

ANTIEPILEPTIC DRUGS

NCLEX-RN Pharmacology Infographic · 2026 Test Plan

🧠 Neuro System

⚡ Seizure Management

🕒 Clinical Judgment

PHENYTOIN

Dilantin

LAMOTRIGINE

Lamictal

CARBAMAZEPINE

Tegretol

LEVETIRACETAM

Keppra

🕒 Master-Level Priorities for All AEDs:

- NEVER stop abruptly → status epilepticus
- Monitor for suicidal ideation (FDA black box for ALL AEDs)
- Seizure precautions: pad rails, suction, O₂ at bedside
- Teratogenic risk → contraception counseling
- Maintenance of airway is the #1 priority during seizure

PHENYTOIN (Dilantin)

Class: Hydantoin Anticonvulsant · Class 1B Antiarrhythmic

🧠 Neurologic System

1 DRUG OVERVIEW

- ▶ Tonic-clonic (grand mal) seizures
- ▶ Complex partial (focal) seizures
- ▶ Status epilepticus (2nd-line after benzos)
- ▶ Prevention of post-neurosurgery seizures
- ▶ Off-label: digoxin toxicity-induced dysrhythmias

2 MECHANISM OF ACTION

Blocks voltage-gated Na^+ channels →
Stabilizes neuronal membranes →
Slows recovery of Na^+ channels →
↓ repetitive neuronal firing →
Seizure suppression

3 THERAPEUTIC EFFECTS

- ▶ ↓ frequency & severity of seizures
- ▶ Normalized EEG activity
- ▶ Therapeutic drug level maintained
- ▶ No breakthrough seizure activity

THERAPEUTIC RANGE
10 - 20 mcg/mL

4 SIDE EFFECTS & ADVERSE REACTIONS

COMMON

- Gingival hyperplasia
- Hirsutism (↑ body hair)
- Coarsening of facial features
- GI upset, drowsiness
- Pink/red-brown urine (harmless)

🚑 SERIOUS

- **Nystagmus** = early toxicity
- Ataxia, slurred speech
- **Purple glove syndrome** (IV)
- Stevens-Johnson Syndrome
- Agranulocytosis, aplastic anemia
- Hepatotoxicity
- Osteoporosis (long-term)

🚑 **TOXICITY LADDER:** Nystagmus → Ataxia → Slurred speech → Confusion → Coma

5 PRIORITY NURSING CONSIDERATIONS

- ▶ **ASSESS** oral cavity → report gum overgrowth
- ▶ **MONITOR** serum levels, CBC, LFTs
- ▶ **HOLD** if level >20 mcg/mL or nystagmus present
- ▶ **NOTIFY** provider for rash → possible SJS
- ▶ **CONTRAINDICATED:** sinus bradycardia, AV block, pregnancy (Cat. D)
- ▶ Interactions: warfarin, OCPs, digoxin, valproate, antacids
- ▶ Induces CYP450 → reduces OCP effectiveness

PHENYTOIN (Dilantin) · continued

6 LABS & DIAGNOSTICS

- ▶ **Phenytoin level:** 10–20 mcg/mL (draw trough)
- ▶ <10 = subtherapeutic → seizure risk
- ▶ >20 = toxicity → nystagmus, ataxia
- ▶ >30 = severe toxicity → coma possible
- ▶ **CBC:** monitor for agranulocytosis
- ▶ **LFTs:** AST/ALT for hepatotoxicity
- ▶ **Albumin:** low albumin → ↑ free phenytoin → toxicity
- ▶ **Vit D, Ca²⁺:** long-term use ↓ bone density

7 ADMINISTRATION & SAFETY

- ▶ **IV: ONLY with Normal Saline** (precipitates in D5W)
- ▶ IV rate ≤ 50 mg/min (adults) → cardiac arrest risk
- ▶ Use in-line filter for IV administration
- ▶ Flush line with NS before & after IV dose
- ▶ PO: shake suspension well, consistent timing
- ▶ Do NOT mix suspension with enteral feeds (↓ absorption)
- ▶ Hold tube feeds 1–2 hr before/after PO dose
- ▶ **Fosphenytoin (Cerebyx)** = safer IV alternative

8 PATIENT EDUCATION

- ▶ Take at **same time every day** — never skip
- ▶ Brush & floss daily → prevent gingival hyperplasia
- ▶ See dentist every 3–6 months
- ▶ Medical alert bracelet required
- ▶ No alcohol (↑ CNS depression)
- ▶ Use **backup contraception** (↓ OCP effect)
- ▶ Report: rash, bruising, fever, sore throat immediately
- ▶ Urine color change is harmless
- ▶ Never stop abruptly → status epilepticus

