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

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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.

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