



## CCSNM Artifact Submission

Are you interested in submitting an interesting artifact study to CCSNM? Each month an interesting case or artifact study will be presented on the CCSNM web site. Please follow the following requested format and send images as jpeg or tif format. All images and reported information must have the patient information removed and follow HIPAA compliance. Email your interesting case or interesting artifact to: [info@ccsnm.org](mailto:info@ccsnm.org)

### Interesting Artifact

#### **What went wrong?**

Upon review from the Radiologist or the technologist, the following image(s) discovered this interesting phenomenon. Predicted what happened to cause this artifact on the images.

Please provide the following information:

#### **History:**

- Provide a brief medical history and main complaint from the patient.
- Provide the age and gender of the patient.

#### **Procedure:**

- Explain the ordered exam, imaging parameters, and procedure (brief).
- Provide the isotope used for the study and length of time imaging.
- Provide enough information for the viewer to determine a good guess at what the artifact is caused from.

#### **Images:**

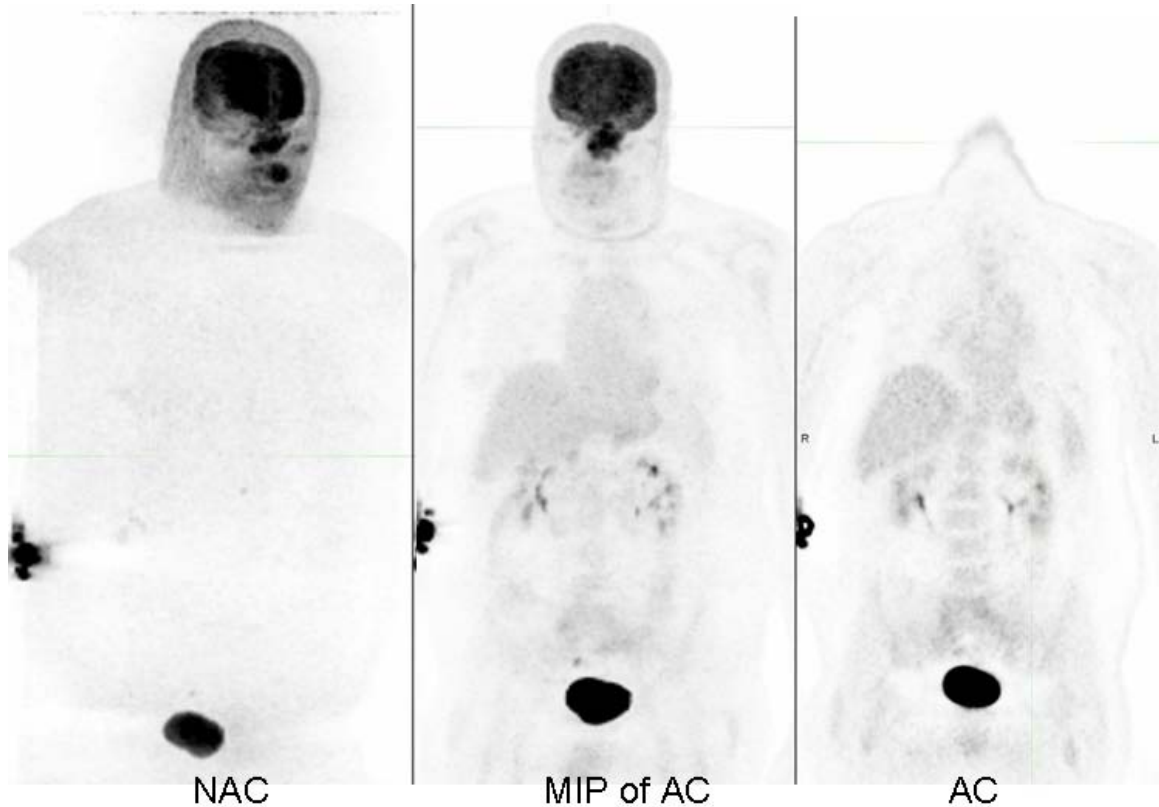
- Supply 1-3 images of the interesting finding.
- Formatted in jpeg or tif images.

#### **Multiple Choice Questions:**

- Please provide 4 possible causes of the artifact.
- Provide the answer to the proposed options.

*Example:*

## ***What went wrong?***



*History:*

*A 67 year old male patient has a history of a single pulmonary nodule and smokes 1 pack a day. The Oncologist ordered a PET-CT exam. The patient followed a fasting protocol of 6 hours prior to the study. The patient had a blood glucose level of 110 mg/dl upon arriving in the department. 13.8 mCi of F-18 FDG was injected and a 66 minute uptake interval occurred. The PET-CT exam was imaged from the top of the head to mid-thigh. The technologist performed the scout view, CT and then the PET portion of the exam.*

*Upon review from the Radiologist, the following image(s) discovered this interesting phenomenon. Predicted what happened to cause this artifact on the images.*

*Possible causes:*

- A) The technologist infiltrated the dose of FDG.*
- B) The patient has advanced brain metastatic disease.*
- C) The patient didn't void prior to imaging.*
- D) The PET well counter needs to be recalibrated.*

*Answer: A*