

## **Appendix E1**

### **CT Scanning Protocol**

Imaging was performed on at least a Siemens Somatom Sensation 64-slice Scanner (Siemens, Munich, Germany). Images were performed in a single breath hold with the patient supine and arms above the head. Image acquisition parameters included a 0.5 pitch, 120 kVp, 250 mAs, and  $24 \times 1.2$  mm collimation. Scans were triggered when the main pulmonary artery reached an attenuation of 100 Hounsfield units. Scan coverage starts from the top of lungs and extends to the bottom of the lungs. Images were reconstructed at 1.5 mm axial, 3.0 mm coronal, 3.0 mm sagittal, and 10.0 mm maximum intensity projection.