9 NCLEX TEST TRAPS ⚠

- ▶ IV phenytoin + D5W = **WRONG** (crystallizes) → always NS
- ▶ Nystagmus ≠ side effect → it's **TOXICITY**, hold dose
- ▶ Pink urine is **harmless**, not a complication
- ▶ Gingival hyperplasia → teach oral care, NOT stop drug
- ▶ Low albumin patient → measure **free** phenytoin level
- ▶ Do not confuse with fosphenytoin dose (mg PE)

10 MEMORY BOOSTERS

"**PHENYTOIN**" → **P**urple glove, **H**irsutism, **E**nzyme inducer, **N**ystagmus, **Y**ellow-brown urine, **T**eeth (gums), **O**steoporosis, **I**ncreased coagulation issues, **N**arrow therapeutic range

"**10-20 or TOXIC**" → therapeutic 10–20; above that = toxic

NS ONLY → "Phenytoin is a **PicKy** drug — Picks only normal Saline"

CLINICAL JUDGMENT SNAPSHOT — PHENYTOIN

#1 PRIORITY RISK:

IV infiltration causing **purple glove syndrome** & cardiac arrest from rapid IV push

WHAT HARMS FIRST:

Rapid IV = hypotension, bradycardia, cardiac arrest; precipitation in D5W = tissue necrosis

FIRST NURSING ACTION (toxicity):

STOP infusion → assess airway → VS → draw phenytoin level → notify provider

LAMOTRIGINE (Lamictal)

Class: Phenyltriazine Anticonvulsant · Mood Stabilizer

🧠 Neurologic / Psychiatric System

1 DRUG OVERVIEW

- ▶ Partial (focal) seizures — adjunct & monotherapy
- ▶ Primary generalized tonic-clonic seizures
- ▶ Lennox-Gastaut syndrome
- ▶ **Bipolar I maintenance** (prevents depressive episodes)
- ▶ Often preferred in pregnancy (lower teratogenic risk)

2 MECHANISM OF ACTION

Blocks voltage-gated Na⁺ channels →
Inhibits presynaptic glutamate release →
↓ excitatory neurotransmission →
Stabilizes neuronal membranes →
Mood & seizure control

3 THERAPEUTIC EFFECTS

- ▶ ↓ seizure frequency
- ▶ Mood stabilization (bipolar)
- ▶ ↓ depressive episodes in bipolar
- ▶ Improved EEG patterns

THERAPEUTIC RANGE
3 - 14 mcg/mL

4 SIDE EFFECTS & ADVERSE REACTIONS

COMMON

- Dizziness, headache
- Diplopia, blurred vision
- Nausea, vomiting
- Ataxia, somnolence
- Insomnia, tremor

🚨 SERIOUS

- **Stevens-Johnson Syndrome** 🚨🚨
- **Toxic Epidermal Necrolysis (TEN)**
- DRESS syndrome
- Aseptic meningitis
- Hemophagocytic lymphohistiocytosis
- Suicidal ideation (black box)

🚨 **BLACK BOX: Life-threatening rash (SJS/TEN) — highest risk in first 2-8 weeks. Risk ↑ if dose titrated too fast or combined with valproate.**

5 PRIORITY NURSING CONSIDERATIONS

- ▶ **ASSESS** skin DAILY during titration
- ▶ **MONITOR** for ANY rash, fever, lymphadenopathy, mucosal lesions
- ▶ **HOLD** immediately and notify if ANY rash
- ▶ **NOTIFY** for suicidal thoughts, behavior changes
- ▶ **Titrate SLOWLY** over weeks — NEVER skip titration
- ▶ Valproate **DOUBLES** lamotrigine level → lower dose
- ▶ Carbamazepine/phenytoin ↓ lamotrigine level → higher dose
- ▶ OCPs ↓ lamotrigine level (pill-free week → ↑ level)

LAMOTRIGINE (Lamictal) · continued

6 LABS & DIAGNOSTICS

- ▶ **Lamotrigine level:** 3–14 mcg/mL (used selectively)
- ▶ Routine blood monitoring **NOT required**
- ▶ CBC if clinical concern (DRESS, hematologic)
- ▶ LFTs at baseline & with symptoms
- ▶ Renal function baseline
- ▶ Pregnancy test before initiation

