



## Abstract

# Evaluation of In Vitro Anti-Proliferative Activity of St. John's Wort (*Hypericum perforatum* Linn.) Plant Extract on Cervix Adenocarcinoma <sup>†</sup>

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**Abstract:** St. John's wort (*Hypericum perforatum* L.) is a medicinal plant used for many diseases. *Hypericum perforatum* has strong historical background about the therapeutic potential. In the present study, we have investigated the cytotoxic activity of the *Hypericum perforatum* against cultured cervix adenocarcinoma (HeLa) cell line. Antiproliferative effects of *Hypericum perforatum* on HeLa cells were evaluated by means of the XTT Cell Proliferation Kit (Biological Industries, Israel) according to manufacturer's instructions, and then the IC<sub>50</sub> value was calculated. IC<sub>50</sub> value of *Hypericum perforatum* was found as 120 µg/mL. Therefore, this plant may be a potential natural antitumor drug for cervix adenocarcinoma.

**Keywords:** *Hypericum perforatum* L.; cytotoxicity; cervix adenocarcinoma



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