



Name of Activity: Rabies Immune Globulin and Rabies Vaccine Administer by Emergency Department (ED)

Role Performing Activity: Physician and RN in ED

**WORK
STANDARD**

Location:
SHR Acute Care Sites Rural and Urban

Department:
Emergency Dept.

Document Owner:
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SHR – Population and Public Health

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Summary: This document outlines the steps ED physicians, TM/Rural lab and ED Nurses follow when patient presents with an animal bite deemed high risk and requiring Rabies Immune Globulin and Rabies Vaccine.

Assess Risk of Rabies Exposure

1.	<p>ED physician/Triage Nurse</p> <ul style="list-style-type: none"> a) Locates the Rabies Investigation Report form DC 129a form, located on the external SHR website under Services and Locations/Find a Service/Communicable Disease/Animal bites b) Refers to back of DC129a form to assess for risk of rabies exposure: <ul style="list-style-type: none"> ➤ If not high risk, completes the reporting form and follows the actions listed on the back of the DC129a form. <ul style="list-style-type: none"> ○ Faxes form to CDC 306-655-4723 for Public Health to provide follow-up next business day. ➤ If high risk, follow the actions listed on the back of the 129a form and proceeds with steps in WS.
2.	<p>Emergency Department (ED) Physician contacts Medical Health Officer (MHO) at 306-655-4620 to report a high risk animal bite that requires rabies immune globulin (RIG) and rabies vaccine.</p> <ul style="list-style-type: none"> a) During daytime hours M-F, CDC program is likely to receive the call and liaisons with MHO as needed to establish risk and need for RIG and rabies. b) Evenings, weekends and Stats, MHO takes the calls.
3.	<p>MHO and ED physician review the nature of the injury, the circumstances of the bite and the availability of the animal for testing.</p> <ul style="list-style-type: none"> a) Refer to the back of the DC-129a <i>Animal Bite/Injury-Physician/NP Report</i> to guide decision making. <ul style="list-style-type: none"> ➤ If CDC PHN is managing call during daytime hours, she consults with MHO before decision is made to release RIG and rabies vaccine.

4.	<p>ED Physician/ED RN</p> <ul style="list-style-type: none"> a) Checks immunization status on eHRviewer. A history of immunization may negate the need for an immune globulin product or rabies vaccine. <ul style="list-style-type: none"> ➤ Veterinarians and travelers may have received the rabies vaccine. ➤ May require a tetanus booster. Refer to back of DC129a form for information.
5.	<p>ED physician</p> <ul style="list-style-type: none"> a) Explains to the patient the need for rabies immune globulin and rabies vaccine and confirms patient is agreeable to the provision of one or both products before ordering from Transfusion Medicine/Rural Lab. b) Calculates the amount of Rabies Immune Globulin required based on patient weight in kilograms using the formula on the DC-129a. c) Writes the medical order.
6.	<p>MHO</p> <ul style="list-style-type: none"> a) Notifies RUH Transfusion Medicine (TM) 24/7 to release products. b) Notifies Humboldt, Watrous or Wadena Lab to release the products. <ul style="list-style-type: none"> ➤ During daytime calls lab directly. ➤ During evenings, weekends and stats calls hospital operator and asks to speak to Nurse in Charge. <ul style="list-style-type: none"> ○ HDH: Nurse in Charge may also be ED RN so MHO could ask physician if he/she could speak directly to nurse in charge to authorize the release of the products.
Acquiring Rabies Immune Globulin and Rabies Vaccine	
7.	<p>Products won't be released by TM or Rural Lab without an MHO verbal order and receipt of the <i>Transfusion Medicine Service Plasma Protein Product Request Form (SHR Printing SHR form103221)</i> from the Emergency Dept.</p>

8. ED RN
- a) Orders rabies immune globulin and rabies vaccine based on the physician order by completing the *Plasma Protein Product Request Form (SHR Printing Form #103221)*.
 - o Form available under Laboratory Dept/Requisitions/Transfusion Medicine.
 - b) Sends the request form #103221 to one of the following locations to initiate release of the products:
 - RUH Transfusion Medicine (TM) for SPH, RUH, SCH.
 - o RUH TM arranges for transport of products to SPH and RUH so expect a delay in receiving them.
 - o SPH and SCH will need to use the *Transfusion Medicine and the Blood Product and Component slip* form #102930 to retrieve the products from TM when they arrive from RUH.
 - Hospital lab in Humboldt, Watrous and Wadena.
 - o Take the completed Request form #103221 directly to the laboratory to retrieve products from the lab technologist.
 - c) Obtains the products by completing *Blood Product and Component Pick Up Slip* (SHR Printing form #102930) as per instructions below:
 - RUH: Page TM porter. If porter not available, unit staff will need to take the completed slip to TM.
 - SPH &SCH: Unit staff will need to take the completed slip to TM.
 - Rural sites:
 - o Regular hours: Unit staff receive products upon receipt of request form #103221.
 - o Evenings/Weekends/Stats:
 - HDH*: Nurse in charge retrieves products directly from lab fridge.
 - Watrous and Wadena: Nurse in charge phone on -call lab staff to issue product.