7 ADMINISTRATION & SAFETY

- ▶ **Oral only** — tablet, chewable, ODT, ER
- ▶ **SLOW titration is the #1 safety rule**
- ▶ Typical start: 25 mg daily × 2 wk, then 50 mg × 2 wk...
- ▶ If dose missed >5 days → restart titration
- ▶ If >5 days off → **DO NOT** resume at previous dose
- ▶ Can take with or without food
- ▶ ODT: dissolve on tongue, no water needed

8 PATIENT EDUCATION

- ▶ **STOP & call 911 for ANY rash**
- ▶ Especially rash + fever + mouth sores = emergency
- ▶ Take at same time daily — do NOT double-up
- ▶ Do not stop abruptly
- ▶ Report suicidal thoughts or mood changes
- ▶ Avoid alcohol
- ▶ Medical alert bracelet
- ▶ May take weeks to reach full effect
- ▶ Tell all providers before any dose change

9 NCLEX TEST TRAPS ⚠

- ▶ "Mild rash" on lamotrigine = **NOT mild** → HOLD drug
- ▶ Do not "wait and see" with rash — any rash = stop
- ▶ Rapid titration is the #1 error → SJS risk
- ▶ Combining with valproate? → dose must be HALVED
- ▶ Missed >5 days → restart titration, don't resume full
- ▶ Used for bipolar maintenance, NOT acute mania
- ▶ Unlike most AEDs, does not cause sedation at therapeutic doses

10 MEMORY BOOSTERS

"**LAMO-TRIGGERS RASH**" → the L-drug = Life-threatening rash

"**SLOW & LOW**" → titrate slowly, start low — SJS prevention

"**LAMB = BIPOLAR**" → Lamotrigine preferred for bipolar depression

VALPROATE + LAMO = ½ DOSE → valproate doubles the level

🧠 CLINICAL JUDGMENT SNAPSHOT — LAMOTRIGINE

#1 PRIORITY RISK:

Stevens-Johnson Syndrome / TEN — skin sloughing, can be fatal

WHAT HARMS FIRST:

Rapid dose escalation; any new rash within first 2–8 weeks is a medical emergency

FIRST NURSING ACTION (new rash):

HOLD drug → assess mucosa, fever, lymph nodes → notify provider STAT → prepare for hospitalization

CARBAMAZEPINE (Tegretol)

Class: Iminostilbene Anticonvulsant · Mood Stabilizer

🧠 Neurologic / Psychiatric System

1 DRUG OVERVIEW

- ▶ Partial (focal) seizures — 1st line
- ▶ Tonic-clonic (grand mal) seizures
- ▶ Mixed seizure patterns
- ▶ **Trigeminal neuralgia** — drug of choice
- ▶ Bipolar disorder (acute mania/maintenance)
- ▶ Glossopharyngeal neuralgia

2 MECHANISM OF ACTION

Blocks voltage-gated Na⁺ channels →
Stabilizes hyperexcited neural membranes →
↓ synaptic transmission →
↓ repetitive action potentials →
Seizure & pain suppression

3 THERAPEUTIC EFFECTS

- ▶ ↓ seizure frequency
- ▶ ↓ trigeminal neuralgia pain
- ▶ Mood stabilization in bipolar
- ▶ Therapeutic serum level maintained

THERAPEUTIC RANGE
4 – 12 mcg/mL

4 SIDE EFFECTS & ADVERSE REACTIONS

COMMON

- Dizziness, drowsiness
- Nausea, vomiting
- Diplopia, blurred vision
- Ataxia
- Dry mouth

🚫 SERIOUS

- **Agranulocytosis** 🚫
- **Aplastic anemia**
- Thrombocytopenia
- **SJS/TEN** (esp. HLA-B*1502)
- **Hyponatremia / SIADH**
- Hepatotoxicity
- Cardiac conduction defects

🚫 **BLACK BOX: Serious dermatologic (SJS/TEN) and hematologic (aplastic anemia, agranulocytosis) reactions. Screen Asian patients for HLA-B*1502 BEFORE starting.**

6 PRIORITY NURSING CONSIDERATIONS

- ▶ **ASSESS** for infection (fever, sore throat) = agranulocytosis
- ▶ **MONITOR** CBC, platelets, Na⁺, LFTs
- ▶ **HOLD** if WBC drops, ANC <1500, or Na⁺ <125
- ▶ **NOTIFY** for rash, bleeding, bruising, jaundice
- ▶ Contraindicated: bone marrow suppression, AV block
- ▶ Avoid MAOIs (wait 14 days)
- ▶ **Autoinduces own metabolism** → level drops in 2–4 wk → may need dose ↑
- ▶ Grapefruit juice ↑ levels → avoid
- ▶ ↓ effectiveness of OCPs, warfarin, doxycycline

