

World Endoscopy Organization
Colorectal Cancer Screening Committee
Expert Working Group 'FIT for Screening'

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Barcelona

Friday 23 October 2015
10:15 – 12:00 noon

Chair: Professor Ernst Kuipers



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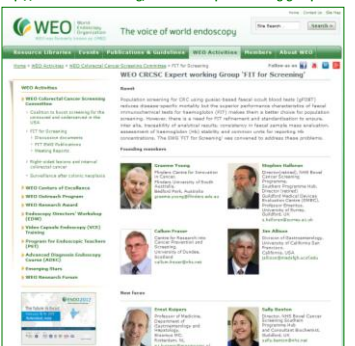
The EWG 'FIT for Screening' remit

Population screening for CRC using guaiac-based faecal occult blood tests (gFOBT) reduces disease-specific mortality but **the superior performance characteristics of faecal immunochemical tests for haemoglobin (FIT) makes them a better choice for population screening**. However, there is a **need for FIT refinement and standardisation** to ensure, *inter alia*, traceability of analytical results, consistency in faecal sample mass evaluation, assessment of haemoglobin (Hb) stability and common units for reporting Hb concentrations. The EWG 'FIT for Screening' was convened to address these problems.

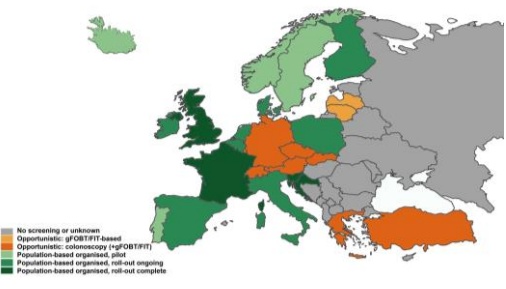
<http://www.worldendo.org/wco-crcsc-expert-working-group-fit-for-screening.html>

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Our web pages: <http://www.worldendo.org/wco-crcsc-expert-working-group-fit-for-screening.html>



Global overview of Colorectal cancer screening



Schreuders E et al. Gut 2015

EWG 'FIT for Screening' Past meetings



<http://www.worldendo.org/wco-crcsc-expert-working-group-fit-for-screening.html>

EWG-related FIT Publications

- Allison JE, Fraser CG, Halloran SP, Young GP. Comparing faecal immunochemical tests: improved standardization is needed. *Gastroenterology* 2012;142(3):422-4.
- Fraser C, Halloran S, Allison J, Young G. Population screening for colorectal cancer means getting FIT. The past, present, and future of colorectal cancer screening using FIT. *Gut and Liver* 2014;8:117-30.
- Allison JE, Fraser CG, Halloran SP, Young GP. Quality Indicators and Benchmarks for Guideline-Recommended Faecal Occult Blood Tests. In: Shaubert A, Allen JJ, editors. *Colorectal Cancer Screening*. Springer New York; 2015. p. 65-79.
- Benton S, Seaman H, Halloran S. Faecal Occult Blood Testing for Colorectal Cancer Screening: The Past or the Future. *Current Gastroenterology Reports* 2015;17(2):1-9.
- Carroll MRR, Piggott C, Pearson S, Seaman HE, Halloran SP. Evaluation of quantitative faecal immunochemical tests for haemoglobin. Guilford, UK: Guilford Medical Device Evaluation Centre (GMDC), November 2013.
- Fraser C, Halloran S, Allison J, Young G. Making colorectal cancer screening FITTER for purpose with quantitative faecal immunochemical tests for haemoglobin (FIT). *Clinical Chemistry and Laboratory Medicine* 2013;51(11):2065-7.
- Fraser CG, Allison JE, Halloran SP, Young GP. A proposal to standardize reporting units for faecal immunochemical tests for hemoglobin. *J Natl Cancer Inst* 2012;104(11):810-4.
- Fraser CG, Allison JE, Young GP, Halloran S. Newer faecal tests: opportunities for professionals in laboratory medicine. *Clinical Chemistry* 2012;58(5):563-5.
- Fraser CG, Allison JE, Young GP, Halloran SP, Seaman HE. A Standard for Faecal Immunochemical Tests for Haemoglobin Evaluation Reporting (FITTER) (Letter). *Annals of Clinical Biochemistry* 2014;51(2):301-2.
- Fraser CG, Allison JE, Young GP, Halloran SP, Seaman HE. Improving the reporting of evaluations of faecal immunochemical tests for haemoglobin: the FITTER standard and checklist. *European Journal of Cancer Prevention* 2014. Epub 27 February 2014.
- Fraser CG, Allison JE, Young GP, Halloran SP. Quantitation of Haemoglobin Improves Faecal Immunochemical Tests for Noninvasive Screening. *Clinical Gastroenterology and Hepatology* 2013;11(7):839-40.
- Halloran SP. Screening: Colorectal cancer screening - insights and challenges. *Nature Reviews Gastroenterology & Hepatology* 2014;11(10):586-7.
- Young GP, Fraser CG, Halloran SP, Cole S. Guaiac based faecal occult blood testing for colorectal cancer screening: an obsolete strategy? *Gut* 2012;61(7):959-60.
- Young GP, Seaman C, Mandel JS, Allison JE, Atkin WS, Borsariy P, et al. Recommendations for a step-wise comparative approach to the evaluation of new screening tests for colorectal cancer. (Publication pending.)
- Young GP, Symonds EL, Allison JE, Cole SR, Fraser CG, Halloran SP, et al. Advances in faecal occult blood tests – the FIT revolution. *Digestive Diseases and Sciences* 2015;60(3):609-22. <http://www.worldendo.org/wco-crcsc-expert-working-group-fit-for-screening.html>

8th Meeting of the CRCSC EWG 'FIT for Screening'
Friday 23 October 2015, 10:15 – 12:00 noon
This morning's Agenda

- 10:15 Welcome & Introduction, Ernst Kuipers, Professor of Medicine, Erasmus MC, Rotterdam, NL
- 10:20 The FIT Pilot in England
Stephen Halloran, former Director of the NHS Bowel Cancer Screening Southern Programme Hub, Guildford, UK
- 10:35 Development of an improved artificial matrix
Oliver Devey, University Hospitals Birmingham NHS Foundation Trust
- 10:45 Uptake, quantitative values and PPV of FIT by socioeconomic level in Barcelona
Andreea Burdón, Preventive Medicine Physician, Hospital del Mar, Barcelona
- 10:55 The performance of FIT using the "HM-JACore" analyser to triage asymptomatic patients
Josep Maria Aude, Department of Biochemistry and Molecular Genetics, Hospital Clinic de Barcelona
- 11:05 Preparation for population-based colorectal cancer screening in Iceland
Sunna Guðlaugsdóttir, Consultant Gastroenterologist, The Icelandic Cancer Society
- 11:15 A method to select FIT cut-off concentration
Jayne Digby, Scottish Bowel Screening Research Unit, University of Dundee
- 11:25 Investigation into the background of CRC patients discovered by FIT screening, 2000-2013 in Ibaraki, Japan
Yoko Saito, Ibaraki Medical Center, Mito, Ibaraki, Japan
- 11:35 Participation, CRC detection, interval cancers and FIT results over three rounds of screening in the Basque Country
Isabel Portillo, Programme Manager, Colorectal Detection Programme, Bilbao, The Basque Country
- 11:45 Combined study for gastric and colorectal cancer screening (GSTAR) and the potential of FIT use in gut microbiome testing.
Marcis Leja, Faculty of Medicine, University of Latvia
- 11:55 Closing remarks