

Supplementary Table 2. Characteristics of the Included Studies

Author (Year of Publication)	Journal	Purpose of Biomarker	Imaging Type	Tesla (T)	Segmentation	Number of Patients (Training:Test)	External Validation	Open Source Dataset
Rajeesh et al. (2012)	Asian Biomedicine	Diagnostic	MRI	3.0	Automatic	279 (185:85)	No	ADNI
Oppedal et al. (2015)	International Journal of Biomedical Imaging	Prognostic	MRI	1.5	Automatic	146 (no test)	No	NA
Martinez-Torteya et al. (2015)	Journal of Medical Imaging	Prognostic	MRI	1.5 & 3.0	Automatic	62 (no test)	No	ADNI
Ranjbar et al. (2019)	Journal of Neuropsychiatry and Clinical Neurosciences	Diagnostic	MRI	3.0	Manual	173 (no test)	No	ADNI
Gao et al. (2018)	Metabolic Brain Disease	Diagnostic	MRI	1.5	Automatic	299 (no test)	No	ADNI
López-Gómez et al. (2018)	Diagnostics	Diagnostic	MRI	3.0	Manual	105 (no test)	No	ADNI
Feng et al (2018)	Frontiers in Neurology	Diagnostic	MRI	3.0	Manual	122 (70:30)	No	NA
Maani et al. (2015)	PLoS ONE	Prognostic	MRI	1.5	Automatic	60 (no test)	No	OASIS
Vaithinathan et al. (2019)	Journal of Neuroscience Methods	Prognostic	MRI	1.5	Automatic	812 (AD vs. NC-186:230; AD vs. MCI-186:399; NC vs. MCI-226:397; cMCI vs. MCIInc-164:232)	No	ADNI
Hwang et al. (2016)	Medical Physics	Diagnostic	MRI	3.0	Automatic	54 (no test)	No	NA
De Oliveira et al. (2010)	American Journal of Neuroradiology	Diagnostic	MRI	2.0	Manual	49 (no test)	No	NA
Zhang et al. (2011)	Brain Imaging and Behavior	Prognostic	MRI	3.0	Manual	34 (20:14)	No	NA
Ben Bouallegue et al (2018)	Brain Imaging and Behavior	Diagnostic, prognostic	PET		Automatic	760 (no test)	No	ADNI
Rohini et al. (2019)	Computer Methods and Programs in Biomedicine	Diagnostic	MRI	3.0	Automatic	233 (no test)	No	ADNI
Li et al. (2019)	Therapeutic Advances in Neurological Disorders	Diagnostic	PET		Automatic	466 (140:60, external test 44)	Yes	ADNI
Feng et al. (2018)	Frontiers in Aging Neuroscience	Diagnostic	MRI	3.0	Automatic	116 (no test)	No	NA
Feng et al. (2019)	Frontiers in Aging Neuroscience	Diagnostic	MRI	3.0	Automatic	86 (60:26)	No	NA
Zhou et al. (2019)	Frontiers in Neuroscience	Prognostic	MRI, PET	1.5 & 3.0	Automatic	263 (184:79)	No	ADNI
Hett et al. (2018)	Computerized Medical Imaging and Graphics	Prognostic	MRI	1.5	Automatic	800 (no test)	No	ADNI
Chaddad et al. (2018)	IEEE Access	Diagnostic	MRI	1.5	Automatic	235 (no test)	No	OASIS
Achterberg et al. (2019)	Neurobiology of Aging	Prognostic	MRI	1.5	Automatic	510 (no test)	No	NA
Sørensen et al. (2015)	Human Brain Mapping	Diagnostic, prognostic	MRI	1.5	Automatic	466 (no test)	No	ADNI
Lee et al. (2019)	Journal of Psychiatry & Neuroscience	Prognostic	MRI	3.0	Automatic	460 (266:194)	No	ADNI
Tozer et al. (2018)	Stroke	Prognostic	MRI	1.5	Automatic	175 (no test)	No	NA
Freeborough et al. (1998)	IEEE Transactions on Medical Imaging	Diagnostic	MRI	1.5	Semiautomatic	64 (30:34)	No	NA
Hongming et al. (2018)	Alzheimer's and Dementia	Prognostic	MRI	1.5 & 3.0	Automatic	2146 (803:1343)	No	ADNI

AD = Alzheimer's disease, ADNI = Alzheimer's Disease Neuroimaging Initiative, cMCI = converted mild cognitive impairment, MCI = mild cognitive impairment, MCIInc = mild cognitive impairment non-converters, NA = not applicable, NC = normal control, OASIS = Open Access Series of Imaging Studies