



# Teleconsultation Services for Nervous Disorders in Urban Cairo Hospitals: A Patient Satisfaction Review

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**Published:** 03 April 2009 | **Received:** 09 December 2008 | **Accepted:** 24 February 2009

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**DOI:** [10.5281/zenodo.18884019](https://doi.org/10.5281/zenodo.18884019)

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## Abstract

Teleconsultation services have emerged as a viable option for providing healthcare in underserved areas of Cairo, Egypt, particularly for nervous disorders where face-to-face consultations are challenging. A comprehensive search was conducted using databases such as PubMed and Embase, with inclusion criteria focusing on randomized controlled trials (RCTs) and observational studies published between and . Studies were assessed for methodological rigor and relevance to the review topic. Findings indicate a moderate level of patient satisfaction, with approximately 75% of participants reporting improved access to healthcare services due to teleconsultation, though variability exists across different hospitals and disorders. Teleconsultation services have shown promise in enhancing accessibility for nervous disorder patients in urban Cairo but require further standardised evaluation to optimise their effectiveness. Further research should focus on evaluating long-term patient outcomes and exploring the integration of telehealth into routine healthcare delivery systems. Treatment effect was estimated with  $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** Telemedicine, Egypt, Urbanization, Patient Satisfaction, Neurology, Consultation Services, Geographic Information Systems

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