

an international study, consisted of 36 multiple-choice and Likert scale questions.

**Results:** The majority of respondents emphasised the importance of further educational opportunities related to ECT, seeing it as a safe, effective, and possibly lifesaving procedure. Most of them benefited from ECT training during their residency, however less than a half had the opportunity to administer ECT themselves. They exhibited an interest to introduce ECT into their therapeutic repertoire, depending on the provision of requisite financial and infrastructural support.

**Conclusions:** There is a palpable eagerness among early career psychiatrists in Poland to enhance their proficiency in ECT. A robust curriculum, encompassing both theoretical discourse and hands-on ECT training, is paramount for all psychiatry trainees. Concurrently, there is a pressing need to formulate national ECT guidelines within Poland, which could potentially ameliorate apprehensions surrounding this procedure.

**Disclosure of Interest:** None Declared

## EPV0855

### Exploring the Landscape of Psychosurgery in Low and Middle-Income Countries: A Scoping Review Protocol

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**Introduction:** Psychosurgical procedures gained an infamous reputation during the 20th century with the implementation of the lobotomy as treatment for several psychiatric illnesses. However, modern-day psychosurgery is a flourishing field that provides valid treatment alternatives to neuropsychiatric patients thanks to increasingly accurate and safe stereotactic procedures. As more than 80% of people with mental disorders reside in Low and Middle Income Countries (LMICs), investigating the impact of psychosurgical procedures has a global relevance. People living in LMICs are exposed to a variety of stressors which could facilitate the development of psychiatric and neurological diseases. The immense gap that still exists between the population of LMICs and adequate medical and surgical care is an important obstacle to the reduction of global mental health burden. A scoping review will be conducted to investigate the extent of the existing literature and identify key themes, challenges and research gaps on the implementation and outcomes of psychosurgery in LMIC settings.

#### Objectives:

- **To comprehensively map the existing literature:** Provide an extensive overview of the literature on the use of psychosurgery in low and middle-income countries.
- **To identify key themes:** Recognize recurring themes and topics within the literature related to psychosurgery in these settings.
- **To assess challenges:** Analyze the challenges and barriers associated with the implementation of psychosurgery in resource-constrained contexts.
- **To identify research gaps:** Highlight areas within the existing literature where further research is needed to enhance our understanding of psychosurgery in low and middle-income countries.

**Methods:** The methodology consists of five stages, consistent with Arksey and O'Malley's framework. Using the PICO model, the Research Question, Inclusion/Exclusion Criteria and search methods were developed. Electronic Medical Databases (Medline OVID, Cochrane Library, Embase, PubMed, Scopus) will be searched for relevant studies. The PRISMA-ScR framework is used to guide the reporting process. Quantitative and Qualitative data will be extracted, including key information such as study type, demographics and methods used to assess the outcomes of psychosurgical interventions. Data will be presented discursively, supported with statistics and graphs where appropriate. No ethical approval is required.

**Results:** /

**Conclusions:** The results will be useful to healthcare professionals in LMICs involved in neuropsychiatric care, evaluating the current uses of psychosurgery and their potential benefit for the affected population whilst highlighting gaps in knowledge with the aim of propelling further research.

**Disclosure of Interest:** None Declared

## EPP0057

### Transcranial Magnetic Stimulation-induced Mania: A Risk Worth Taking?

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**Introduction:** In the context of treatment-resistant bipolar depression, the use of neuromodulation techniques, notably transcranial magnetic stimulation (TMS), has been on the rise, particularly in the treatment of mood disorders. TMS involves the generation of a strong pulsed magnetic field through an electromagnet placed near the skull, thereby inducing an electrical field capable of depolarizing nerve cell membranes (Dolberg et al., 2001). The magnetic nature of TMS carries advantages compared to direct electric stimulation, such as fewer side effects, reduced invasiveness, and precise targeting. Nevertheless, it is not without its risks. Reported concerns include the induction of manic or hypomanic states, particularly in individuals with bipolar disorder, as well as unipolar depression (Sakkas et al., 2003; Ozten et al., 2013; Knox et al 2021).

**Objectives:** This review aims to assess the safety and viability of TMS as a therapeutic option and how to best optimize its clinical use.

**Methods:** A comprehensive literature review was conducted utilizing resources from Pubmed, Researchgate, and Google Scholar.

**Results:** Despite some inconsistencies and potential confounding factors, our findings suggest that TMS may not significantly elevate the risk of manic switching, especially when compared to conventional treatments like antidepressants. However, it may potentially induce manic episodes, particularly when used as monotherapy or in combination with other treatments. Variables such as treatment protocol and prior response to medication may contribute to mood switching risk. Proposed safety measures include personalized protocol design, close patient monitoring and the combination with mood-stabilizing medication.

**Conclusions:** Transcranial magnetic stimulation has been associated with manic and hypomanic episodes in mood disorder patients. While the evidence remains limited, it appears that certain