ID: 7098
Congress: 1st Tabriz International Life Science Conference and 12th Iran Biophysical Chemistry Conference
Title: Expression profile of EYA1 gene in gastric cancer tissues
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class="MsoNormal"><strong><span style="font-size: 12pt; font-family: &quot;times new roman&quot;;&quot;serif&quot;; color: black;">Introduction</span></strong></p>---

**Method:**
- RNA extraction and cDNA synthesis were performed according to manufacturer's instructions.

**Results:/**
- The aim of this study was to evaluate the expression profile of <em>EYA1</em> gene in gastric carcinoma. RNA extraction and cDNA synthesis were performed according to manufacturer's instructions. Then conventional and quantitative real-time RT-PCR was done for evaluation of the expression of <em>EYA1</em> gene.

**Results:**
- Our results showed that the expression of <em>EYA1</em> gene was heterogeneous in gastric specimens. Furthermore, there was no significant alteration in expression between tumoral and non-tumoral tissues.

**Discussion:**
- EYA1, an activator protein which is overexpressed in several tumor types such as Wilms' tumors is required for normal development of different tissues. Furthermore, previous studies demonstrate that the expression profile of <em>EYA1</em> gene in gastric carcinoma.

**Conclusion:**
- As the second most frequent cause of cancer death, gastric cancer is a common disease worldwide. It is overexpressed in several tumors types such as Wilms' tumors. Our results showed that the expression of <em>EYA1</em> gene was heterogeneous in gastric specimens. Furthermore, there was no significant alteration in expression between tumoral and non-tumoral tissues.

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different tumor types and grades.<span style="font-size: 12pt; font-family: "times new roman","serif";; color: black;">Conclusions:</span><span style="font-size: 12pt; font-family: "times new roman","serif";; color: black;">Collectively, our results call for further investigation to precisely define the role of <em>EYA1</em> in normal and pathological conditions of major human organs including stomach.</span>
Key words: Gastric cancer, EYA1 gene, quantitative real-time RT-PCR

Presentation: Poster