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Manuscript NO: 56135

Manuscript Type: ORIGINAL ARTICLE

Basic Study

To develop and validate the combination of 3-lncRNA for the prognosis of patients with gastric cancer

Zhang J *et al*. A model to predict gastric cancer prognosis

Abstract

BACKGROUND

Gastric cancer (GC) is one of the most frequently diagnosed gastrointestinal cancers throughout the world. Novel prognostic biomarkers are required to predict the progression of GC.

AIM

To identify a multi-long noncoding RNA (lncRNA) prognostic model for GC.

METHODS

Transcriptome data and clinical data were downloaded from TCGA. COX and LASSO were performed to screen for prognostic associated lncRNAs. ROC and Kaplan-Meier curve analysis was applied to evaluate the effectiveness of the model.

Match Overview

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A three-lncRNA expression signature associated **with** the **prognosis** of **gastric cancer patients**. Peng Song. ... An ever-increasing number of lncRNAs has been found to be associated with the biogenesis and **prognosis** of **gastric cancer** (GC). We aimed **to develop** an lncRNA signature with prognostic value for survival outcomes of GC. ... To **validate** ...

Cited by: 18   **Author:** Peng Song, Bo Jiang, Zhijian Liu, Jie Ding, ...
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A prognostic 3-long noncoding RNA signature **for patients with gastric cancer**. ... the present study is **to develop and validate** a prognostic ... and **prognosis** in **gastric cancer patients**. ZEB1-AS1 ...

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Apr 26, 2017 · Background. **Gastric cancer** (GC) was the fifth most common malignancy and the second leading cause of **cancer**-related death worldwide and was responsible for approximately 1 million new stomach **cancer** cases and 700,000 deaths in 2012 1.In spite of the improvements in chemotherapy, radiotherapy, and surgical techniques, the 5-year overall survival (OS) and disease-free survival (DFS) ...

Cited by: 20   **Author:** Peng Song, Bo Jiang, Zhijian Liu, Jie Ding, ...

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Background: An accumulating body of evidence suggests that long non-coding RNAs (lncRNAs) can serve as potential **cancer** prognostic factors. However, the utility of lncRNA **combinations** in estimating overall survival (OS) for hepatocellular carcinoma (HCC) remains to be elucidated. This study a ...

Cited by: 1   **Author:** Wang Li, Qi-Feng Chen, Tao Huang, Peihon...

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An Integrated Three-Long Non-coding RNA Signature Predicts ...
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6883412

Long **noncoding RNA** GMAN, up-regulated in **gastric cancer** tissues, is associated with metastasis in **patients** and promotes translation of Ephrin A1 by competitively binding GMAN-AS. Gastroenterology. (2019) 156:676–91.e11. 10.1053/j.gastro.2018.10.054 [Google Scholar]

Cited by: 3   **Author:** Yuhang Liu, Bingxin Liu, Guoying Jin, Jia ...
Publish Year: 2019

Five-long non-coding RNA risk score system for the ...
https://pubmed.ncbi.nlm.nih.gov/30988816

The **prognosis** for **patients with gastric cancer** (GC) is usually poor, as the majority **of patients** have reached the advanced stages of disease at the point of diagnosis. Therefore, revealing the mechanisms of GC is necessary for the identification of key biomarkers and the **development** of ...

Cited by: 4   **Author:** Zunqi Hu, Dejun Yang, Yuan Tang, Xin Zh...
Publish Year: 2019

Identification of a nomogram based on long non-coding RNA ...
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7053640

Jan 31, 2020 · Decreased expression of the long **non-coding RNA** FENDRR is associated with poor **prognosis** in **gastric cancer** and FENDRR regulates **gastric cancer** cell metastasis by affecting fibronectin1 expression. J Hematol Oncol. 2014; 7:63. 10.1186/s13045-014-0063-7 [PMC free article] [Google Scholar]

Cited by: 1   **Author:** Wenli Li, Jun Liu, Hetong Zhao
Publish Year: 2020

Long non-coding RNAs towards precision medicine in gastric ...
https://molecular-cancer.biomedcentral.com/articles/10.1186/s12943-020-01219-0 ▾

May 27, 2020 · **Gastric cancer** is a deadly disease and remains the third leading cause of **cancer**-related death worldwide. The 5-year overall survival rate **of patients** with early-stage localized **gastric cancer** is more than 60%, whereas that **of patients** with distant metastasis is less than 5%. Surgical