

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/20397> holds various files of this Leiden University dissertation.

Author: Anninga, Jakob Klaas

Title: Clinical and molecular features of high-grade osteosarcoma

Issue Date: 2013-01-09

Stellingen (hypotheses)
behorend bij het proefschrift:

Clinical and Molecular Features of High-Grade Osteosarcoma

1. Thorough study of epidemiologic data provides a good insight into the origin and development of osteosarcoma (*this thesis*).
2. There are at present only four effective chemotherapeutic drugs in the treatment of osteosarcoma; administering a combination of more than three of these drugs increases the toxicity, but does not further improve its efficacy (*this thesis*).
3. In view of the complexity of osteosarcoma at the genome level, analysis of the difference in gene expression at the single gene level in osteosarcoma versus non-malignant bone tissue is less useful than pathway analysis (*this thesis*).
4. The therapeutic use of a monoclonal antibody against an antigen that has not proven to be expressed at the surface of osteosarcoma cells is ill-founded and therefore ethically unjustified (*this thesis*).
5. Patients with pulmonary metastases of osteosarcoma, that are considered to be resectable, should be treated forcefully and repeatedly with surgery whenever possible; this provides the only chance for cure for these patients (*this thesis*).
6. Patients with osteosarcoma in the age group of 18–30 years have a significantly worse chance of survival than those younger than 18 years of age, due to increased rate of relapse or death (*Janevay et al. Cancer 2012; 118 (18): 4597-605*).
7. It is obvious that care for patients with rare diseases like osteosarcoma is concentrated in bone tumour treatment centres that have experience in the multi-disciplinary diagnosis and therapy of such a complex disease.
8. Cathedrals have a quality that is lacking in modern museums (*Alain de Botton, Filosofie Magazine 2011; 20 (July-Aug): 73*).
9. Expect nothing; be prepared for anything (*old Samurai saying*).
10. To write a thesis is a challenge, not only at a scientific level but also at a social level: you get to know your friends and your partner.