



Topic	Item	Checklist item description	Reported on Line
Title	1	The diagnosis or intervention of primary focus followed by the words "case report"	Page 1
Key Words	2	2 to 5 key words that identify diagnoses or interventions in this case report, including "case report" ...	P 1
Abstract (no references)	3a	Introduction: What is unique about this case and what does it add to the scientific literature? TBI, QEEG, Li-TMS	P 2
	3b	Main symptoms and/or important clinical findings Personalized neuro-modulation, QEEG, TBI	P 1
	3c	The main diagnoses, therapeutic interventions, and outcomes Li-TMS, QEEG, SMR	P 1
	3d	Conclusion—What is the main "take-away" lesson(s) from this case? individualized, QEEG-guided TMS	P 1
Introduction	4	One or two paragraphs summarizing why this case is unique (may include references) QEEG-guided TMS	P 2 and 3
Patient Information	5a	De-identified patient specific information. 33 years old male athlete	P 3 and 5
	5b	Primary concerns and symptoms of the patient headaches, short-term memory difficulties	P 3
	5c	Medical, family, and psycho-social history including relevant genetic information past medical history	P 3
	5d	Relevant past interventions with outcomes	N-A
Clinical Findings	6	Describe significant physical examination (PE) and important clinical findings. Balance instability	P 4
Timeline	7	Historical and current information from this episode of care organized as a timeline	N-A
Diagnostic Assessment	8a	Diagnostic testing (such as PE, laboratory testing, imaging, surveys) CT scan - QEEG	P 6-5
	8b	Diagnostic challenges (such as access to testing, financial, or cultural)	N-A
	8c	Diagnosis (including other diagnoses considered) Chronic TBI, bilateral vestibular	P 4
	8d	Prognosis (such as staging in oncology) where applicable	N-A
Therapeutic Intervention	9a	Types of therapeutic intervention (such as pharmacologic, surgical, preventive, self-care) Li-TMS	P 6
	9b	Administration of therapeutic intervention (such as dosage, strength, duration) 12 sessions - Beta one	P 6
	9c	Changes in therapeutic intervention (with rationale) Site changed every 4 session	P 6
Follow-up and Outcomes	10a	Clinician and patient-assessed outcomes (if available) QEEG	P 7-8
	10b	Important follow-up diagnostic and other test results Post-intervention QEEG	P 7-8
	10c	Intervention adherence and tolerability (How was this assessed?)	P 6
	10d	Adverse and unanticipated events	N-A
Discussion	11a	A scientific discussion of the strengths AND limitations associated with this case report Single case design	P 10
	11b	Discussion of the relevant medical literature with references	P 9-12
	11c	The scientific rationale for any conclusions (including assessment of possible causes)	P 9-10
	11d	The primary "take-away" lessons of this case report (without references) in a one paragraph conclusion	P 11
Patient Perspective	12	The patient should share their perspective in one to two paragraphs on the treatment(s) they received	P 6, 12
Informed Consent	13	Did the patient give informed consent? Please provide if requested	Yes ☐ No ☐

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