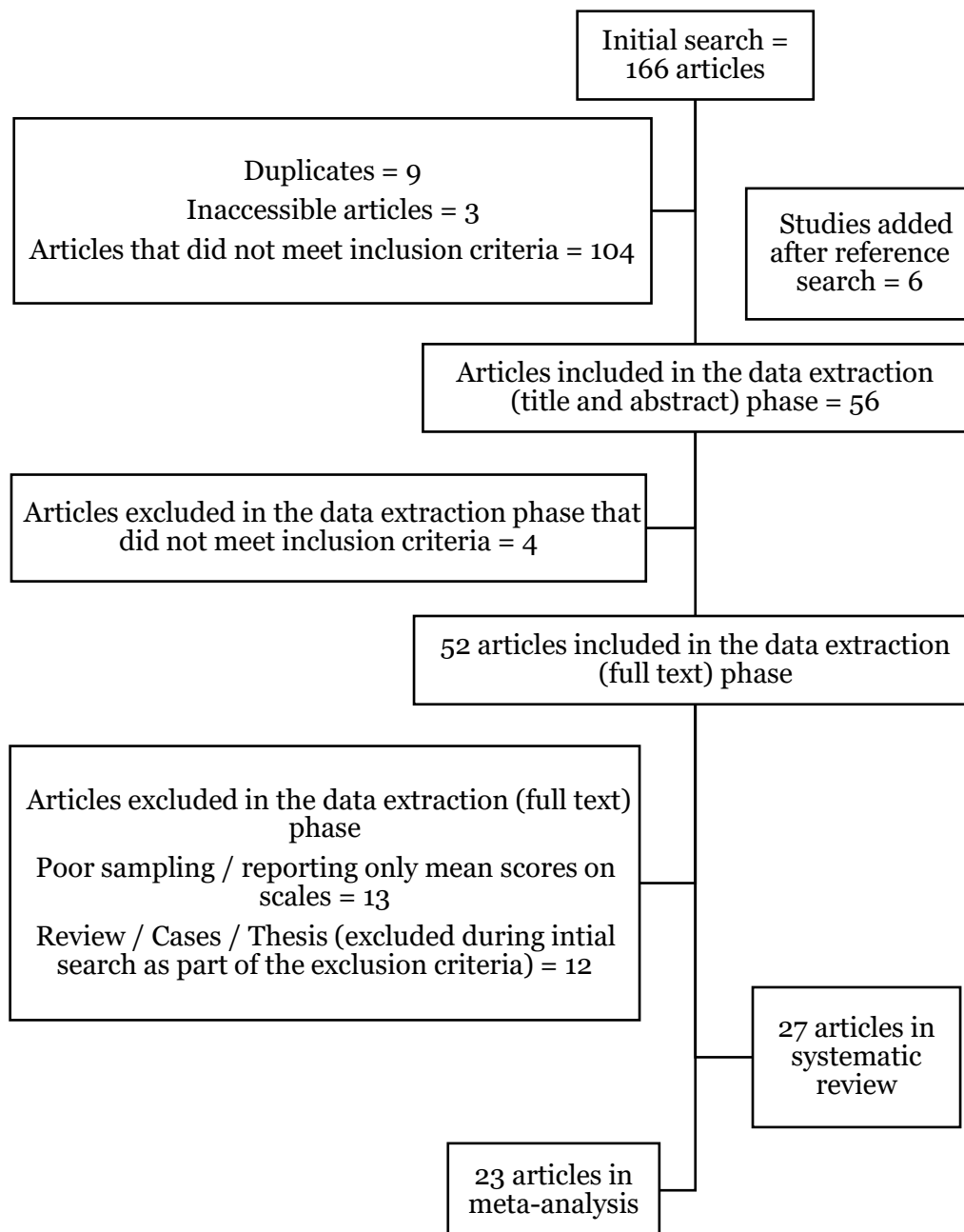


## SUPPLEMENTARY MATERIAL



**Supplementary Figure 1:** The PRISMA flow diagram describing the systematic review process

**Supplementary Table 1: Characteristics of studies included for the current systematic review on the global south**

Author (year)	Country	Study design	Sampling Method	Age range (in years)	Sample Size	Screening Tool	Positive case, n (%)	Time since injury
Hoofien et al. (2001) <sup>45</sup> *	Israel	Cross-sectional	Convenience	23-62	76 F = 13 M = 63	SCL-90-R, PTSD Inventory	Depression = 34 (45.3%); Anxiety = 33 (43.8%); OCD = 23 (29.7%); PTSD (n = 68) = 7 (10.3%)	Mean = 14.1 years
Groswasser et al (2018) <sup>51</sup> *	Israel	Cross-sectional	Convenience	18-68	128 F = 32 M = 96	HADS	Depression = 85 (66.4%) Anxiety = 81 (63.3%)	3 months - 15 years
Fakharian et al. (2015) <sup>50</sup> *	Iran	Cross-sectional	Convenience	15-65	286 F = 58 M = 228	BSI (short version of the SCL-90-R)	Depression = 55 (19%)	NA
Shafiei et al. (2016) <sup>54</sup> *	Iran	Case-control	Convenience	15-65	50 F = 20 M = 80	BSI (short version of SCL-90-R)	OCD = 21 (42%); Depression = 17 (34%); Anxiety = 18 (36%);	NA
Ramezani et al. (2018) <sup>53</sup> *	Iran	Longitudinal	Convenience	18-65	146 F = 33 M = 113	HADS MMSE PTSDWDS	Anxiety = 43(29.45%); Depression = 20(13.69%); Cognitive decline = 73(50%) TBI-SD = 51 (34.93%)	6 months
Chabok et al. (2012) <sup>49</sup> *	Iran	Cross-sectional	Convenience	18-65	60 F = 5 M = 55	MMSE	Global Cognitive decline = 18 (30%)	Mean = 1 week
Rezaei et al. (2014) <sup>52</sup> *	Iran	Longitudinal	Convenience	18-85	155 NA	Clinical impression based on DSM-IV GHQ-28	Anxiety = 31 (20%); Mood disorder = 50 (32.26%); TBI-SD = 30 (19.34%)	4 months
Al-Adawi et al. (2007) <sup>37</sup> *	Oman	Cross-sectional	Convenience	22-50	68 F=21 M=47	CIDI	Anxiety: 34 (50%) Depression: 39 (57.4%)	Mean = 18.2
