

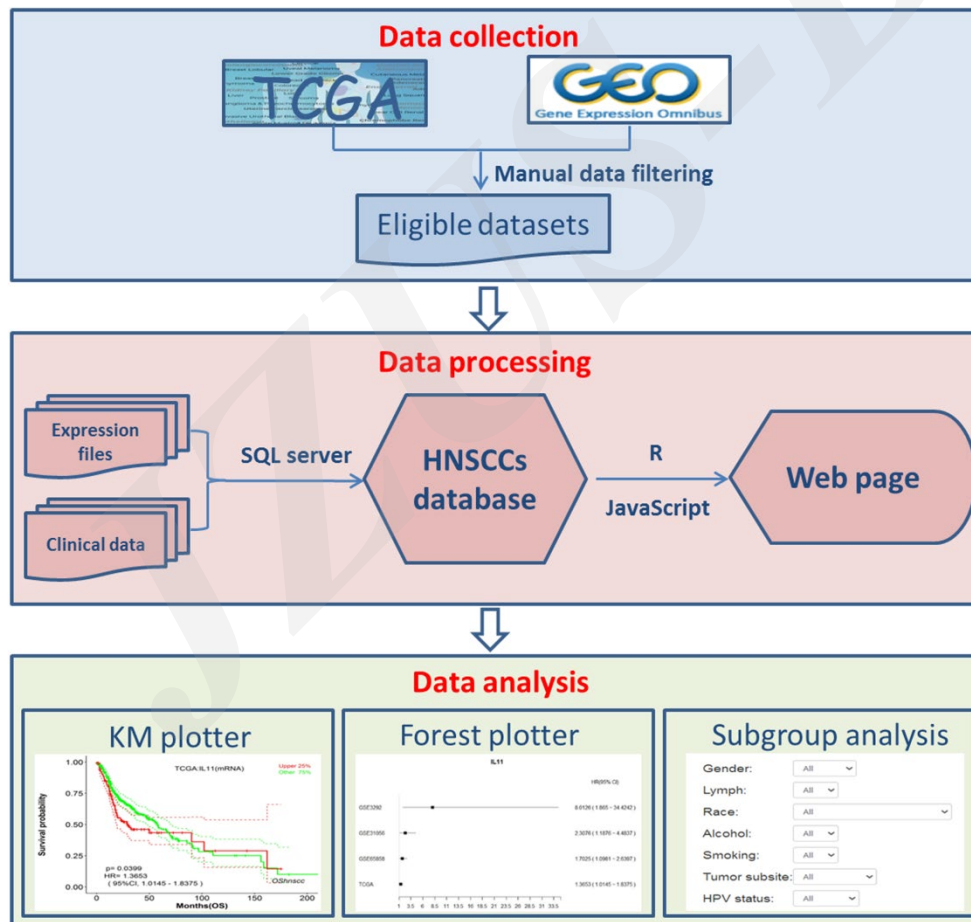
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OShnsc: a novel user-friendly online survival analysis tool for head and neck squamous cell carcinoma based on RNA expression profiles and long-term survival information

Key words: Head and neck squamous cell carcinoma, Prognostic biomarker, Online survival tool, Kaplan-Meier curve, OShnsc

Research Summary

This article developed the Online consensus Survival tool for head and neck squamous cell carcinoma (*OShnsc*), and introduced the usage of *OShnsc*



Innovation points

- **Contains** by far the largest number of HNSCC cases (1,366 cases) for prognostic analysis.

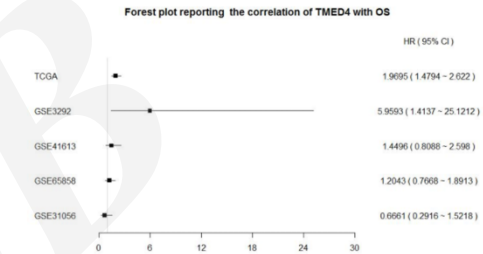
- **Enables** users to evaluate the prognostic value of the queried gene independently in individual cohorts;

- **Allows** users to perform survival analysis for subgroups using different clinical factors.

OShnsc

OShnsc (Online consensus Survival for Head and Neck Squamous Cell Carcinoma) integrates 1366 unique HNSCC cases with available gene expression profiles and the corresponding clinical information from 5 independent cohorts, and provides 6 types of prognosis endpoints for survival analysis.

Gene symbol: TMED4
Data source: All Survival: OS



Univariate Cox regression analysis of TMED4 expression with OS in each dataset of OShnsc				
Dataset	P-value	HR	95%CI	Prognostic
TCGA	<0.0001	1.9695	1.4794 - 2.6220	Poor
GSE3292	0.0150	5.9593	1.4137 - 25.1212	Poor
GSE41613	0.2123	1.4496	0.8088 - 2.5980	Go
GSE31056	0.3351	0.6661	0.2916 - 1.5218	Go
GSE5858	0.4196	1.2043	0.7668 - 1.8913	Go

Note: cutoff: upper 25% vs other 75%

[Click here](#) to see the definitions of Survival terms including overall survival (OS), disease-specific survival (DSS), disease-free survival (DFS), progression-free survival (PFS), disease-free interval (DFI), and progression-free interval (PFI).

Gene symbol: TMED4
Data Source: TCGA
Survival: OS
Split patients by: Upper 25%
TNM: All
Grade: All

Gender: All
Lymph: All
Race: All
Alcohol: All
Smoking: All
Tumor subsite: All
HPV status: All

