

Molecular biomarkers in skull base chordoma

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STELLINGEN

behorend bij het proefschrift

Molecular biomarkers in skull base chordoma

1. With the paucity of therapeutic options available, an important matter biomarkers can help patients and physicians with today is the prediction of expected explosive regrowth of the tumor. *(this thesis)*
2. Integrated and quantitative proteomics are the crucial next step in discovering the true disarray in the cells physiology in chordomas and can identify tumors with a propensity to recur. *(this thesis)*
3. Treating chordoma patients with an internationally recognized treatment standard and specialized care centers with clinical and scientific interest will help unravel the heterogeneity of data dispersed today. *(this thesis)*
4. Until a characteristic molecular expression pattern of notochordal tissue is revealed, Brachyury expression remains the hallmark linking chordomas to a notochordal origin. *(this thesis)*
5. Applying methylation profiling on tissue isolated using the protocol provided in chapter three, would be an interesting approach for identifying the cell of origin of chordomas. *(this thesis)*
6. Isolation of the notochordal tissue preferably performed by laser capture microdissection technique in the 9th or 10th week of gestation results in adequate tissue for analysis. *(this thesis)*
7. Chromothripsis might preceded by a viral cause, as viral involvement is plausible in chordomas. *(this thesis)*
8. "In God we trust, all others bring data." *W. E. Deming (1900-1993)*
9. "Everybody can be considered a genius. But if you judge a fish by its ability to climb a tree, it will live its whole life believing that it is stupid." *A. Einstein (1879-1955)*
10. "Simple can be harder than complex: You have to work hard to get your thinking clean to make it simple. But it's worth it in the end because once you get there, you can move mountains." *S. Jobs (1955-2011)*

Youssef Yakkioui

Maastricht, 9 september 2020