

## Accepted Manuscript

Hsa-microRNA-101-3p expression in human urinary bladder cancer: Correlation with tumor pathology

Yasmine A. Issa, Howaida A. Nounou, Mohamed M. Hashad



PII: S2452-0144(18)30071-2  
DOI: doi:[10.1016/j.genrep.2018.06.009](https://doi.org/10.1016/j.genrep.2018.06.009)  
Reference: GENREP 275  
To appear in: *Gene Reports*  
Received date: 19 December 2017  
Revised date: 16 May 2018  
Accepted date: 15 June 2018

Please cite this article as: Yasmine A. Issa, Howaida A. Nounou, Mohamed M. Hashad , Hsa-microRNA-101-3p expression in human urinary bladder cancer: Correlation with tumor pathology. Genrep (2018), doi:[10.1016/j.genrep.2018.06.009](https://doi.org/10.1016/j.genrep.2018.06.009)

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.

# **Hsa-microRNA-101-3p expression in human urinary bladder cancer: Correlation with tumor pathology.**

**Yasmine A. Issa, PHD, MSc, MBBCh <sup>(1)</sup>, Howaida A. Nounou PHD, MSc, MBBCh <sup>(1)</sup>, Mohamed M. Hashad, PHD, MSc, MBBCh <sup>(2)</sup>.**

**<sup>(1)</sup> Medical Biochemistry Department, Alexandria Faculty of Medicine, Egypt.**

**<sup>(2)</sup> Urology Department, Alexandria Faculty of Medicine, Egypt.**

## **Abstract**

### **Introduction:**

MicroRNAs (miRs) are a class of small, conserved, non-protein-coding RNAs that regulate gene expression by controlling translation of target messenger RNA. In cancer, miRs can act either as tumor suppressors or oncogenes. Reduced expression of miR-101 has been observed in different types of cancers, and was thus considered to be a tumor suppressor. In urinary bladder cancer (BC) cell lines, miR-101 was found to suppress cancer cells motility, however studies in human BC patients, correlating miR-101 expression to pathological findings are very limited. This study aims at assessing hsa-miR-101-3p expression in human BC in correlation to tumor pathology in transurethral resection biopsies.

### **Material and methods:**

Transurethral bladder tissue specimens were collected from 100 bladder cancer patients. Only bladder transitional cell carcinoma (BTCC) patients (n=80) were considered. Total RNA was

Download English Version:

<https://daneshyari.com/en/article/8646170>

Download Persian Version:

<https://daneshyari.com/article/8646170>

[Daneshyari.com](https://daneshyari.com)