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Manuscript NO: 50116

Manuscript Type: ORIGINAL ARTICLE

### *Retrospective Study*

**Estimating the survival benefit of adjuvant therapy based on bayesian network prediction model in curative resected advanced gallbladder adenocarcinoma**

Geng ZM *et at.* Bayesian Network Model for GBC

Zhi-Min Geng, Zhi-Qiang Cai, Zhen Zhang, Zhao-Hui Tang, Feng Xue, Chen

Chen, Dong Zhang, Qi Li, Rui Zhang, Wen-Zhi Li, Lin Wang, Shu-Bin Si

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## Prediction Model for Estimating the Survival Benefit of ...

<https://ascopubs.org/doi/10.1200/JCO.2007.14.7934>

Sep 21, 2016 · **Biliary tract cancers** are relatively rare in the United States but carry a poor prognosis. 1 **Gallbladder cancer** is the most common **biliary tract neoplasm**, with an annual incidence of approximately 5,000 cases per year and an annual mortality of 2,800 deaths per year. 2 **Surgery** remains the only definitively **curative therapy** for resectable gallbladder cancer. 3 Even after complete ...

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Author: Samuel J. Wang, C. David Fuller, Jong S...

Publish Year: 2008

## Impact of adjuvant external beam radiotherapy on survival ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3979596>

Impact of **adjuvant external beam radiotherapy** on **survival** in surgically **resected gallbladder adenocarcinoma**: A propensity score-matched Surveillance, Epidemiology, and End Results analysis ... nonincidental disease. 2 Operative resection is the cornerstone of **curative therapy** for ... Kim JS, et al. Prediction model for **estimating the survival** ...

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Author: Omar Hyder, Rebecca M. Dodson, Teviah...

Publish Year: 2014

## Adjuvant therapy for resected biliary tract cancer: a ...

[cco.amegroups.com/article/view/11561/12687](http://cco.amegroups.com/article/view/11561/12687) ▾

Additional data regarding **adjuvant chemotherapy in gallbladder cancer** comes from a registry analysis of 4,774 patients treated in Japan (39). **Surgical resection** was undertaken in 3,324 patients, and 74% had complete macroscopic **resection**. **Chemotherapy** was used as **adjuvant therapy** in 36% of men and 38% of women.

Cited by: 6

Author: Mark K. Doherty, Jennifer J. Knox

Publish Year: 2016

## Analysis of prognostic factors for survival after surgery ...

<https://www.nature.com/articles/s41598-017-00491-3>

Mar 22, 2017 · Analysis of prognostic factors for **survival** after surgery for **gallbladder cancer based on a Bayesian network**. ... of **adjuvant therapy on survival** ... **estimating the survival benefit of adjuvant** ...

Cited by: 4

Author: Zhi-qiang Cai, Peng Guo, Shu-bin Si, Zhi-...

Publish Year: 2017

Author: Zhi-Qiang Cai



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## Prediction Model for Estimating the Survival Benefit of ...

<https://ascopubs.org/doi/10.1200/JCO.2007.14.7934>

Sep 21, 2016 · The specific aim of this study was to construct a survival prediction model to estimate the potential survival benefit of adjuvant RT after resection of gallbladder cancer. To this end, we constructed a Cox proportional hazards multivariate regression model based on the Surveillance, Epidemiology, and End Results (SEER) database, the largest epidemiologic cancer registry in the ...

Cited by: 122

Author: Samuel J. Wang, C. David Fuller, Jong S...

Publish Year: 2008

## Survival Prediction Models for Estimating the Benefit of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2656000>

Survival Prediction Models for Estimating the Benefit of Post-Operative Radiation Therapy for Gallbladder Cancer and Lung Cancer. Jayashree Kalpathy-Cramer, ... et al. Prediction model for estimating the survival benefit of adjuvant radiotherapy for gallbladder cancer. J Clin Oncol.

Cited by: 4

Author: Jayashree Kalpathy-Cramer, William R. H...

Publish Year: 2008

## (PDF) Prediction Model for Estimating the Survival Benefit ...

[https://www.researchgate.net/publication/5473239\\_Prediction\\_Model\\_for\\_Estimating\\_the...](https://www.researchgate.net/publication/5473239_Prediction_Model_for_Estimating_the...)

The purpose of this study was to construct a survival prediction model to enable individualized predictions of the net survival benefit of adjuvant RT for gallbladder cancer patients based on ...

## Survival Prediction Models for Estimating the Benefit of ...

[https://www.researchgate.net/publication/23463728\\_Survival\\_Prediction\\_Models\\_for...](https://www.researchgate.net/publication/23463728_Survival_Prediction_Models_for...)

In the absence of large randomized controlled trials, survival prediction models can help estimate the predicted benefit of PORT for specific settings. The purpose of this study was...

## Impact of adjuvant external beam radiotherapy on survival ...

<https://www.sciencedirect.com/science/article/pii/S0039606013002882>

Receipt of XRT was associated with a survival benefit; median overall survival was 11.0 months for patients treated with operation alone compared with 18.0 months for patients treated with resection plus adjuvant therapy (HR 0.45, 95% CI 0.39–0.53;  $P < .001$ ; Fig 2, A).

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Author: Omar Hyder, Rebecca M. Dodson, Teviah...



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Publish Year: 2008

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2656000>

**Survival Prediction Models for Estimating the Benefit of Post-Operative Radiation Therapy for Gallbladder Cancer and Lung Cancer**. Jayashree Kalpathy-Cramer, ... et al. **Prediction model for estimating the survival benefit of adjuvant radiotherapy for gallbladder cancer**. J Clin Oncol.

Cited by: 4

Author: Jayashree Kalpathy-Cramer, William R. Her...

Publish Year: 2008

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In the absence of **large randomized controlled trials**, **survival prediction models** can **help estimate the predicted benefit of PORT for specific settings**. The purpose of this study was...

### Analysis of prognostic factors for survival after surgery ...

<https://www.nature.com/articles/s41598-017-00491-3>

Mar 22, 2017 · **Prognostic model based on Bayesian network** A total of 366 individuals whose **survival state** was 0 or 1, and these patients were used to establish and **test the BN model**.

Cited by: 7

Author: Zhi-qiang Cai, Peng Guo, Shu-bin Si, Zhi-mi...

Publish Year: 2017

Author: Zhi-Qiang Cai

### (PDF) Nomogram for Predicting the Benefit of Adjuvant ...

[https://www.academia.edu/13500366/Nomogram\\_for\\_Predicting\\_the\\_Benefit\\_of\\_Adjuvant...](https://www.academia.edu/13500366/Nomogram_for_Predicting_the_Benefit_of_Adjuvant...) ▾