

Laboratory: Experimental Hypertension

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Topic: Mechanisms of blood pressure regulation, pathophysiology of hypertension, end-organ damage in hypertension and chronic kidney disease

Annotation: Hypertension and chronic kidney disease (CKD) belong to important health care problems. Department of Experimental hypertension solves the topics associated both with the mechanisms of high blood pressure and CKD but also with new drugs for their treatments. Several interesting models of hypertension (Dahl salt-sensitive, Ren-2 transgenic rats) and chronic kidney disease (partial nephrectomy, 2-kidney-1-clip) are available at the Institute. Telemetry blood pressure monitoring is the most accurate method how to measure and analyze BP parameters in freely moving animals.