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Efficacy and Safety of Botulinum Toxin in Treatment of Anismus: A Systematic Review

Sameh Hany Emile, Hossam Ayman Elfeki, Hosam Ghazy Elbanna, Mohamed Youssef, Waleed Thabet, Tito M Abd El-Hamed, Basem Said, Ahmed Lotfy

## Abstract

Aim: This review aimed to evaluate the efficacy and safety of botulinum toxin type A (BTX- A) in the management of patients with anismus.

Methods: An organized search of published literature was conducted using electronic databases including: PubMed/Medline, and Cochrane Central Register of Controlled Trials, also an internet-based search using "Google Scholar" service was conducted. Both comparative and observational studies were included. We excluded irrelevant articles, editorials, case reports, reviews, and meta-analyses. The studies that followed the patients less than six months were excluded. Variables collected were demographic data of the patients, technique of BTX- A injection and number of sessions, short-term and long-term clinical improvement, post-injection changes in EMG, defecography,

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