9.	<p>TM/Rural Lab/Nurse in Charge (rural evening/weekends/stats)</p> <ol style="list-style-type: none"> a) Refers to the SHR Request form #101059 for amount of product needed. b) Retrieves the products from the fridge and: <ul style="list-style-type: none"> ➤ Places a dose of rabies vaccine in the plastic bag labeled Rabies Vaccine: <ul style="list-style-type: none"> ○ The bag contains the following forms: <ul style="list-style-type: none"> ▪ Rabies Immune Globulin and Vaccine fact sheet ▪ Rabies Post Exposure Immunization Patient Information DC-129f. ➤ Places the correct # of RIG vials in the plastic bag labeled Rabies Immune Globulin. <ul style="list-style-type: none"> ○ The bag contains the following forms: <ul style="list-style-type: none"> ▪ Transfusion/Infusion Administration and Assessment record #100059 ▪ Rabies Immune Globulin and Rabies Vaccine Physician Administration and Reporting Form DC-129d ▪ Blood Transfusion Booklet for Patients ▪ Informed Consent For Administration of Blood/Blood Components SHR Printing #101479 ▪ Notification of Administration of Blood products and/or Blood Products. ▪ Rabies Immune Globulin and Vaccine fact sheet c) Follows local lab policy for issuing blood/plasma products. <ul style="list-style-type: none"> ➤ In Rural HDH: Nurse-in Charge signs the SHR Request form #101059 indicating product has been taken from fridge and leaves the form in the lab for their records.
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Administration of Rabies Immune Globulin and Rabies Vaccine

10.	<p>ED Physician:</p> <ol style="list-style-type: none"> a) Receives the products from TM/Rural Lab with the accompanying forms and client reference material/consent. <ul style="list-style-type: none"> ➤ Products must be administered upon receipt from TM/Rural Lab to maintain cold chain. ➤ Products should be protected from light until administered. b) Provides patient with: <ul style="list-style-type: none"> ➤ SHR Blood Transfusion Information for Patients Handbook. ➤ Rabies Immune Globulin and Vaccine Fact Sheet. c) Reviews information on rabies immune globulin and rabies vaccine and required vaccine schedule using the <i>MoH Rabies Immune Globulin and Vaccine Fact Sheet</i>. d) Obtains informed consent using <i>Informed Consent for Blood/Blood Components and Fractionation Products</i> SHR (SHR Form #101479) as per SHR policy #7311-50-004.
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11.	<p>ED RN:</p> <ul style="list-style-type: none"> a) Assesses BP, TPR within 30 minutes of patient receiving infiltration/injection of RIG and records on the Transfusion/Infusion Administration and Assessment Record (SHR Printing Form#101059). Form accompanies the product. b) Ensures client has received information about the products and consent signed by patient and physician. c) Completes checklist on the top left hand corner of the Transfusion Administration and Assessment Record d) Assists the physician as needed when he/she infiltrates the wound with RIG/injects IM .
12.	<p>ED Physician:</p> <ul style="list-style-type: none"> a) Administers RIG by infiltration into the affected site, with remaining RIG administered IM if necessary. <ul style="list-style-type: none"> ➤ Refer to the <i>Rabies Immune Globulin (RIG) and Rabies Vaccine Physician Administration and Reporting Form DC-129d</i> for guidance. ➤ Complete documentation of RIG given on DC-129d form. b) Provide the completed forms below to the RN: <ul style="list-style-type: none"> ➤ <i>Animal Bite/Injury Physician Reporting Form DC-129a.</i> ➤ <i>RIG and Rabies Vaccine Physician Administration and Reporting form DC129d.</i> ➤ <i>Rabies Post Exposure Immunization Patient Information DC-129f.</i> ➤ <i>Informed Consent SHR Printing form #101479.</i>

13.	<p>ED RN:</p> <ul style="list-style-type: none"> a) Administers rabies vaccine as per medical order. <ul style="list-style-type: none"> ➤ Document vaccine given on the DC129d form AND ➤ Document on the <i>Rabies Post-Exposure Immunization Patient Information</i> form DC-129f. <ul style="list-style-type: none"> ○ Record date given and lot# (day 0) ○ Calculate the date due for 2nd dose (day 3) ○ Give document to patient as record of vaccine given. ○ If day 3 falls on weekend or stat, advise the client that Public Health will follow-up to arrange for subsequent doses. b) Reviews potential adverse reactions using the Ministry of Health RIG and Rabies Vaccine Fact Sheet (accompanies the products) and advises patient to seek medical care if any symptoms become apparent over next 48 hours. c) Monitors patient for 15 minutes post administration for unusual reaction to vaccine or immune globulin product. <ul style="list-style-type: none"> ➤ Records BP and TPR before patient is discharged/leaves facility. d) Documents on the <i>Transfusion/Infusion Administration and Assessment Record</i> (SHR Printing Form #101059). Form accompanies product. e) Completes: <ul style="list-style-type: none"> ➤ <i>Notification of Administration of Blood and/ or Blood Product</i> (SHR Printing Form #103854). Form accompanies product. f) Faxes to CDC 306-655-4723: <ul style="list-style-type: none"> ➤ Animal Bite/Injury Physician Reporting Form DC-129a. ➤ <i>Rabies Immune Globulin (RIG) and Rabies Vaccine Physician Administration and Reporting Form</i> DC-129d. g) Retains faxed documents (DC129a and DC129d) for the patient chart. h) Provides the patient with: <ul style="list-style-type: none"> ➤ <i>Rabies Post Exposure Immunization Patient Information</i> form DC-129f. ➤ <i>Notification of Administration of Blood and/or Blood Product</i> (SHR Printing Form#103854).
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Reference: SHR Nursing Policy 1141 Blood, Blood Components and Plasma Protein Products-Administration.

SHR Policy 7311-50-004 Informed Consent for Blood/Blood Components and Fractionation Products For Transfusion.

*Manager of Laboratory (Rob Ruskin) approved HDH picking up products directly from lab fridge during evening/weekends/stats due to the existing practice of picking up blood using this process. Sept 2016.