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**Clinical evaluation of technical developments in CT colonography**

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## List of Publications

Liedenbaum MH, **de Vries AH**, Gouw CI, van Rijn AF, Bipat S, Dekker E, Stoker J. CT colonography with minimal bowel preparation: evaluation of tagging quality, patient acceptance and diagnostic accuracy in two iodine-based preparation schemes. *Eur Radiol* 2009 August 26.

Jensch S, Bipat S, Peringa J, **de Vries AH**, Heutinck A, Dekker E, Baak LC, Montauban van Swijndregt AD, Stoker J. CT colonography with limited bowel preparation: prospective assessment of patient experience and preference in comparison to optical colonoscopy with cathartic bowel preparation. *Eur Radiol* 2009 July 23.

Liedenbaum MH, van Rijn AF, **de Vries AH**, Dekker HM, Thomeer M, van Marrewijk CJ, Hol L, Dijkgraaf MG, Fockens P, Bossuyt PM, Dekker E, Stoker J. Using CT colonography as a triage technique after a positive faecal occult blood test in colorectal cancer screening. *Gut* 2009 September;58(9):1242-9.

**de Vries AH**, Liedenbaum MH, Bipat S, Truyen R, Serlie IW, Cohen RH, van Elderen SG, Heutinck A, Kesselring O, de MW, te SL, Wiersma T, Stoker J. Primary uncleaned 2D versus primary electronically cleansed 3D in limited bowel preparation CT-colonography. Is there a difference for novices and experienced readers? *Eur Radiol* 2009 August;19(8):1939-50.

Liedenbaum MH, **de Vries AH**, Halligan S, Bossuyt PM, Dachman AH, Dekker E, Florie J, Gryspeerdt SS, Jensch S, Johnson CD, Laghi A, Taylor SA, Stoker J. CT colonography polyp matching: differences between experienced readers. *Eur Radiol* 2009 July;19(7):1723-30.

**de Vries AH**, Jensch S, Liedenbaum MH, Florie J, Nio CY, Truyen R, Bipat S, Dekker E, Fockens P, Baak LC, Stoker J. Does a computer-aided detection algorithm in a second read paradigm enhance the performance of experienced computed tomography colonography readers in a population of increased risk? *Eur Radiol* 2009 April;19(4):941-50.

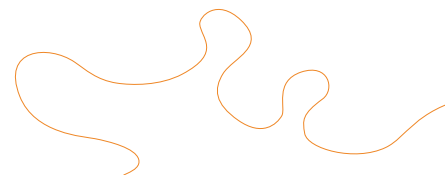
Serlie IW, **de Vries AH**, van Vliet LJ, Nio CY, Truyen R, Stoker J, Vos FM. Lesion conspicuity and efficiency of CT colonography with electronic cleansing based on a three-material transition model. *AJR Am J Roentgenol* 2008 November;191(5):1493-502.

**de Vries AH**, Venema HW, Florie J, Nio CY, Stoker J. Influence of tagged fecal material on detectability of colorectal polyps at CT: phantom study. *AJR Am J Roentgenol* 2008 October;191(4):1101.

Jensch S, **de Vries AH**, Pot D, Peringa J, Bipat S, Florie J, van Gelder RE, Stoker J. Image quality and patient acceptance of four regimens with different amounts of mild laxatives for CT colonography. *AJR Am J Roentgenol* 2008 July;191(1):158-67.

van Wijk C, Florie J, Nio CY, Dekker E, **de Vries AH**, Venema HW, van Vliet LJ, Stoker J, Vos FM. Protrusion method for automated estimation of polyp size on CT colonography. *AJR Am J Roentgenol* 2008 May;190(5):1279-85.

Jensch S, **de Vries AH**, Peringa J, Bipat S, Dekker E, Baak LC, Bartelsman JF, Heutinck A, Montauban van Swijndregt AD, Stoker J. CT colonography with limited bowel preparation: performance characteristics in an increased-risk population. *Radiology* 2008 April;247(1):122-32.



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**de Vries AH**, Truyen R, van der PJ, Florie J, van Gelder RE, Gerritsen F, Stoker J. Feasibility of automated matching of supine and prone CT-colonography examinations. *Br J Radiol* 2006 September;79(945):740-4.

### Other publications

**de Vries AH**, van Gelder RE, Stoker J. 3D Imaging: Invaluable for the Correct Diagnosis? In: Lefere P., Grijspeerdt S. editor. *Virtual Colonoscopy, a Practical Guide* 1<sup>st</sup> and 2<sup>nd</sup> ed. Springer Berlin Heidelberg: 2005 and 2010 ISBN 978-3-540-22865-3/ 978-3-540-79879-8

**de Vries AH**, Vos FM, Serlie IWO, Stoker J. Unfolded Cube Projection of the Colon. In: Neri E, Caramella D, Bartolozzi C, editor. *Image Processing in Radiology*. 1<sup>st</sup> ed. Springer Berlin Heidelberg: 2008 ISBN 978-3-540-25915-2