

TABLE 1: Clinical characteristics of recruited participants

(A) Prospective Symptom Assessment Cohort – TBI patients					
ID	Sex	Age range at assessment	Time since injury (months)	Mechanism of injury	Medications
P1*	M	30-39	7	Fall/Assault	<i>nil</i>
P2*	F	17-19	8	Fall	Vit D
P3	M	20-29	7	RTA	Vit D, Vit B12
P4*	M	20-29	8	Fall	Propranolol, terbinafine, sumatriptan PRN, Vit D
P5	M	20-29	20	RTA	Salbutamol INH, citalopram, codyramol PRN
P6	M	20-29	20	Assault	Vit D
P7	M	40-49	19	RTA	<i>nil</i>
P8	F	40-49	13	Fall	Sertraline
P9	M	40-49	27	RTA	Citalopram, Vit D
P10	M	40-49	22	Fall	<i>Nil</i>
P11	M	40-49	23	Fall	Clonazepam, esomeprazole, lactulose PRN, paracetamol
P12	M	20-29	12	<i>nk</i>	<i>nil</i>
P13	M	20-29	37	Sport	Paracetamol
P14*	M	40-49	6	Seizure	Lamotrigine, folate, thiamine, Vit B12, paracetamol, codeine PRN, sertraline
P15*	F	40-49	6	RTA	<i>nil</i>
P16	M	20-29	7	Fall	Dihydrocodeine PRN
P17*	M	50-59	6	Object	Ondansetron, paracetamol
P18	F	30-39	21	RTA	Thyroxine
P19*	F	70-79	72	RTA	Sertraline, atorvastatin, melatonin, omeprazole, oxybutynin, Adcal D3, trimethoprim, paracetamol, cinnarizine
P20	F	40-49	25	RTA	<i>nil</i>
P21*	M	17-19	21	Fall	<i>nil</i>
P22*	M	70-79	6	Fall	Apixaban, thyroxine
P23*	M	50-59	103	RTA	Valproate, levetiracetam, clobazam, phenofibrate, rosuvastatin, B12

P24	M	30-39	13	Assault	Vit D
P25	M	70-79	22	Fall	Levetiracetam, Lacosamide, rivaroxaban, aspirin, bisoprolol, atorvastatin, Vit D, Vit B12
P26	M	40-49	105	<i>nk</i>	Tramadol, fluxetone, Fostair, carbocystine, fexofenadine, beclomethasone, montelukast, salbutamol
P27*	M	40-49	81	Fall	Sertraline, melatonin
P28*	M	30-39	10	RTA	Co-dydramol, ocular lubricant, paracetamol, potassium bicarb + potassium chloride
P29*	F	30-39	6	Fall	Amitriptylline
P30	M	30-39	64	Assault	Codeine PRN
P31*	F	50-59	12	RTA	Amitriptylline
P32	F	50-59	26	Fall	Amitriptylline, propranolol, paracetamol, ramipril, amlodipine
P33*	M	30-39	38	Assault	Sertraline
P34*	M	20-29	6	RTA	Over the counter "painkillers" PRN
P35	M	30-39	66	RTC	<i>Nil</i>
P36	M	50-59	299	RTC	Lamotrigine, oxybutynine
P37	M	50-59	9	Object hit head	<i>Nil</i>
P38	F	70-79	11	RTC	Quinine, aciclovir, pregabalin
P39*	M	17-19	8	RTC	<i>Nil</i>

*indicates participants who also answered the Subjective Rating of General Health Status question

(B) Prospective Symptom Assessment Cohort – non-TBI Controls			
ID	Sex	Age range at assessment	Medications
C1	F	40-49	<i>Nil</i>
C2	M	50-59	<i>Nil</i>
C3	M	20-29	<i>Nil</i>
C4	F	20-29	<i>Nil</i>
C5	F	20-29	Sertraline
C6	F	20-29	<i>Nil</i>
C7	F	20-29	Combined oral contraceptive pill

C8	M	20-29	Duloxetine
C9	M	20-29	<i>Nil</i>
C10	F	20-29	Vitamin D, zinc, fish oil supplements
C11	F	20-29	<i>Nil</i>
C12	M	20-29	Vitamin D
C13	M	20-29	<i>Nil</i>
C14	F	30-39	Combined oral contraceptive pill
C15	F	30-39	Iron supplements, multivitamins, Vitamin B
C16	F	30-39	<i>Nil</i>
C17	F	30-39	<i>Nil</i>
C18	F	30-39	<i>Nil</i>
C19	F	30-39	Combined oral contraceptive pill, Vitamin D, multivitamins, probiotics
C20	M	30-39	<i>Nil</i>
C21	M	30-39	<i>Nil</i>
C22	M	30-39	<i>Nil</i>
C23	M	40-49	Naproxen, Codeine
C24	M	40-49	<i>Nil</i>
C25	F	40-49	<i>Nil</i>
C26	F	40-49	<i>Nil</i>
C27	M	40-49	<i>Nil</i>
C28	F	50-59	<i>Nil</i>
C29	F	50-59	<i>Nil</i>
C30	M	50-59	<i>Nil</i>
C31	F	30-39	<i>Nil</i>
C32	M	50-59	<i>Nil</i>
C33	F	50-59	<i>Nil</i>
C34	F	50-59	<i>Nil</i>
C35	M	60-69	<i>Nil</i>
C36	F	60-69	<i>Nil</i>