Al-Adawi et al. (2004) <sup>43</sup> *	Oman	Cross-sectional	Convenience	26-35	80 F=27 M=53	CIDI	Depression: 37 (46.3%)	Mean = 8.3 months
Fourtassi et al. (2011) <sup>65</sup>	Morocco	Cross-Sectional	Convenience	64-18	42 F = 5 M = 37	PCL	PCS = 23 (54.8%)	Mean = 15 months
Panwar et al. (2019) <sup>46</sup> *	India	Cross-Sectional	Convenience	< 40 vs >40	228 F=47 M=181	MoCA	Global cognitive decline =191(83%)	NA
Devi et al. (2020) <sup>44</sup> *	India	Cross-Sectional	Consecutive	19-67	50 F=12 M=38	MMSE NPI-Q	Cognitive decline: 18 (36%); Depression: 12 (24%); Anxiety: 9 (18%);	NA
Dade et al. (2019) <sup>48</sup> *	India	Prospective	Convenience	15-45	187 F=23 M=164	MINI PLUS	Depression = 36 (19.3%) Anxiety = 18 (9.6%) PTSD = 15 (8%) OCD = 1 (0.5%)	3 months
Sharma et al. (2015) <sup>47</sup> *	India	Cross-Sectional	Convenience	18-70	204 F=45 M=159	GAD-7	Anxiety: 24 (11.76%)	NA
Singh et al. (2021) <sup>64</sup> *	India	Cross-Sectional	Convenience	0-80	134 F=48 M=86	MMSE	Global cognitive decline = 76 (56.7%);	NA
Nyidol et al. (2017) <sup>66</sup>	India	Cross sectional	Convenience	NA	100 F=12 M=88	Overt Aggression Scale	Aggression: 55 (55%)	NA
Jain et al. (2014) <sup>63</sup> *	India	Cross-Sectional	Convenience	18-70	204 F=42 M=162	ISI, PHQ-9	TBI-SD: 82 (40.2%) Depression: 67 (32.84%)	1 year
Keshavan et al. (1981) <sup>55</sup> *	India	Cross-sectional	Random	15-55	60 F=5 M=55	Semi-structured interview	Depression = 2 (3%)	3 months
Seth et al. (2021) <sup>67</sup>	India	Cross-sectional	NA	30-55	30 F=0 M=30	Rey-Osterrieth Complex Figure Test (ROCFT) Symbol Digit Modality Test (SDMT)	ROCFT = 31.7 ± 3.21 SDMT = 45.7 ± 1.2	NA
Sinha et al. (2013) <sup>56</sup> *	India	Cross-sectional	Consecutive	20-46	77 F=10 M=67	Postgraduate Institute Memory Scale	Global Cognitive decline = 45 (58.5%)	1 year
Varghese et al. (2018) <sup>62</sup> *	India	Cross-sectional	Consecutive	18-60	154 F=102 M=52	Hamilton Rating Scale for Depression	Depression = 111 (72%)	>3 months

