

Special Pathogens Response Center (SPARC) SOP: Portable Radiology in the Special Pathogen Unit (SPU)	
Subject	This procedure will define a process for safely portable imaging on a patient with a known or suspected special pathogen.
Supplies	• Portable X-ray machine • 14x17 cassettes (2) • Cassette covers (2) • Portable drapes • 1 lead apron (1 in the patient room) • Portable rolling shield (stored in the patient room)
Procedure	• Order for x-ray entered into Epic. • The cassette will be barcoded with the correct patient demographics. • The cassette will be bagged by folding over the edge to ensure complete coverage of the cassette. Bag the cassette a second time. • The technologist will not go into the patient's room but will hand the cassette to the patient's RN for placement with guidance from the technologist. • Staff in the room will wear a lead apron. In the event the image can be obtained from the glass window: • If possible, the image will be taken from outside the room through the glass window or from the door. • The RN in the room will clean the bag covering the cassette with an EPA-registered disinfectant from List L or List Q and wipe thoroughly. ○ Super Sani Cloth (Purple top wipe) wet time: 2 minutes ○ Bleach wipe (orange top wipe) wet time: 4 minutes • The RN will hold the bag to allow the technologist to remove the cassette from the bag. The technologist will have on gloves when touching the cassette. In the event the image cannot be taken from outside the patient's room: • The technologist will don special pathogen PPE with guidance from a Trained Observer (TO). • The technologist will bring the machine into the room. • The staff in the room will follow the above instructions for placing the wrapped cassette under the patient and position the patient as needed for the x-ray. • The technologist will situate the machine where it is needed for taking the image without touching the patient. • The technologist and the SPU team will decontaminate the machine with an EPA-registered disinfectant from List L or List Q and wipe thoroughly. ○ Super Sani Cloth (Purple top wipe) wet time: 2 minutes ○ Bleach wipe (orange top wipe) wet time: 4 minutes

	• The machine will be pushed out of the room over a chemical mat and disinfected a 2nd time before being taken to the doffing room for storage. It will be dedicated to the patient until discharge. • The technologist will exit the room at the direction of the TO and doff PPE with the TO.
References	Auffermann, W. F., Kraft, C. S., Vanairsdale, S., Lyon, G. M., & Tridandapani, S. (2015). Radiographic imaging for patients with contagious infectious diseases: How to acquire chest radiographs of patients infected with the Ebola virus. <i>American Journal of Roentgenology</i> , 204(1), 44–48. https://doi.org/10.2214/ajr.14.14041
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