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## STANDARD OPERATING PROCEDURE

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**TITLE:** Handling of Non Human Primates Suspected to have Herpes *simea* Lesions( CHV-1 or B-virus) Non Human Primate Module ( NHPM) West Valley Building, University of Western Ontario

**SOP NO.:** WV 470-01

**REVISION:** 01

**EFF. DATE:** DRAFT

**SUPERSEDES:**

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### APPROVALS

Prepared by (print name): \_\_\_\_\_ Dept.: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Reviewed by (print name): \_\_\_\_\_ Dept.: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Approved by (print name): \_\_\_\_\_ Dept.: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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### 1.0 PURPOSE

- 1.1 This SOP describes the procedures to follow when staff identify an NHP with lesions that are suspicious for B Virus.

### 2.0 SCOPE

- 2.1 This SOP applies to all NHP within the West Valley Building and outlines the procedures that animal care staff, the facility manager, and ACVS veterinarians must follow.

### 3.0 RESPONSIBILITIES

- 3.1 Personnel working with NHP housed in the West Valley Building must be familiar with herpatiform lesions of the mucoctanious junctions that could be consistant with B Virus infection.
- 3.2 Animal Care staff, the facility manager, and ACVS Veterinarians are expected to follow the procedures as outlined in this SOP unless otherwise directed by the Director ACVS.

### 4.0 Procedure To Follow When Suspicious Lesions are Observed

- 4.1 **If lesions are found that are suspicious of herpes, immediately contact an ACVS Veterinarian.**
  - 4.2 An ACVS Veterinarian will examine the unanesthetized NHP and determine if the lesion is suspicious in which case:
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- 4.2.1 The Director ACVS and the Director of Staff and Faculty Health, UWO shall be contacted immediately.
    - 4.2.1.1 The ACV Director shall contact the Director Staff and Faculty Health.
  - 4.2.2 The NHP shall be anesthetized for further examination and samples collection.
  - 4.3 The NHP will be anesthetized under the direction of an ACVS Veterinarian. A swab of the lesion is to be taken and cultured for B-Virus and blood samples obtained for B-Virus antibody titres.
    - 4.3.1 The lesion is swabbed with a sterile culture swab
    - 4.3.2 Insert the applicator halfway into the vial. Bend the applicator toward you until it snaps. Ensure that the cotton tipped portion of the applicator stays in the vial within the media. Seal the vial securely.
    - 4.3.3 Label with the date and source of the swab or object
    - 4.3.4 In a 6 ml. red top vacutainer collect a blood sample for acute viral serology.
    - 4.3.5 Using a pen with indelible ink, label the tubes with the NHPs identification, sample, location and the date.
    - 4.3.6 Samples must be placed into a sealed plastic bag and the bag disinfected (Quatricide PV-15) prior to removal from the primate facility.
    - 4.3.7 The samples will then be delivered to an ACVS technician
      - 4.3.7.1 The samples will be stored in the refrigerator in the ACVS Laboratory, MSB 514.
    - 4.3.8 Samples will be sent to the B-Virus Resource Center at Georgia State University.
    - 4.3.9 Three weeks after the acute sample has been taken, the NHP is to be anesthetized again and a second or convalescent blood sample collected in a 6 ml red top vacutainer.
      - 4.3.9.1 This second sample is to be labelled, stored and shipped as described for the acute sample.
  - 4.4 The NHP will be quarantined and under the authority of the Director ACVS until the results of the convalescent sample have been received.
  - 4.5 An ACVS Veterinarian shall:
    - 4.5.1 Consult with the Principal Investigators and the Facility Manager in order to initiate appropriate employee awareness and to reduce contact with the NHP to the minimum required for husbandry and research procedures.
    - 4.5.2 Make appropriate records on the animal's chart
    - 4.5.3 Monitor the progression of the lesion on a daily basis. The animal will be released to normal activity only if negative convalescent serum samples and lesion cultures have been received, and only upon the written authorization of an ACVS Veterinarian.
  - 4.6 The ACVS Director shall:
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- 4.6.1 Ensure that Principle Investigators and research staff, animal care staff, the ACVS Director, the RRI Biosafety Officer, and the Director of Staff Health are aware of the situation.
- 4.6.2 Consult with the Director of Staff and Faculty Health, UWO to determine handling restrictions, staff issues, and any other concerns.
- 4.6.3 Meet with the Facility Manager, ACVS Veterinarians, the animal care staff, and the Principal Investigator to discuss restrictions in handling and use of the NHP, and to determine which individuals will provide animal care duties.
- 4.7 The Facility Manager shall:
  - 4.7.1 Review applicable SOPs and Biosafety issues with animal care staff prior to them working with the suspect NHP.
  - 4.7.2 Ensure that any equipment used for this NHP prior to use with other NHPs is disinfected, and that all materials coming out of the suspect NHPs cage is disinfected
- 4.8 NHPs confirmed positive for B-Virus will be euthanized using ACVS approved methods, and the carcass incinerated.
- 4.9

### 5.0 HEALTH & SAFETY

- 5.1 Nonhuman primates ( NHP's) present hazards related to naturally occurring zoonotic organisms which may be transmitted to people. People also transmit zoonotic agents to NHP's. NHP's also present unique hazards due to their intelligence, manual dexterity, strength and speed . Please refer to SOP WV611-02 “ *Safety and Animal Handling Procedures for NonHuman Primates ( NHP's) Non Human Primate Module, West Valley Building, UWO*
- 5.2 Direct contact with NHP's requires in depth training on risks and standard operating procedures, participation in a surveillance health program as well as documented proof of training and security clearance monitored by the facility manager. Please refer to SOP WV169 “ *Non Human Primate Approval Policy, West Valley Building, UWO.*
- 5.3 All approved personnel must be enrolled, approved and monitored in the animal handlers medical surveillance program through workplace health, UWO
- 5.4 NHP housing facilities at West Valley , UWO are designed and operated at the standards required by Health Canada and Canadian Food Inspection Agency

### 6.0 REVISION HISTORY

Revision	Reason(s) for Revision	Initiated by

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**7.0 REFERENCES / ASSOCIATED MATERIALS**

7.1

**8.0 ATTACHMENTS**

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