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#### ACCEPTED MANUSCRIPT

# Association Between Concentrations of Hemoglobin Determined by Fecal Immunochemical Tests and Long-term Development of Advanced Colorectal Neoplasia

Esmée J. Grobbee<sup>1</sup>, Eline H. Schreuders<sup>1</sup>, Bettina E. Hansen<sup>1</sup>, Marco J. Bruno<sup>1</sup>, Iris Lansdorp-Vogelaar<sup>2</sup>, Manon C.W. Spaander<sup>1</sup>, Ernst J. Kuipers<sup>1</sup>.

Departments of Gastroenterology and Hepatology<sup>1</sup>, and Public Health<sup>2</sup>. Erasmus MC University Medical Centre, Rotterdam, The Netherlands

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**ABBREVIATIONS:** AN, advanced neoplasia; BCO, below the cut-off; CI, confidence interval; CRC, colorectal cancer; <sub>f</sub>Hb, fecal hemoglobin; FIT, fecal immunocemical test; FPR, false positivity rate; gFOBT, guaiac fecal occult blood test; HR, hazard ratio; IQR, inter quartile range; OR, odds ratio.

#### **CORRESPONDENCE:**

Manon C.W. Spaander

Department of Gastroenterology and Hepatology (room Hs-312)

Erasmus University Medical Centre

's Gravendijkwal 230, 3015 CE Rotterdam, The Netherlands

Telephone: +31 (0) 10 7035643

Fax: +31 (0) 10 7035172

E-mail: v.spaander@erasmusmc.nl

**DISCLOSURES:** nothing to disclose.

**AUTHOR CONTRIBUTIONS:** Conceived idea for the study: E.J. Grobbee and E.J. Kuipers; E.J. Grobbee, M.C.W. Spaander and E.J. Kuipers designed and conceptualized the study; Supervised execution of the study was done by M.C.W. Spaander and E.J. Kuipers; Responsible for data entry was E.J. Grobbee; Analysis and interpretation of data was done by E.J. Grobbee, E.H. Schreuders, B.E. Hansen, I. Lansdorp-Vogelaar, E.J. Kuipers. E.J. Grobbee drafted the manuscript. E.H. Schreuders, I. Lansdorp-Vogelaar, B.E. Hanssen, M.J. Bruno, M.C.W. Spaander and E.J. Kuipers provided critical revision of the manuscript for important intellectual content.

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