Madaan et al. (2021) <sup>57</sup> *	India	Cross-sectional	Convenience	6–16 years	74 F=22 M=52	Children's Sleep Habits Questionnaire	TBI-SD = 6 (12.3%)	3 months
Dhakal et al. (2022) <sup>58</sup> *	Nepal	Prospective	Consecutive	18–73	97 F=20 M=77	DASS	Depression = 30 (31.3%) Anxiety = 9 (9.4%) Stress = 19 (19.8%)	NA
Sameh et al. (2021) <sup>61</sup> *	Tunisia	Cross-sectional	All patients	Above 15	50 F=10 M=40	MMSE HADS	Global cognitive decline = 24 (48%) Depressive symptoms = 32 (64%), Anxiety symptoms = 20 (40%)	NA
Bedaso et al. (2018) <sup>68</sup>	Ethiopia	Cross sectional	All patients	Above 18	275 F=114 M=161	Rivermead Post-Concussion Symptoms Questionnaire	Post-concussion syndrome = 114 (41.5%)	1 week — 1 month
Nuhu & Yusuf (2012) <sup>59</sup> *	Nigeria	Cross-sectional	All patients	NA	75 F=7 M=68	Clinical impression based on ICD-10 and DSM-IV	Observational based Global Cognitive decline = 25.3% (n=19) Depression = 5 (6.7%)	NA
Bangirana et al. (2019) <sup>60</sup> *	Uganda	Prospective cohort	NA	1–69	171 F = 29 M = 142	Cogstate computer-administered neuropsychological test battery PCL-C Self-Reporting Questionnaire (depression)	Neurocognitive impairment = 49 (28.4%), PTSD = 75 (43.9%), Depression = 95 (55.4%)	6 months

*\*studies have been included in the meta-analysis; All studies were conducted in the hospital setting; NA = Not available; SCL-90-R = Symptom checklist 90, revised; PTSD = Post Traumatic stress disorder; GSI = Global Severity Index; SF-36 = 36-Item Short Form Health Survey; HADS = Hospital Anxiety and Depression Scale; BSI = Brief Symptom Inventory; TBI-SD = TBI-related sleep disturbances; OCD = Obsessive compulsive disorder; EF = Executive function; MMSE = Mini-Mental State Exam; PTSWDS = Post-Traumatic Sleep-Wake Disturbances Scale; PSQI = Pittsburgh sleep quality index; ISI = insomnia severity index; ESS = Epworth sleepiness scale; DSM-IV = Diagnostic and statistical manual of mental disorders; GHQ-28 = General Health Questionnaire; DASS = Depression, anxiety, stress scale; CIDI = Composite International Diagnostic Interview; PCS = Post Concussive Symptoms; PCL = Problem Checklist from New York Head Injury Family Interview; MoCA = Montreal Cognitive Assessment; NPI-Q = Neuropsychiatric inventory questionnaire; MINI PLUS = Mini-International Neuropsychiatric Interview; GAD-7 = General Anxiety Disorder-7; ROCFT = Rey-Osterrieth Complex Figure Test; SDMT = Symbol Digit Modality Test; PHQ-9 = Patient health questionnaire – 9; ICD-10 = International Classification of Diseases; PCL-C = PTSD Checklist – Civilian Version.*