



김 성 은

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## Pharmacology of AED

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Epilepsy is one of the most common neurological disease and anti-epileptic drugs (AEDs) are main treatment option. Since last decade several new AEDs have been introduced in the field of epilepsy treatment, but the successful response rate to AEDs has not been changed. We are discussing the pharmacology of AEDs as follows; 1) pharmacokinetics of AEDs, 2) pharmacodynamics of AEDs, 3) clinical pharmacology of AEDs. The pharmacokinetics of AEDs can be explained about the absorption, bioavailability, distribution, metabolism and elimination of AEDs. The transport of AEDs into the brain is also discussed. The pharmacodynamics of AEDs are handling the mechanisms of actions, especially from treatment aspects. Finally, the significance of clinical pharmacology is made a point in prediction of response or adverse effects from AEDs in individual level.

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**Key Words:** AED, Phamacokinetics, Pharmacodynamics

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