

# Acquired Immunity Is Not Essential for Radiation-Induced Heart Dysfunction but Exerts a Complex Impact on Injury

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**Table S1.** Ultrasound parameters for SS WT and IL2RG<sup>-/-</sup> male and female rats at 3 months after RT. Values are means ± SEM; \*  $p < 0.05$ , # $p < 0.01$  for WT versus IL2RG<sup>-/-</sup>.

Ultrasound Parameters for SS Rats 3 Months Post Radiation										
Sex:	Female					Male				
Genotype:	WT ( $n = 9$ )		IL2RG <sup>-/-</sup> ( $n = 14$ )			WT ( $n = 16$ )		IL2RG <sup>-/-</sup> ( $n = 9$ )		
LVIDd cm/kg	2.42	± 0.09	2.78	± 0.07	#	1.81	± 0.04	2.06	± 0.08	#
LVIDs cm/kg	1.09	± 0.15	1.50	± 0.11	*	0.94	± 0.06	1.23	± 0.06	#
ESV mL/kg	0.31	± 0.11	0.52	± 0.10		0.37	± 0.06	0.57	± 0.07	*
EF %	87.59	± 4.03	81.59	± 2.67		83.45	± 1.99	76.10	± 2.34	*
% FS	56.18	± 5.15	46.73	± 3.02		48.73	± 2.47	40.45	± 2.15	*
SV mL/kg	1.72	± 0.11	2.05	± 0.09		1.72	± 0.06	1.81	± 0.10	

**Table S2.** Ultrasound parameters for SS WT and IL2RG<sup>-/-</sup> male and female rats at 5 months after RT. Values are means ± SEM; \* $p < 0.05$  for WT versus IL2RG<sup>-/-</sup>.

Ultrasound Parameters for SS Rats 5 Months Post Radiation										
Sex:	Female					Male				
Genotype:	WT ( $n = 6$ )		IL2RG <sup>-/-</sup> ( $n = 12$ )			WT ( $n = 14$ )		IL2RG <sup>-/-</sup> ( $n = 9$ )		
LVIDd cm/kg	2.68	± 0.11	2.80	± 0.11		1.79	± 0.07	1.96	± 0.09	
LVIDs cm/kg	1.33	± 0.14	1.58	± 0.10		0.95	± 0.07	1.18	± 0.05	*
ESV mL/kg	0.49	± 0.10	0.58	± 0.11		0.37	± 0.07	0.58	± 0.05	
EF %	80.93	± 3.88	78.88	± 2.78		81.92	± 2.67	75.02	± 1.68	
% FS	45.87	± 4.41	43.42	± 2.52		46.87	± 2.52	39.22	± 1.44	*
SV mL/kg	2.08	± 0.19	2.19	± 0.16		1.63	± 0.15	1.74	± 0.14	