C37	F	60-69	<i>Nil</i>
C38	M	60-69	<i>Nil</i>
C39	M	60-69	<i>Nil</i>
C40	M	60-69	Multivitamins, Vitamin D
C41	M	40-49	<i>Nil</i>
C42	M	60-69	<i>Nil</i>
C43	M	60-69	<i>Nil</i>
C44	M	70-79	<i>Nil</i>

(C) Retrospective Autonomic Function Testing Cohort						
ID	Sex	Age range at injury (time since injury in months)	Age range at assessment (length of symptoms in months)	Mechanism of injury	Symptoms leading to referral	Medications (not stopped for testing)
R1	F	30-39 (309)	60-69 (20)	Fall off bike	Dizziness, presyncope, tinnitus, problems with focussing vision, episodic severe photosensitivity	Salbutamol INH
R2	M	20-29 (416)	60-69 (47)	RTA	Unsteady, dizziness, "problems with vision", falls with LOC, nausea	Carbamazepine, Levetiracetam, Pregabalin, Clopidogrel, Atorvastatin, Clobazam, Vitamin D
R3	M	20-29 (20)	20-29 (17)	RTA	LOC episodes with tunnel vision, no seizure indicators	<i>Nil</i>
R4	F	20-29 (44)	30-39 (44)	RTA	Constipation, headaches, poor sleep, dizziness and lightheaded, urinary frequency and urgency, temperature dysregulation and flushes on wakening	Thyroxine, Venlafaxine, OCP, Ferrous Fumarate, Cholecalciferol, Rizatriptan, Laxido, Flunarizine

R5	M	30-39 (159)	40-49 (105), 40-49 (127)	<i>nk</i>	Collapse with LOC on standing but not meals (thoroughly investigated for seizures), headaches	Tramadol PRN, Ibuprofen PRN, codydramol PRN, paroxetine
R6	F	30-39 (123)	40-49 (123)	RTA	Collapses, sometimes with headache after	<i>Nil</i>
R7	F	50-59 (41)	50-59 (41)	RTA	Anhidrosis, pain and headache, frequent falls with occasional LOC, poor balance, nausea on standing, alternating constipation/ diarrhoea, poor short-term memory	<i>Nil</i>
R8	F	10-19 (35)	20-29 (35)	<i>nk</i>	Dizziness and lightheaded on standing, palpitations and chest pain, panic attacks - all worsened on standing/exertion, constipation	Omeprazole, gabapentin, paracetamol, mebeverine, Oramorph PRN
R9	M	10-19 (65)	20-29 (65)	RTA	Easy, and painful erections (urological investigations normal)	<i>Nil</i>
R10	F	10-19 (314)	40-49 (38)	RTA	Hyperhidrosis, presyncope while standing, dizziness when hot and standing, dry mouth and eyes	Amitripylline, cocodamol, gabapentin, omeprazole, ocybutynin, tramadol, venalfaxin
R11	M	40-49 (46)	50-59 (46)	RTA	Cold hands and feet, increased IBS symptoms, dizziness (persisting though diminished after vestibular manoeuvres)	Laxido
R12	M	20-29 (50)	30-39 (14)	RTA	Always cold, episode of sweating in hands and feet, dizziness when sitting	Quetiapine, clonazepam, fexofenadine, fluticasone, beclomethasone, valproate, Vit D, sildeafil, fluoxetine, salbutamol
R13	M	30-39 (137)	40-49 (137)	RTA	Hyperhidrosis, nocturia, excessive thirst, constipation, dizziness and visual disturbance when standing, occasional posture-related palpitations	Codeine, lefopramine, beconase, valproate, symbicort INH, fluticasone INH, salbutamol INH, sodium valproate, ibuprofen

R14	F	40-49 (2)	40-49 (2)	RTA	Two episodes of collapse with LOC (with normal EEG and cardiac investigations)	<i>Nil</i>
R15	M	30-39 (36)	39-39 (36)	<i>nk</i>	Fatigue, anosmia/ ageusia, LOC with rapid recovery but possible seizure activity noted on two episodes, memory/ cognition deficits	<i>Nil</i>
R16	M	40-49 (33)	40-49 (33)	Assault	Constantly feeling cold, R leg has temperature sensory deficit	<i>Nil</i>
R17	M	30-39 (150)	40-49 (150)	Fall	Lightheaded on standing	Paracetamol PRN
R18	M	40-49 (194)	50-59 (194)	RTA	Erectile dysfunction, nocturia and some incontinence, postural lightheadedness, profuse exertional upper body sweating, falls with LOC and syncope markers	Carbamazepine, Clonidine (started for sweating), Calcichew D3

KEY : *nk* = not known, RTA = road traffic accident, EEG = electroencephalogram, LOC = loss of consciousness, INH = inhaler, PRN = as required medication. Note that age decades are given for anonymisation purposes.

¹ carried out in conjunction with autonomic tests due to symptoms