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## Case Report

# Pathological report of a patient with cancer of the esophagus improved considerably after receiving citric acid orally

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**This article describes the effectiveness of citric acid as a cancer treatment in a patient with esophageal cancer that presented partial remission after taking citric acid orally as her only treatment.**

**Keywords:** Cancer, esophageal cancer, treatment, citric acid.

## CASE REPORT

Female patient, 62 years of age, normal weight and size, diagnosed with esophageal cancer that was confirmed by a biopsy performed by endoscopy on December 13, 2013, when the patient began taking citric acid orally, 5 to 6 grams each day, the pathological report was: Poorly differentiated adenocarcinoma of intestinal type and ulcerated, with an index of cell proliferation Ki67 in 80% of all cellular nuclei; the patient showed significant clinical improvement and the endoscopy was repeated, again with esophageal biopsy, on March 12, 2014 reporting on this second occasion, the same Pathologist: moderately differentiated adenocarcinoma but in this time originated in Barrett's esophagus with Ki67 in 60% of cellular nuclei.

This significant decrease in the cell proliferation marker Ki67, from 80% to 60% in only 3 months can only be ascribed to the effect of citric acid that the patient received during that time as her only cancer treatment.

The effectiveness of citric acid as a cancer treatment has been reported in five consecutive patients with different types of cancer (Halabe Bucay, 2009; Halabe Bucay, 2011; Halabe Bucay, 2013; Halabe Bucay, 2014).

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