



# ECVP/ESVP Summer School in Veterinary Pathology

## Summer School 2011 – Equine Pathology

### 0904708 – UPenn

Horse – skin (prepuce)

- Skin effaced by neoplastic papillomatous growth with areas of squamous cell carcinoma
- Papilloma:
  - Papillomatous, verrucous growth
  - Hyperplastic and atypical epidermis supported by fibrous stalk
  - Neoplastic epidermal cells are hypereosinophilic, hydropic ballooning cytoplasm, keratohyaline granules, vesicular nuclei
  - Cytopathic effect (seldom seen)
  - Inclusion bodies (not seen in this case)
  - Acanthosis, hyperkeratosis
  - Sporadic mitotic figures
  - Fibrovascular stroma (stalk)
- SCC:
  - Squamous cells, bundles and islands
  - Stratum spinosum-like cells eosinophilic, large round vesicular nuclei, one or more prominent nucleoli
  - Rare mitotic figures

MD: Papilloma and squamous cell carcinoma

Cause: Equine papillomavirus