

CASE STUDY: PATIENTS EPILEPSY COMORBID PSYCHOSIS

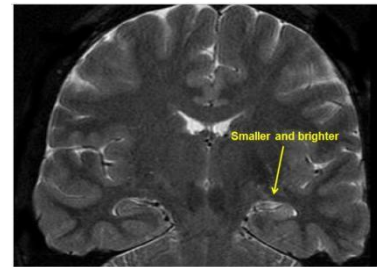
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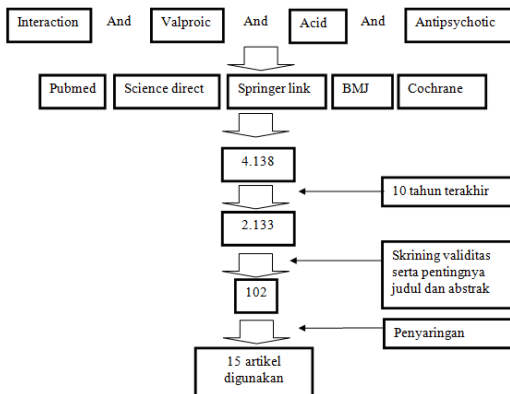
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**Background:** 39 % Epilepsy comorbid psychiatri disorder, prevalence of psychotic comorbid epilepsy is about 10-19%, found in patients with temporal lobe epilepsy or refractory epilepsy. In epileptic patients with psychotic symptoms, drug interactions between valproic acid and antipsychotics (AP) need to be considered because some APs can have seizure side effects, thus triggering a seizure stimulation threshold in people with epilepsy.



Medial TLE can be associated with hippocampal sclerosis, as shown on the MRI scan above.

**Method:** Literature search



**Case report:** Ms. LL, a 55-year-old woman, bachelor, 20 year old diagnosis epileptic seizures. Therapy asam valproat, riclona 2 mg, 6 month comorbid phycosis (ide referensi with unstabil emosional). additional therapy clozapin 12.5 mg only night  
**Problem:**  
 the frequency of seizures

**Discussion:** Valproic acid as a strong inhibitory broad spectrum enzyme as inhibits the activity of UGTT1A4, UGT2B7, CYP2C9; weakly CYP2C19 and CYP3A4; but does not inhibit CYP1A2, CYP2D6, CYP2A. Interaction valproic acid with AP olanzapine, inductive effect of valproate acid meaning Induced (speed up metabolicd drug) àdrug availability -. Haloperidol inhibitor CYP3A4, CYP2D6, UDP glucuronidation, and aripiprazole inhibitor CYP2D6, CYP3A4 meaning inhibition (slow/un metabolic drug) àdrug availability ↑

**Conclusion:** Interaction valproat choice haloperidol or aripiprazole

**Keyword:** interaction, antiepileptic, antipsychotic, valproic acid.

Brodie MJ. Epilepsy, Antiepileptic Drugs, and Aggression: An Evidence-Based Review. *Pharmacol Rev.* 2016 Jul; 68(3): Page No. 563–602

## References

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