



Survey of Effect Peppermint on Pyloric Spasm in Children During Endoscopy

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Introduction:

Gastrointestinal Endoscopy is as a diagnosis and treatment of gastrointestinal diseases in children. Due to severe response and spastic in the muscles of the digestive tract is created during endoscopy, endoscopy is often face with difficult. The aim of this study is to evaluate peppermint impact in pyloric spasm in children undergo endoscopy.

Material and Methods:

In this clinical trial study, 120 children (under 14 years old) in Ghaem hospital that Pyloric spasm during endoscopy were randomly divided into two groups, peppermint (n=60) and control (n=60) respectively. Case group receive peppermint and control group receive placebo. Data were analyzed using SPSS version 11.5 and descriptive and analytical tests (T-test, Corraletion, Mann-Whitney).

Results:

Pyloric sphincter stayed open in 48.3% of peppermint group patients and 5% of control group (P<0.000). The mean time to endoscopy in peppermint group (9/301+0/351) and control group was (10/149+0/337) and this difference was significant. Pyloric spasm in peppermint group duration less than 60 seconds and in control group at 60% of them, more than 60 seconds.

Conclusion:

Peppermint could reduce endoscopy duration in children and increase endoscopic team satisfaction and decrease pyloric spasm.

Key words: Pyloric spasm, Endoscopy, Peppermint

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