



# Eczema Vaccinatum



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# Progressive Vaccinia



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# Enlarged Site vs PV Large Reaction Differentiation



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# Enlarged Site vs PV Large Reaction Differentiation



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# Progressive Vaccinia



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# Post-Vaccinial Encephalitis Diagnosis



- Cerebral or cerebellar dysfunction
- Headache
- Fever
- Vomiting
- Altered mental status
- Lethargy
- Seizures
- Coma

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# Post-Vaccinial Encephalitis Diagnosis



- Central nervous system lesions
  - ◆ Cerebrum
  - ◆ Medulla
  - ◆ Spinal cord
- Lumbar Puncture
  - ◆ Increased opening CSF
  - ◆ Monocytosis
  - ◆ Lymphocytosis
  - ◆ Elevated CSF protein





# Post-Vaccinial Encephalopathy

- Infants under 2 years
- Acute onset 6-10 days post-vaccination
  - ◆ Seizures
  - ◆ Hemiplegia
  - ◆ Aphasia
  - ◆ Transient Amnesia
  - ◆ Generalized cerebral edema
  - ◆ Mild lymphocytic meningeal infiltration
  - ◆ Widespread ganglion dengerative changes



# Post-Vaccinial Encephalomyelitis



- Older than 2 years
- 11-15 days after vaccination
  - ◆ Fever
  - ◆ Vomiting
  - ◆ Headache
  - ◆ Malaise
  - ◆ Anorexia