

7- Most normal tissues accumulate lactic acid in absence of oxygen, but most neoplasms accumulate lactic acid under aerobic as well as anaerobic conditions (Al-Hajj *et al.*, 2003).

So the principle difference between mature normal tissues and tumor is not in the rate of cell replication, but in that in most normal tissues, the rate of proliferation equals to the rate of cell death, whereas in neoplasms seem to lack auto regulation of proliferation and the rate modulated by the adequacy of vascular supply (Schatton *et al.*, 2008).

### **1.5 Treatment of cancer**

There are various approaches for cancer treatment:

- 1- Surgery,
- 2- Photodynamic therapeutics,
- 3- Radiation therapy  $\gamma$ -rays,
- 4- Immunotherapy,
- 5- Chemotherapy (Krause and Van Etten 2005).

We will briefly discuss two classes of cancer drugs, they are the signal transduction inhibitors and angiogenesis inhibitors.