

Supplementary Table 1: Irradiation Procedures

Institution	n NSL	n SWI+	Irradiation				Geometry		Sedation	Supportive Care
			Radiator	Energy	Dose Rate (Gy/min)	Dose Range (Gy)	Animal Position	Beam Orientation		
AFRRI	63	8	Co-60	1.25 MeV	0.6	1.1 - 8.5	Seated	LR-RL	Ketamine	Antibiotics, anti-diarrheal medications, anti-emetics, supplemental hydration, supplemental nutrition, whole blood transfusion
Citox Labs	6	2	Co-60	1.25 MeV	0.6	4	Standing	AP-PA	Awake	Anti-emetics
LRRI	19	0	LINAC	6 MV	0.67	6.6 - 6.8	Supine	LR-RL	Ketamine & Isoflurane	Antibiotics
UMD	2	4	LINAC	6 MV	0.8	7.5 - 8.5	Supine	PA-AP	Awake	Analgesics, anti-diarrheal medications, gastroprotectants, supplemental hydration, supplemental nutrition
UIC	12	2	LINAC	6 MV	0.8	6.75 - 8.05	Supine	AP-PA	Ketamine	Antibiotics, whole blood transfusion, supplemental hydration, supplemental nutrition
WFSM	2	0	LINAC	6 MV	0.8	6	Supine	LR-RL	Ketamine & Isoflurane	Analgesics, antibiotics, supplemental hydration, supplemental nutrition
Total	104	16								

NSL: No significant lesions; SWI: Susceptibility weighted imaging (brain lesion); Gy: Gray; AFRRI: Armed Forces Radiobiology Research Institute; LR: Left-right; RL: Right-left; AP: Anterior-posterior; PA: Posterior-anterior; LRRI: Lovelace Respiratory Research Institute; UMD: University of Maryland; UIC: University of Illinois at Chicago; WFSM: Wake Forest School of Medicine