

\* rarely mets of glioma and basal cell carcinomas of the skin  
\* always mets of Blood Cancer (leukemia, lymphoma)  
\* 30% mets of solid tumors (excluding skin cancer other than melanoma)

\* HIV  $\Rightarrow$  Kaposi sarcoma (infectious agents).

\* HPV  $\rightarrow$  Low risk type  $\rightarrow$  6+11  $\rightarrow$  warts  
 $\rightarrow$  high risk type  $\rightarrow$  16+18  $\rightarrow$  uterine, cervix, head, neck

\* Smoking: single most death cancer in United states.

\* Acquired predisposing conditions:

① Chronic inflammation  $\rightarrow$  carcinoma

② precursor lesion  $\rightarrow$  carcinoma

③ immunodeficiency  $\rightarrow$  lymphoma

\* GERD  $\rightarrow$  esophageal adenocarcinoma, due to Barret esophagus.

\* lipoma  $\rightarrow$  not convert from benign  $\rightarrow$  malignant

\* uterine leiomyoma & pleomorphic  $\rightarrow$  rare convert benign  $\rightarrow$  malignant

\* Chronic cholecystitis  $\rightarrow$  Gall bladder cancer

\* Chronic cystitis  $\rightarrow$  Bladder carcinoma

\* Tumor Marker

$\rightarrow$  prognosis

$\rightarrow$  follow up

\* Grading & staging

$\rightarrow$  prognosis

$\rightarrow$  management

of malignant (as seen in CLS X)

① Metastasis

② Local invasion

③ Anaplasia

④ Cachexia

⑤ Paraneoplastic syndrome

⑥ desmoplasia

\* staging more imp than grading