

promotoren: prof.dr. M.A. Cuesta
prof.dr. M.A. Boermeester

copromotor: dr. H.B.A.C. Stockmann

TABLE OF CONTENTS

Chapter 1	Introduction, aim and outline of the thesis	9
Part I	Aetiology. Colonic microbiome and mucosal changes in patients with diverticulosis and diverticulitis	
Chapter 2	Gut mucosa and microbiota analysis in diverticulosis. Not different from a control population <i>Submitted</i>	19
Chapter 3	Fecal microbiome analysis as a diagnostic test for diverticulitis <i>Eur J Clin Microbiol Infect Dis. 2014 Nov;33(11):1927-3</i>	33
Part II	Current classification and management of diverticulitis	
Chapter 4	Review of current classifications for diverticular disease and a translation into clinical practice <i>Int J Colorectal Dis. 2012 Feb;27(2):207-14. Review</i>	55
Chapter 5	Management of diverticulitis. Results of a survey among gastroenterologists and surgeons <i>Colorectal Dis. 2011 Dec;13(12):e411-7</i>	73
Chapter 6	Rational imaging: Suspected left sided diverticulitis <i>BMJ 2013. Feb 27;346</i>	89
Chapter 7	Non-operative treatment of diverticulitis. NSAID use, ASA classification and abscess formation predict failure rates <i>Submitted</i>	97
Part III	Treatment of diverticulitis with antibiotics	
Chapter 8	Use of antibiotics in uncomplicated diverticulitis <i>Br J Surg. 2011 Jun;98(6):761-7</i>	111
Chapter 9	Mild colonic diverticulitis can be managed without antibiotics. A case-control study <i>Colorectal Dis. 2012 Mar;14(3):325-3</i>	127
Chapter 10	A multicenter randomized clinical trial investigating the cost-effectiveness of treatment strategies with or without antibiotics for uncomplicated acute diverticulitis (DIABOLO trial) <i>BMC Surgery. 2011 jul 20; 10:23</i>	143

Chapter 11	A Randomized Clinical Trial of Observational versus Antibiotic Treatment for A First Episode of Uncomplicated Acute Diverticulitis <i>Submitted</i>	161
Chapter 12	Overtreatment of sigmoid diverticulitis: plea for a less aggressive approach <i>Dig Dis. 2012;30(1):86-9. Review</i>	197
Chapter 13	Summery, general discussion and future perspectives	211
Appendices	Samenvatting in het Nederlands	221
	List of publications	227
	Dankwoord	232
	Curriculum Vitae	237