

## Stellingen/Propositions

Behorend bij het proefschrift

### **Malignant germ cell tumors and disorders of sex development: towards clinical implication**

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1. With a current view of germ cell cancer risk in particular types of DSD and possibilities of detection of an early germ cell malignancy, nowadays applied strategy represents a compromise between safety and avoidance of overtreatment. (this thesis)
2. Surprisingly high percentage of pediatric patients diagnosed with complete androgen insensitivity show germ cell abnormalities. This indicates that many of the lesions do not progress to intratubular germ cell neoplasia and subsequent invasive germ cell tumors in this syndrome. (this thesis)
3. Neoplastic germ cells are derived from fetal germ cells arrested in their early development. (this thesis)
4. The External Masculinization Score (EMS) reflects gonadal differentiation and tumor risk in patients with 45,X/46,XY. (this thesis)
5. Association between KITLG staining pattern and number of germ cells with aberrant protein expression indicates an interconnection of the two phenomena in the malignant transformation of embryonic germ cells. (this thesis)
6. Excessive use of cell phones in the history of patients with glioblastoma multiforme is related to shorter overall survival. (Akhavan-Siagri R *et al.* Connection between cell phone use, p53 gene expression in different zones of glioblastoma multiforme and survival prognoses. *Rare Tumors* 2014;6:5350.)
7. ZBRK1 acts as a tumor suppressor in renal carcinoma. (Chen K *et al.* ZBRK1, a novel tumor suppressor, activates VHL gene transcription through formation of a complex with VHL and p300 in renal cancer. *Oncotarget* 2015, e-pub ahead of print)
8. PTEN acts as a tumor suppressor in human glioblastoma. (Li D-M and Sun H. PTEN/MMAC1/TEP1 suppresses the tumorigenicity and induces G1 cell cycle arrest in human glioblastoma cells. *Proc Nat Acad Sci* 1998;95:15406-15411)
9. Lamin A plays a role in physiological aging. (Scaffidi P and Misteli T. Lamin A-dependent nuclear defects in human aging. *Science* 2006;132:1056-1063.)
10. Moderate wine consumption may protect against cardiovascular diseases via inflammatory and clotting pathways. (Janssen I *et al.* Moderate wine consumption is associated with lower hemostatic and inflammatory risk factors over 8 years: The study of women's health across the nation (SWAN). *Nutr Aging (Amst)* 2014;2:91-99.)
11. Education is what remains us when we forget all what we have learnt at school. (Karel Čapek)