Immune Surveillance System

- * During neoplastic transformation, new antigen develops
- * The bookerecognize them as non-self antigens
- * Cell mediated immune reactions attack these non-self tumor cells
- * Immune response act as surveillance system to detect and eliminate newly arising neoplastic cells

Tumor Markers

* Tumor markers:

* Treview from Notesale.co.uk

* Treview from 21 of 29

* Tumor antigens

Tumor products

(enzymes and hormones)

- * Tumor products are released in the serum of patients
- * They are used to confirm diagnosis and follow up the response to therapy

Tumor Products

a) Hormones:

- Human chorionic gonadeta phins (HCG) are secreted in cases of choriocarcinoma
- Trevision (Tagget) is secreted in cases of cancer of thyroid gland

b) Enzymes:

- Acid phosphatase enzymes in cases of cancer of prostate
- Alkaline phosphatese, lipase and amylase enzymes in cases of cancer pancreas

b. Specific:

i. Hepatition yactine

ii. Previous (HPV) vaccine