

**Change of blood pressure and vasorelaxation on
EAE-induced lewis rat**

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Pathogenesis of experimental allergic encephalomyelitis was involved with infection, inflammatory reaction, immune reaction etc. We studied on relation of blood vessel system and EAE. So, we measured blood pressure, heart rate and relaxation of isolated blood vessel in control and EAE-induced lewis rats.

Blood pressure was decreased before EAE clinical sign (0-20day), but was increased from 23day.

In isolated blood vessel, acetylcholine-treated relaxation was different on control, maximum EAE stage, recovery stage. Acetylcholine-treated relaxation was reduced 30% in recovery stage. but, sodium nitroprusside had similar relaxation reaction.

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