

**Supplementary Table 1. Tasks Performed during Each Period**

Tasks	1st Visit	2nd Visit	3rd Visit	Telephone Call
	Screening Up to 14 Days before CT Scan	CT Scan	24 Hours after Iohexol Administration	Safety Follow-Up 7 Days after CT Scan <sup>††</sup>
Inclusion and exclusion criteria	√	√		
Demographic data and medical history	√			
Physical examination	√			
Vital signs (including weight and height)	√	√		
12-lead ECG	√	√		
Pregnancy test*	√	√		
Serology <sup>†</sup>	√			
Urinalysis <sup>‡</sup>	√			
Laboratory tests: hematology <sup>§</sup> , biochemistry <sup>  </sup>	√		√	
Blood collection for pharmacokinetic analysis <sup>¶</sup>		√		
Prior/concomitant medication**	√	√	√	√
Record adverse events		√	√	√
Informed consent	√			
Randomize to treatment		√		
Administer iohexol		√		
CT scan		√		

\*Urine test at screening and on day of CT scan, <sup>†</sup>Tests for hepatitis B surface antigen, hepatitis C, and HIV antibodies, <sup>‡</sup>Urinalysis - pH, protein, glucose, bilirubin, blood, microscopy for cells and casts, <sup>§</sup>Hematology - hemoglobin, packed cell volume, red blood cell count, mean corpuscular hemoglobin, mean corpuscular hemoglobin concentration, white blood cell count and differential, platelet count, <sup>||</sup>Clinical chemistry - sodium, potassium, uric acid, blood urea nitrogen, serum creatinine, total protein, albumin, total bilirubin, ALT, AST, alkaline phosphatase, GGT, non-fasting glucose, <sup>¶</sup>Pharmacokinetic assessments will be performed in subset of subjects in each group at selected centers only. Blood will be collected by intravenous catheter equipped with heplock using NaK3EDTA as anticoagulant at time points: pre-dose, 1, 5, 30, 60 minutes, 2, 4, 6, 8, 10 and 12 hours. Plasma samples will be separated by centrifugation and stored at -70°C until sample analysis. Plasma samples will be shipped to bioanalytical laboratory for iohexol concentration measurements, \*\*Prior medication (over previous 3 months) and continuing medication, <sup>††</sup>Subjects who experience delayed adverse reactions following CT scan should contact investigative site immediately. Depending on outcome of safety follow-up, subject may be requested to attend investigative site for additional visit(s) and/or examinations, at investigator's discretion. ALT = alanine transaminase, AST = aspartate aminotransferase, ECG = electrocardiography, GGT = gamma-glutamyl transpeptidase