Human Papillomavirus (HPV) testing in cervical screening: a systematic review and clinical practice guideline

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Background and Methods

Ontario, Canada prepared to launch a province-wide organized cervical screening program. There was a need for updated guidance on whom to test and how often, and primary screening test.

Methods: systematic review and meta-analysis of rates of detection of high and low grade lesions; expert consensus.
Key results and recommendations

- **HPV testing:**
  - Detected significantly more high grade lesions in the earlier screening round.
  - Had a higher negative predictive value.
  - Also detected more lower grade lesions.

**Recommendations:** HPV testing as the primary screen for women in Ontario. Further recommendations contained in a testing algorithm.