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## **PMS2-associated Lynch syndrome : the odd one out**

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### **Stellingen behorende bij proefschrift 'PMS2-associated Lynch syndrome: the odd one out':**

- 1) *PMS2* mutation carriers are a distinct entity among Lynch syndrome patients and should be treated as such (this thesis).
- 2) Risk reducing hysterectomy and bilateral salpingo-oophorectomy are too rigorous for female *PMS2* mutation carriers (this thesis).
- 3) *PMS2* germline mutations play an important role in adenoma to colorectal cancer progression (this thesis).
- 4) *PMS2* mutation carriers most likely only develop colorectal cancer through the adenoma to colorectal cancer progression pathway and not through the mismatch-repair deficient crypt pathway (this thesis).
- 5) The interval for surveillance colonoscopies for *PMS2* mutation carriers can be extended to 2-3 years due to the likely absence of cancer development through MMR deficient crypts (this thesis).
- 6) One size does not fit all when it comes to surveillance protocols of patients with the same hereditary cancer predisposition syndrome.
- 7) Hereditary breast and colorectal cancer research groups should join forces in an attempt to increase efficiency considering the similarity in research questions.
- 8) Immunotherapy is the most promising therapy option for patients with a hereditary cancer predisposition and illustrates the importance of identifying new families.
- 9) Onco-genetics will become increasingly more multidisciplinary, due to somatic tumour and germline analyses and their influence on personalized treatments schemes.
- 10) It has been said that the future of healthcare lies in prevention, in this respect Lynch syndrome provides ample opportunities.
- 11) Post-publication correspondence is an essential part of the academic system and PhD students should be encouraged to get involved in writing replies to work of others.
- 12) Students undertaking a research project should be involved in study design because an approximate answer to the right question is worth a great deal more than a precise answer to the wrong question. (Adapted from John Tukey)
- 13) Thinking about the best statistical approach in advance is extremely relevant, however, important observations cannot always be predicted by hypothesis-based thinking.

14) When writing a thesis it is important to realize that striving for excellence is motivating but striving for perfection can be demoralizing. (Adapted from Harriet B. Braiker)