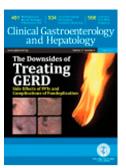
Accepted Manuscript

Estrogen Replacement Reduces Risk and Increases Survival Times of Women With Hepatocellular Carcinoma

Manal M. Hassan, Gehan Botrus, Reham Abdel-Wahab, Robert A. Wolff, Donghui Li, David Tweardy, Alexandria T. Phan, Ernest Hawk, Milind Javle, Ju-Seog Lee, Harrys A. Torres, Asif Rashid, Renato Lenzi, Hesham M. Hassabo, Yasmin Abaza, Ahmed S. Shalaby, Sahin Lacin, Jeffrey Morris, Yehuda Z. Patt, Christopher I. Amos, Saira A. Khaderi, John A. Goss, Prasun K. Jalal, Ahmed O. Kaseb.



 PII:
 S1542-3565(17)30666-3

 DOI:
 10.1016/j.cgh.2017.05.036

 Reference:
 YJCGH 55266

To appear in: *Clinical Gastroenterology and Hepatology* Accepted Date: 21 May 2017

Please cite this article as: Hassan MM, Botrus G, Abdel-Wahab R, Wolff RA, Li D, Tweardy D, Phan AT, Hawk E, Javle M, Lee J-S, Torres HA, Rashid A, Lenzi R, Hassabo HM, Abaza Y, Shalaby AS, Lacin S, Morris J, Patt YZ, Amos CI, Khaderi SA, Goss JA, Jalal PK, Kaseb. AO, Estrogen Replacement Reduces Risk and Increases Survival Times of Women With Hepatocellular Carcinoma, *Clinical Gastroenterology and Hepatology* (2017), doi: 10.1016/j.cgh.2017.05.036.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Estrogen Replacement Reduces Risk and Increases Survival Times of Women With Hepatocellular Carcinoma

Short Title: Association between Estrogen and HCC

Authors: Manal M. Hassan,¹ Gehan Botrus,¹ Reham Abdel-Wahab,^{1,13} Robert A. Wolff, ¹Donghui Li,¹ David Tweardy, ² Alexandria T. Phan,³ Ernest Hawk,⁴ Milind Javle,¹ Ju-Seog Lee,⁵ Harrys A. Torres,⁶ Asif Rashid,⁷ Renato Lenzi,¹ Hesham M. Hassabo,¹ Yasmin Abaza,¹ Ahmed S. Shalaby,¹ Sahin Lacin,^{1,14} Jeffrey Morris,⁸ Yehuda Z. Patt⁹, Christopher I. Amos¹⁰, Saira A Khaderi^{11,12}, John A Goss^{11,12}, Prasun K Jalal¹¹, and Ahmed O. Kaseb.¹

Author Affiliations: ¹Department of Gastrointestinal Medical Oncology; ² Division of Internal Medicine; ⁴ Division of Cancer Prevention and Population Science; ⁵ Department of System Biology; ⁶ Department of Infectious Diseases; ⁷ Department of pathology; ⁸ Department of Biostatistics; The University of Texas MD Anderson Cancer Center, Houston, Texas; ³ Houston Methodist Hospital, Houston Texas; ⁹ University of New Mexico (UNM) Health Sciences Center, Albuquerque, New Mexico; ¹⁰ Department of Community and Family Medicine, Geisel School of Medicine, Dartmouth College, Lebanon, New Hampshire; ¹¹ Michael E. DeBakey Department of Surgery, Division of Abdominal Transplantation and Hepatobiliary Surgery, Baylor College of Medicine, Houston, Texas; ¹²Department of Surgery, Texas Children's Hospital, Houston, Texas; ¹³Department of Clinical Oncology, Assiut University Hospital, Assiut, Egypt; ¹⁴Department of Medical Oncology, Hacettepe University, Ankara, Turkey

Funding: Supported by National Institutes of Health NIH R03 grant ES11481 (to MMH), CA-106458 (to MMH), ONYX-33839 (to MMH), and by Sheikh Ahmed Center for Pancreatic Cancer Research (to RAW) at The University of Texas M. D. Anderson Cancer Center.

Abbreviation: HCC, hepatocellular carcinoma; MHT, menopausal hormonal therapy; CI, confidence interval; AFP, alpha-fetoprotein; HBV, hepatitis B virus; HCV, hepatitis C virus; AOR, adjusted odds ratio; OS, overall survival; HR, hazard ratio; SE, standard error; AHR, adjusted hazard ratio.

1

Download English Version:

https://daneshyari.com/en/article/5657111

Download Persian Version:

https://daneshyari.com/article/5657111

Daneshyari.com