahan Comprehensive Epilepsy Center, Iran

Journal of Isfahan Medical School 2018; 36, No. 48,

Mehvari J, Saba N, BarekatainM, Tabrizi N, Manouchehri N.

2017

# Memory specificity training can improve working and prospective memory in amnestic mild cognitive impairment

Dementia and Neuropsychologia 2017; 11(3)255-261.

Emsaki G, Neshatdoot HT, Tavakoli M, Barekatain M

Predictors for surgical outcome in patients with Tumor-Associated epilepsy

Journal of Isfahan Medical School 2017; 34 (410): 1466-1474

Mehvari-Habibabadi J, Zaki B, Badihian S, Mnuchehri N, Basiratnia

R, Barekatain M, Zare M, Moin H, Mehvari-Habibabadi AA

2017

## Neural correlates of visual confrontation naming in Persian speaking individuals: an fMRI study

Iranian Journal of Radiology 2017; 14(2):e17875.

Khoshkhouy Delshad H, Nilipour R, Barekatain M, Oghabian MA

2016

#### Cognitive rehabilitation in patients with non-amnestic mild cognitive impairment

Journal of Research in Medical Sciences 2016; 21:95.

Barekatain M, Alavirad M, Tavakoli M, Emsaki G, Maracy MR.

2016

### Automatic Diagnosis of Mild Cognitive Impairment Using electroencephalogram Spectral Features.

Journal of Medical Signals and Sensors. 2016; 6(1):25-32.

Kashefpoor M, Rabbani H, Barekatain M

2016

#### Effect of motivational interview on quality of life in patients with epilepsy

Epilepsy and Behavior. 2016; 55:70-74.

Hoseini N, Mokhtari S, Momeni E, Vossoughi M, Barekatain M

2015

## Hippocampal volume and hippocampal angel (a more practical marker) in mild cognitive impairment: a case-control magnetic resonance imaging study

Advanced biomedical research. 2015; 4:192.

Basiratnia R, Amini H, Sharbafchi MR, Maracy M, Barekatain M

2015

### An Iranian normative sample of the color trails test.

Psychology & Neuroscience. 2015; 8(1):75-81.

Tavakoli M, Barekatain M, Emsaki G.

2014

# The relationship between regional brain volumes and the extent of coronary artery disease in mild cognitive impairment.

Journal of Research in Medical Sciences. 2014;19(8):739-745.

Barekatain M, Askarpour H, Zahedian F, Walterfang M, Velakoulis D,

Maracy MR, Jazi MH.

### Coronary artery disease and plasma apolipoprotein E4 in mild cognitive impairment

ARYA Atherosclerosis. 2014;10(5):244-251

Barekatain M, Zahedian F, Askarpour H, Maracy MR, Hashemi M,

Aghaye Ghazvini MR

#### 2014

## Adherence to Published Guidelines for Treatment of Patients with Schizophrenia in a University Hospital, Isfahan, Iran

Journal of Research in behavioral Sciences. 2014;11(6): 510-521.

Barekatain M, Garjani K, Ahmahzadeh GH, Maracy MR

#### 2014

## Cardiac arrest associated with epileptic seizure: a case report with simultaneous EEG and ECG.

Epilepsy and Behaviour Case reports. 2014; 2:145-151.

Mehvari J, Fadaei F, Omidi S, Poorsina M, Najafi M, Gharekhani M,

Beladimoghadam N, Rahimian E, Moein H, Barekatain M, Basiratnia M,

Hashemi Fesharaki SS

#### 2014

## Prevalence of hippocampal morphologic variants between healthy elderly subjects and patients with Alzheimer's disease.

Advanced Biomedical research. 2014 Jan 27;3:59.

👺 Hekmatnia A, Basiratnia R, Koohi R, Barekatain M, Ahrar H, Hekmatnia F,

Ghazavi A.

#### 2014

The effect of antioxidant vitamins E and C on cognitive performance of the elderly with mild cognitive impairment in Isfahan, Iran: a double blind, randomized, placebo-controlled trial

European Journal of Nutrition. 2014;53(5):1255-62.

Alavi Naeini AM, Elmadfa I, Djazayery A, Barekatain M, Aghaye Ghazvini

MR, Djalali M, Feizi A

### 2013

## The effect of chronic periodontitis on serum levels of tumor necrosis factor-alpha in Alzheimer disease

Dental research journal. 2013; 11(5):549-552.

Farhad SZ, Amini S, Khalilian A, Barekatain M, Mafi M, Barekatain M

#### 2013

## **Educational Needs Assessment for Psychiatry Residents to prevent Suicide: A Qualitative Approach**

International Journal of Preventive Medicine. 2013 Oct;4(10):1200-5.

Barekatain M, Aminoroaia M, Samimi SM, Rajabi F, Attari A

#### 2013

### Factors associated with readmission of patients at a university hospital psychiatric ward in iran

Psychiatry Journal. 2013; 685625

Barekatain M, Maracy MR, Hassannejad R, Hosseini R

#### 2014

Aftercare services for patients with severe mental disorder: a randomized controlled trial.

