

GROUP 31

69



Cancer Stem Cell Marker CD133 is Elevated in Tall Cell Variant Papillary Thyroid Cancer and Correlates with Survival

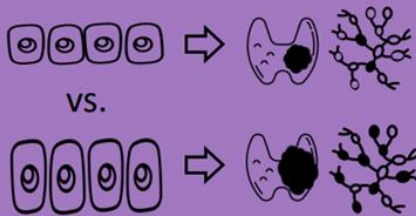
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- Comparison of Tall Cell Variant (TCV) and classic Papillary Thyroid Cancer (PTC) patients by Immunohistochemistry (IHC)
- RNA expression analysis of Cancer Stem Cell (CSC) Markers using TCGA Thyroid Cancer Database

Background & Hypothesis

TCV is more aggressive compared to classic PTC



VS.



Hypothesize CSC markers vary between thyroid cancer types

IHC Analysis



↑ CD133

↓ CD133

Median H-score

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115
(IQR 102-132)

7
(IQR 6-28)

RNA Expression & Survival Analysis

Classic PTC tumors with TCV-like CSC markers by RNA have worse Recurrence Free Survival (RFS)



↑ CD133
ALDH1A3
↓ CD24

VS.



12-yr RFS
68%



12-yr RFS
80%

p=0.02

70



Multimodal Analgesia After Thyroid or Parathyroid Surgery: A Randomized Controlled Trial



126 patients undergoing thyroid or parathyroid surgery

Post-operative prn acetaminophen with codeine vs. scheduled acetaminophen with prn tramadol

Patient-reported pain scores and medication use

Reported Pain Scores
(Average was moderate range: 4-6 out of 10)



No difference between groups
(p=0.358)

Consumption of MMEs
(Morphine Milligram Equivalents)



No difference between groups
(p=0.792)

Percentage Opioids of Total Analgesic Doses



Higher usage in acetaminophen with codeine group (p<0.001)

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