

## INTISARI

### **TEMUAN RADIOLOGIS *HIRSCHSPRUNG ASSOCIATED ENTEROCOLITIS* (HAEC) PASCA PROSEDUR OPERASI SOAVE DAN DUHAMEL DI RSUP DR. SARDJITO**

*Agitha Swandaru Rastaputra<sup>1</sup>, Andi Dwihantoro<sup>2</sup>, Gunadi<sup>2</sup>*

*<sup>1</sup>Mahasiswa program sarjana kedokteran, Fakultas Kedokteran, Universitas Gadjah Mada, Yogyakarta, Indonesia*

*<sup>2</sup>Divisi Bedah Anak, Bagian Ilmu Bedah, Fakultas Kedokteran Universitas Gadjah Mada, RSUP dr. Sardjito, Yogyakarta, Indonesia*

**Latar Belakang:** *Hirschsprung Associated Enterocolitis* (HAEC) adalah komplikasi dari Penyakit Hirschsprung yang memiliki angka morbiditas dan mortalitas yang paling tinggi. Walaupun telah dilakukan terapi definitif, tetap bisa terjadi komplikasi HAEC. Untuk mencegah morbiditas dan mortalitas, dibutuhkan diagnosis HAEC sedini mungkin menggunakan skor Delphi. Skor Delphi terdiri dari komponen klinis, radiologis, dan laboratorium. Temuan radiologis meliputi dilatasi lumen usus, *multiple air-fluid levels*, *cutoff sign*, *pneumatosis intestinalis*, dan *sawtooth appearance*.

**Tujuan:** Penelitian ini bertujuan untuk mengetahui temuan radiologis pasca prosedur operasi Soave dan Duhamel serta mengetahui perbandingan proporsi temuan radiologis pasca prosedur operasi Soave dan Duhamel.

**Metode:** Pengambilan data berupa data sekunder dilakukan di Instalasi Catatan Medik RSUP Dr. Sardjito. Data berasal dari rekam medis pasien dengan Penyakit Hirschsprung yang telah dilakukan prosedur operasi Soave atau Duhamel.

**Hasil:** Tidak ada perbedaan yang signifikan antara temuan dilatasi lumen usus, *multiple air-fluid level*, *cutoff sign*, *pneumatosis intestinalis*, dan *sawtooth appearance* pasca prosedur operasi Soave dengan Duhamel.

**Kesimpulan:** Tidak ada perbedaan proporsi temuan radiologis *Hirschsprung Associated Enterocolitis* yang signifikan pada pasca prosedur operasi Soave dengan Duhamel.

**Keyword:** Hirschsprung Associated Enterocolitis, Temuan Radiologis, Soave, Duhamel

## ABSTRACT

### THE RADIOLOGICAL FINDINGS OF HIRSCHSPRUNG ASSOCIATED ENTEROCOLITIS (HAEC) IN POSTOPERATIVE PATIENT WITH SOAVE AND DUHAMEL PROCEDURE AT RSUP DR. SARDJITO

Agitha Swandaru Rastaputra<sup>1</sup>, Andi Dwihantoro<sup>2</sup>, Gunadi<sup>2</sup>

<sup>1</sup>Undergraduate student in Faculty of Medicine, Gadjah  
Mada University, Yogyakarta, Indonesia

<sup>2</sup>Sub-division of Pediatric Surgery, Division of  
Surgery, Faculty of Medicine, Gadjah Mada University,  
RSUP dr. Sardjito, Yogyakarta, Indonesia

**Background:** Hirschsprung Associated Enterocolitis (HAEC) is a complication of Hirschsprung's Disease with highest morbidity and mortality rate. Although definitive therapy has been performed, HAEC could still be found. Early diagnosis of HAEC using Delphi Score is needed. Delphi Score consist of clinical, radiological, and laboratorical findings. The radiological findings are dilated bowel, multiple air-fluid levels, cutoff sign, pneumatosis intestinalis, dan sawtooth appearance.

**Objective:** The aim of this study is to find out radiological findings post Soave and Duhamel procedure and to find out the proportion of radiological findings between post Soave procedure and post Duhamel procedure.

**Method:** The data is secondary, taken from Instalasi Catatan Medik RSUP Dr. Sardjito in the form of medical records of patients with Hirschsprung's Disease who have undergo Soave or Duhamel procedure.

**Result:** There is no significant difference between findings of dilated bowel, multiple air-fluid levels, cutoff sign, pneumatosis intestinalis, and sawtooth appearance post Soave surgical procedure and Duhamel surgical procedure.

**Conclusion:** There is no significant proportions of radiological findings for Hirschsprung Associated Enterocolitis post Soave and Duhamel procedure.

**Keywords:** Hirschsprung Associated Enterocolitis, Radiological findings, Soave, Duhamel.