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# SHR, Rat Strain

National Cancer Institute

## Source

National Cancer Institute. *SHR, Rat Strain*. NCI Thesaurus. Code C14412.

SHR: rats develop hypertension spontaneously without exception at the age of 7-15 weeks. There is a systolic blood pressure plateau of about 200 mmHg. The genetic basis is polygenic, with at least three major genes involved (Tanase and Suzuki 1971, Yen et al 1974). There is a high incidence of cardiovascular disease (Okamoto et al 1973), but a low incidence of stroke which can be increased to about 30% with chronic stress (Yamori 1984).