

Nerve fibers in the tumor microenvironment

Citation for published version (APA):

Tan, X. (2023). *Nerve fibers in the tumor microenvironment: a novel prognostic biomarker in CCA and PDAC*. [Doctoral Thesis, Maastricht University]. Maastricht University.
<https://doi.org/10.26481/dis.20230524xt>

Document status and date:

Published: 01/01/2023

DOI:

[10.26481/dis.20230524xt](https://doi.org/10.26481/dis.20230524xt)

Document Version:

Publisher's PDF, also known as Version of record

Please check the document version of this publication:

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Propositions

Accompanying the dissertation

The nerve fibers in the tumor microenvironment:

a novel prognostic biomarker in CCA and PDAC

Xiuxiang Tan

1. Nerve fibers in the tumor microenvironment are associated with better overall survival in patients who undergo surgery for PDAC, pCCA, and iCCA. (this dissertation).
2. Lymphoid aggregates located within the tumor microenvironment contain nerve fibers, and immune cells associated with these fibers are predominantly B cells. (this dissertation)
3. Nerve fibers from the parasympathetic system exhibiting favorable oncological outcomes indicate a positive prognosis.(this dissertation)
4. In patients with resected perihilar cholangiocarcinoma, nerve fiber density positively correlates with the presence of PD1+ T-cells, suggesting a possible biomarker for prognostic assessment. (this dissertation)
5. Nerve fibers serve as an important first step towards deeper investigation and advancement in research prognosis, and ultimately contribute to the development of new biomarker for addressing cancer prediction.
6. Basic research is what I'm doing when I don't know what I am doing.(Wernher Von Braun,1973)
7. The art of medicine is long, and life is short; opportunity fleeting.(Hippocrates).
8. The best way to predict the future is to invent it(Alan Kay)
9. Cancer is a word, not a sentence (John Diamond)

Maastricht, May, 2023