



FIT EWG summary

WEO FIT for Screening Expert Working Group

Oct 27, 2017

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FIT EWG; Summary

- FIT analytical standardization
 - IFCC group set up to address analytical issues including standardization and quality assurance schemes
- Impact of hemoglobin variants on FIT detection
 - Tested approx 20 Hb variants on 4 FIT analyzers
 - The majority of Hb variants do not impact FIT results
- The risk of upper GI cancer in FIT-positives with negative colonoscopy
 - 1 per 1367 subjects
 - Similar to risk in FIT-negatives and FIT-positives with positive colonoscopy
 - Upper GI endoscopy not recommended in FIT-positives with neg colonoscopy



FIT EWG; Summary

- Colonoscopy vs FIT for surveillance after removal of low-risk adenomas
 - Participation 3x higher with FIT surveillance
 - Only 1 CRC detected <5 yr interval in 2.133 subjects
- FIT in combination with a plasma protein algorithm
 - Develop algorithm for colonoscopy referral
 - Based on age, FIT level, and plasma protein profile, ctDNA, nucleosomes, metabolomes
 - Work in progress
- First and second round FIT in The Netherlands
 - 1.4 million subjects aged 55 – 75 years
 - Participation 73%
 - Positivity rate 6.1, resp 4.5%
 - PPV for advanced neoplasia 55, resp 42%
 - 67% of CRCs stage I-II disease
 - 1 fatal complication in 47.000 colonoscopies

