

## Electronic Screening Tool for Lynch syndrome (LS)

### Personal and Family Cancer History Questionnaire Logic:

1. Have you or a close family members ever been diagnosed with colon or rectal cancer?

If yes:

- 1a. Were you and/or your family member(s) diagnosed under age 50?

If yes:

- 1b. Please select those who have been diagnosed with colon/rectal cancer

Self (3); Father/Mother (3); Brother/Sister (3); Son/Daughter (3)

Maternal:

Grandfather/Grandmother (2); Uncle/Aunt (2); Nephew/Niece (2); Half Brother/Sister (2)

Paternal:

Grandfather/Grandmother (2); Uncle/Aunt (2); Nephew/Niece (2); Half Brother/Sister (2)

If no:

- 1c. Please select those who have been diagnosed with colon/rectal cancer

Self (2); Father/Mother (2); Brother/Sister (2); Son/Daughter (2)

Maternal:

Grandfather/Grandmother (2); Uncle/Aunt (2); Nephew/Niece (2); Half Brother/Sister (2)

Paternal:

Grandfather/Grandmother (2); Uncle/Aunt (2); Nephew/Niece (2); Half Brother/Sister (2)

2. Have you or a close family members ever been diagnosed with endometrial (uterine) cancer?

If yes:

- 2a. Were you and/or your family member(s) diagnosed under age 50?

If yes:

- 2b. Please select those who have been diagnosed with endometrial (uterine) cancer

Self (3); Mother (3); Sister (3); Daughter (3)

Maternal:

Grandmother (2); Aunt (2); Niece (2); Half Sister (2)

Paternal:

Grandmother (2); Uncle/Aunt (2); Nephew/Niece (2); Half Sister (2)

If no:

- 2c. Please select those who have been diagnosed with endometrial (uterine) cancer

Self (2); Mother (2); Sister (2); Daughter (2)

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Maternal:

Grandmother (2); Aunt (2); Niece (2); Half Sister (2)

Paternal:

Grandmother (2); Uncle/Aunt (2); Nephew/Niece (2); Half Sister (2)

3. Have you or any close family been diagnosed with any of the following cancers: gastric (stomach), small bowel, pancreatic/ biliary tract, ovarian, renal (kidney)/urinary tract, brain, sebaceous (oil gland)

If yes:

3a. Were you and/or your family member(s) diagnosed under age 50?

If yes:

3b. Please select those who have been diagnosed with any of those cancers

Self (2); Father/Mother (2); Brother/Sister (2); Son/Daughter (2)

Maternal:

Grandfather/Grandmother (2); Uncle/Aunt (2); Nephew/Niece (2); Half Brother/Sister (2)

Paternal:

Grandfather/Grandmother (2); Uncle/Aunt (2); Nephew/Niece (2); Half Brother/Sister (2)

If no:

3c. Please select those who have been diagnosed with any of those cancers

Self (2); Father/Mother (1); Brother/Sister (1); Son/Daughter (1)

Maternal:

Grandfather/Grandmother (1); Uncle/Aunt (1); Nephew/Niece (1); Half Brother/Sister (1)

Paternal:

Grandfather/Grandmother (1); Uncle/Aunt (1); Nephew/Niece (1); Half Brother/Sister (1)

4. If personal history of cancer reported: Has any testing been done on your tumor that showed abnormal results?  
Yes (3); No/ Unsure (0)

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### NCCN Criteria Weighting algorithm

**Score of 3 or greater meets NCCN criteria for a genetic counseling referral**

#### **Maternal family history list**

|   |   |
|---|---|
| 3 | Personal history of colorectal cancer <50   |
| 3 | Personal history of endometrial cancer <50  |
| 2 | Personal history of colorectal cancer ≥50   |
| 2 | Personal history of endometrial cancer ≥50  |
| 2 | Personal history of any of the following cancers: gastric, small bowel, pancreatic/ biliary tract, ovarian, renal/urinary tract, brain, sebaceous   |
| 3 | Personal history of cancer & tumor test result is abnormal (shows (MMR deficiency)  |
| 3 | First-degree relative (parent, sibling, or child) with colorectal cancer <50  |
| 3 | First-degree relative (mother, sister, daughter) with endometrial cancer <50  |
| 2 | First-degree relative (parent, sibling, or child) with colorectal cancer ≥50  |
| 2 | First-degree relative (mother, sister, daughter) with endometrial cancer ≥50  |
| 2 | First-degree relative (parent, sibling, or child) with any of the following cancers: gastric, small bowel, pancreatic/ biliary tract, ovarian, renal/urinary tract, brain, sebaceous <50  |
| 1 | First-degree relative (parent, sibling, or child) with any of the following cancers: gastric, small bowel, pancreatic/ biliary tract, ovarian, renal/urinary tract, brain, sebaceous ≥50  |
| 2 | Second-degree relative (grandparent, aunt/uncle, or niece/nephew) with any of the following cancers: colorectal, endometrial, gastric, small bowel, pancreatic/ biliary tract, ovarian, renal/urinary tract, brain, sebaceous <50 |
| 1 | Second-degree relative (grandparent, aunt/uncle, or niece/nephew) with any of the following cancers: colorectal, endometrial, gastric, small bowel, pancreatic/ biliary tract, ovarian, renal/urinary tract, brain, sebaceous ≥50 |

#### **Paternal family history list**

|   |  |
|---|--|
| 3 | Personal history of colorectal cancer <50  |
| 3 | Personal history of endometrial cancer <50   |
| 2 | Personal history of colorectal cancer ≥50  |
| 2 | Personal history of endometrial cancer ≥50   |
| 2 | Personal history of any of the following cancers: gastric, small bowel, pancreatic/ biliary tract, ovarian, renal/urinary tract, brain, sebaceous  |
| 3 | Personal history of cancer & tumor test result is abnormal (shows (MMR deficiency)   |
| 3 | First-degree relative (parent, sibling, or child) with colorectal cancer <50   |
| 3 | First-degree relative (mother, sister, daughter) with endometrial cancer <50   |
| 2 | First-degree relative (parent, sibling, or child) with colorectal cancer ≥50   |
| 2 | First-degree relative (mother, sister, daughter) with endometrial cancer ≥50   |
| 2 | First-degree relative (parent, sibling, or child) with any of the following cancers: gastric, small bowel, pancreatic/ biliary tract, ovarian, renal/urinary tract, brain, sebaceous <50 |
| 1 | First-degree relative (parent, sibling, or child) with any of the following cancers: gastric, small bowel, pancreatic/ biliary tract, ovarian, renal/urinary tract, brain, sebaceous ≥50 |

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|   |   |
|---|---|
| 2 | Second-degree relative (grandparent, aunt/uncle, or niece/nephew) with any of the following cancers: colorectal, endometrial, gastric, small bowel, pancreatic/ biliary tract, ovarian, renal/urinary tract, brain, sebaceous <50 |
| 1 | Second-degree relative (grandparent, aunt/uncle, or niece/nephew) with any of the following cancers: colorectal, endometrial, gastric, small bowel, pancreatic/ biliary tract, ovarian, renal/urinary tract, brain, sebaceous ≥50 |