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Exploring novel opportunities for molecular imaging in surgery

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1. Fluorescence-guided surgery in soft tissue sarcomas seems to be suitable during primary surgery with the use of radiotherapy in an adjuvant setting.
2. Adequate and standardized ex vivo tumor targeted fluorescence-guided margin assessment performed in the surgical theatre has the potential to reveal to the surgeon a tumor-positive resection margin during ablative surgery.
3. Tumor acidosis can be exploited as a generic biomarker of solid cancers, which might lead to the clinical introduction of an all-encompassing solution for fluorescence-guided surgical oncology.
4. A standardized tissue and data processing framework is a necessity towards the introduction of dual modality imaging combining optoacoustic with fluorescence imaging to visualize tumor and plaque biology.
5. Fluorescence and/or optoacoustic imaging of angiogenesis in the culprit plaque has the potential to identify patients who are at risk for cardiovascular events.
6. Tumor-targeted fluorescence imaging facilitates improved visualization of otherwise missed residual tumor deposits in vivo and missed tumor tissue ex vivo during histopathological examination, making intraoperative clinical decision-making more precise.
7. Knowledge and ability are tools, not things to show off. Haruki Murakami, 1q84
8. Een boek zegt meer dan 1000 woorden. Herman Finkers