TITLE: Genetic Testing for Hereditary Non-Polyposis Colorectal Cancer: Diagnostic Accuracy and Reliability

DATE: 30 September 2008

RESEARCH QUESTION:

What is the diagnostic accuracy and reliability of performing genetic testing for the detection of hereditary non-polyposis colorectal cancer?

METHODS:

We contacted ECRI’s hotline service to request information on genetic testing for hereditary non-polyposis colorectal cancer. The ECRI document is attached, and the systematic review and observational study references and abstracts they identified are included below.

Supplemental searches for reports from Canadian health technology assessment agencies were performed, along with European sources including University of York Centre for Reviews and Dissemination (CRD) databases and the National Institute for Clinical Excellence (NICE).

RESULTS:

ECRI provided the following document, which is a guide to the available evidence on the topic with context about the evidence provided by ECRI. It is based solely on a review of the article abstracts, not an analysis of full published articles.

Hotline response:

References and abstracts from systematic reviews and observational studies identified by ECRI are included below. Some additional information contained in the ECRI report is included in the appendix. One systematic review and nine observational studies were identified on genetic testing for hereditary non-polyposis colorectal cancer. One health technology assessment (HTA) was identified in the supplemental search. No randomized controlled trials (RCTs) were identified.

HTIS reports are organized so that the higher quality evidence is presented first. Therefore, HTAs, systematic reviews, and meta-analyses are presented first. These are followed by RCTs and observational studies.

**Health technology assessments**


**Systematic reviews and meta-analyses**


**Randomized controlled trials**

No literature identified

**Observational studies**


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APPENDIX – FURTHER INFORMATION:

Clinical practice guidelines


Observational studies


Review articles


