DARROW
8/13/81
Kaposi Sarcoma

Case-Control Study: Hypotheses

1. **Immunosuppression → KS →**
   a. Thrush — Clinical Symptoms
   b. Herpes — Onset of Illness
   Zoster — Skin Lesions
   Immunodepression → PCP
   — dyspnea - disturbed digestion; nausea, heartburn etc.
   — Inhalents: Has pattern of use changed?
   (Amyl + Butyl Nitrite: fever headaches)
   Steroids
   Cancer Chemotherapy
   c. enteric infections (parasites high in African children + homosexual men)
   d. viral infections

Antigen → "Immune Blockade" but antibodies are being produced.

Open-ended drug question

indolent - causing little pain, progressing slowly
indifferent to pain, apathetic, tranquil

2. **Carcinogen → KS**
   ↓
   Immunosuppression

Angioma - skin tabulations

3. Heroin Addiction → PCP
   Hepatitis (antigenemic?)
   Cytomegalovirus - transmitted by needles

4. Immunosuppression + inciting event = KS, PCP, OI
   (CMV infection)
   Quantity + Quality of Sexual Activity
   Duration of Inhalent Use
   Virus (or viroid) ?
   a. herpes viruses
   b. retroviruses (fecal-oral)