

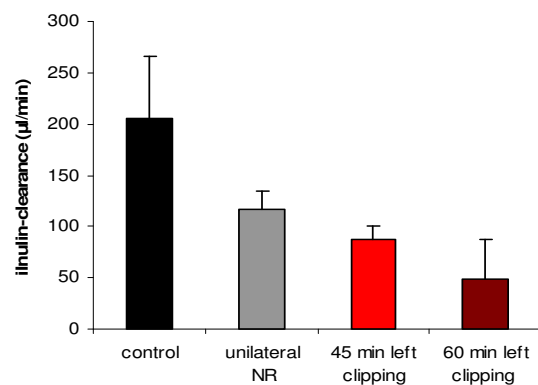
Post-Ischemic Renal Fibrosis

Scope of application

IR-injury causes acute inflammation and results in a transient decrease of renal function. The long-term consequence of prolonged ischemia can be progressive renal fibrosis.

Models

Unilateral renal pedical clamping can be performed for 45 to 60 min depending on the mouse/rat strain. This will lead to progressive loss of renal function and severe renal atrophy and fibrosis.



Unilateral IR injury in mice causes renal atrophy within four weeks. Decrease of renal function is already detectable after one week (histogram).