Journal of Research in Medical Sciences 2014; 19(30):240.

Barekatain M, Maracy MR, Rajabi, F, Baratian H.

#### 2012

## Functional magnetic resonance imaging (fMRI) in functional gastrointestinal disorders (Review).

Journal of Research in behavioral Sciences. 2012; 9(5): 1-8.

Barekatain M

#### 2011

### Cognitive impairments in patients with intractable temporal lobe epilepsy.

Journal of Research in Medical Sciences. 2011; 11: 1466-1472.

Tavakoli M, Barekatain M, Neshat Doust HT, Molavi H, Kormi Nouri R,

Moradi A, Mehvari J, Zare M

#### 2011

## Converting three general-cognitive function scales into Persian and assessment of their validity and reliability.

International Journal of Preventive Medicine. 2011; 2:82-87.

Moin P, Khalighinejad N, Yusefi A, Farajzadegan Z, Barekatain M

#### 2011

### Preparation, validity, and reliability of the Persian version of "Quality of Life in Epilepsy Ouestionnaire".

Iranian Journal of Psychiatry and Clinical Psychology. 2011; 17:35-43.

Ebrahimi A, Barekatain M, Najafi MR, Salaehzadeh M, Maracy

#### 2011

## Outcome of single manic episode in bipolar I disorder: a six-month follow up after hospitalization.

Journal of Research in Medical Sciences. 2011; 16:56-62.

Barekatain M, Khodadadi R, Maracy MR.

#### 2011

### Electroconvulsive therapy in single manic episode: A case series.

The African Journal of Psychiatry. 2011; 14(1):56-9.

Mohammadbeigi H, Alizadegan S, Barekatain M

2010

Validity and reliability of the Persian language version of the Neuropsychiatry Unit Cognitive Assessment Tool.

Dementia and Geriatric Cognitive Disorders. 2010; 29:516-22.

Barekatain M, Walterfang M, Behdad M, Tavakkoli M, Mahvari J, Maracy

MR, Velakoulis D

2010

## Psychometric Properties of the Persian Version of the Neuropsychiatry Unit Cognitive Assessment Tool (NUCOG) in Patients with Dementia

Iranian Journal of Psychiatry and Clinical Psychology 2010; 16(1): 14-20.

Barekatain M, Behdad M, Tavakkoli M, Mahvari J, Maracy MR, Walterfang

M, Velakoulis D

2009

### Risk factors of postpartum depression in rural areas of Isfahan Province. Iran.

Archives of Iranian Medicine 2009; 12(5): 461-7.

Kheirabadi GR, Maracy MR, Barekatain M, Salehi M, Sadri G, Kelishadi M,

Cassy P

2009

# Knowledge of attitude toward experience and satisfaction with electroconvulsive therapy in a sample of Iranian patients.

The journal of ECT 2009; 25(2):106-12.

A Malekian, Z Amini, MR Maracy, M Barekatain

2008

### Bifrontal versus bitemporal electroconvulsive therapy in severe manic patients.

The journal of ECT 2008; 24(3):199-202.

M Barekatain, L Jahangard, M Haghighi, F Ranjkesh

2008

#### **Emotional Quotient in Women who had Attempted Suicide by Poisoning.**

Iranian Journal of Psychiatry and Clinical Psychology 2008; 14(2): 69-

175.

Majid Barekatain, Mahgol Tavakkoli, Hamid Taher Neshatdoost

2008

## Exercise test interpretation in patients with major depressive disorder: are specific considerations needed?

Journal of Research in Behavioral Sciences 2008; 6(1): 7-15.

Majid Barekatain, Motahare Mirdamadi, Azade Malekian, Hashem Hojjat

## A Study of Factor Structure of the Mood Disorder Questionnaire in a Sample of Iranian Pregnant Women.

Iranian Journal of Psychiatry and Behavioral Sciences 2008; 2(2): 30-34.

Majid Barekatain, Mohammad Reza Maracy, Gholam Reza

Kheirabadi

2006

## Tramadol versus methadone for the management of acute opioid withdrawal:an add -on study

Journal of Research in Medical Sciences. 2006; 11(3):185-189.

M salehi, M Amanatkar, M Barekatain.

2005

## Bifrontal versus right unilateral and bitemporal electroconvulsive therapy in major depressive disorder

The journal of ECT 2005; 21(4): 207-210.

Ranjkesh, M Barekatain, S Akouchakian

2005

### Amitriptyline efficacy in control of acute opioid withdrawal syndrome

Koomesh. 2005; 7(1):194-201.

M Salehi, A Mirkhalaf, M Barekatain

2003

## The rate of clinical response of oral loading sodium valproate in acutely manic patients (Persian)

Research in Medical Sciences. 2003; 8(4):25-29.

Shafiee K, Barekatain M, Bashardoost N, Mahmoudi J