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CLINICAL APPLICATION OF BIOMARKERS IN COLON CANCER, STUDIES ON APOPTOSIS, PROLIFERATION AND THE IMMUNE SYSTEM

Propositions / Stellingen

1. The introduction of multi-marker apoptotic tumor phenotypes or- profiles into clinical practice is very promising, but demands standardization of technical assays and quantification methods. (This thesis)
2. Combined analysis of the level of tumor cell apoptosis and proliferation using biochemical assays has great clinical potential towards the identification of high-risk stage II colon cancer patients. (This thesis)
3. The p53-SLP® vaccine combined with IFN- α injection is safe and capable of inducing p53-specific immunity in humans. (This thesis)
4. Investigating combined biomarkers related to tumor immune surveillance in tumor resection material provides a snapshot of the ongoing process of cancer-immunoediting in primary tumors and can be useful to allocate adjuvant treatment. (This thesis)
5. The rapid introduction of tumor gene expression-based prognostic tests is the perfect example of the restrictive and guiding effect industry has on clinical care.
6. The acknowledgment of cancer immunotherapy as Breakthrough of the Year 2013 by Science Magazine is the result of a paradigm shift in how the influence of the immune system on tumor growth and development is appreciated in cancer research.
7. ‘Molecular science will only get you that far; eventually only paraffin will kill all!’ (Donald L. Morton. M.D., Director John Wayne Cancer Institute, Santa Monica, California. September 2010, 1934-2014)
8. ‘The patient does not care about your science; what he wants to know is, can you cure him?’ (Martin H. Fischer (1879-1962)
9. ‘The most exciting phrase to hear in science, the one that heralds the most discoveries, is not “Eureka!” (“I found it!”) but “That’s funny...”’ (Isaac Asimov 1920-1992)
10. There is only one strategic plan; it’s called doing things. (after Herbert D. Kelleher, former CEO of Southwest Airlines)
11. It is costly wisdom that is bought by experience. (R. Ascham 1515-1568)