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## Evaluation of intestinal damage caused by *V. cholerae* O139: An *in vivo* study

Chandrika Murugaiah<sup>1,2</sup>, Nik Zuraina Nik Mohd Noor<sup>2</sup>, Shyamoli Mustafa<sup>3</sup>, Ravichandran Manickam<sup>3</sup> and Lalitha Pattabhiraman<sup>3</sup><sup>1</sup>Universiti Malaysia Sabah, Malaysia<sup>2</sup>Universiti Sains Malaysia, Malaysia<sup>3</sup>AIMST University, Malaysia

Cholera, a severe form of gastroenteritis, is one of the most widespread diseases in developing countries. The mechanism of intestinal infection caused by *V. cholerae* O139 remains unclear. In order to explore some morphological aspects of its infection in the intestine including Peyer's patches, we investigated the *V. cholerae* O139 infection at intestinal site of the rabbit gut-loop model. The electron microscopic analysis revealed denuded mucosal surface with loss of microvilli and integrity of the surface epithelium. Infection of the intestine with *V. cholerae* O139 induces destruction of villi, microvilli and lining epithelium with exposure of crypts of Lieberkuhn.

### Biography

Chandrika Murugaiah completed her graduation at Universiti Malaysia Sabah, Malaysia.

chandri20@yahoo.co.uk

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