CARBAMAZEPINE (Tegretol) · continued

6 LABS & DIAGNOSTICS

- ▶ **Carbamazepine level:** 4–12 mcg/mL
- ▶ >12 = toxicity → ataxia, diplopia, coma
- ▶ **CBC** baseline, weekly × 1 mo, then q3 mo
- ▶ WBC <3000, ANC <1500 → HOLD
- ▶ Platelets <100,000 → notify provider
- ▶ **Sodium:** watch for SIADH — Na <135 = hyponatremia
- ▶ **LFTs:** AST/ALT, bilirubin
- ▶ **HLA-B*1502 genotype** before starting in Asian patients
- ▶ ECG at baseline (conduction defects)

7 ADMINISTRATION & SAFETY

- ▶ **Oral only** — tablet, chewable, XR, suspension
- ▶ Take with food → ↓ GI upset, ↑ absorption
- ▶ Shake suspension well
- ▶ **Do NOT crush XR** formulations
- ▶ Do NOT give suspension with other liquid meds (precipitates)
- ▶ Consistent timing with meals
- ▶ Store at room temp, protect from humidity

8 PATIENT EDUCATION

- ▶ Report: **fever, sore throat, easy bruising, bleeding**
- ▶ Report: rash, jaundice, dark urine
- ▶ Avoid **grapefruit juice** (↑ toxicity risk)
- ▶ Use **backup contraception** (↓ OCP efficacy)
- ▶ Avoid alcohol (↑ CNS depression)
- ▶ Rise slowly (orthostatic hypotension)
- ▶ No driving until stabilized (dizziness, diplopia)
- ▶ Medical alert bracelet
- ▶ Never stop abruptly → status epilepticus

9 NCLEX TEST TRAPS ⚠

- ▶ Sore throat + fever = **AGRANULOCYTOSIS**, not a simple infection
- ▶ New confusion + low Na⁺ = **SIADH**, not "just dehydration"
- ▶ Grapefruit juice causes toxicity — NOT just a GI interaction
- ▶ Asian patient without HLA testing = SJS risk
- ▶ Level may DROP after 2–4 wks (autoinduction) → NOT non-compliance
- ▶ First choice for **trigeminal neuralgia**, not opioids
- ▶ Do not confuse with OXcarbazepine (similar but different)

10 MEMORY BOOSTERS

"**CARBAMAZEPINE**" = CBC watch, **A**granulocytosis, **R**ash (SJS), **B**one marrow, **A**taxia, **M**ood stabilizer, **A**utoinduction, **Z**ero grapefruit, **E**dema/hypoNa

"**TEG-retol** → **TRIG-eminal**" → drug of choice for trigeminal neuralgia

"**4 to 12 = HEAVEN**" → therapeutic range 4–12 mcg/mL

"**SIADH with TEG**" → hyponatremia is classic

🧠 CLINICAL JUDGMENT SNAPSHOT — CARBAMAZEPINE

#1 PRIORITY RISK:

Bone marrow suppression (agranulocytosis, aplastic anemia) & **SJS/TEN**

WHAT HARMS FIRST:

Infection from neutropenia; hyponatremia causing seizures/confusion; life-threatening rash

FIRST NURSING ACTION (fever/sore throat):

HOLD next dose → STAT CBC with differential → assess for infection → notify provider → reverse isolation if neutropenic

LEVETIRACETAM (Keppra)

Class: Pyrrolidine Anticonvulsant · Broad-Spectrum AED

🧠 Neurologic System

1 DRUG OVERVIEW

- ▶ **Broad-spectrum** AED — works on multiple seizure types
- ▶ Partial (focal) seizures — adjunct or monotherapy
- ▶ Primary generalized tonic-clonic seizures
- ▶ Myoclonic seizures (juvenile myoclonic epilepsy)
- ▶ Status epilepticus (alternative to phenytoin)
- ▶ **Preferred in pregnancy, ICU, polypharmacy**

2 MECHANISM OF ACTION

Binds to **SV2A** (synaptic vesicle protein 2A) →
Modulates neurotransmitter release →
↓ excessive neuronal excitability →
Broad anticonvulsant effect

🔑 **Unique MOA — no Na⁺ channel or GABA effect. Why Keppra has FEW drug interactions.**

3 THERAPEUTIC EFFECTS

- ▶ ↓ seizure frequency (all types)
- ▶ Improved quality of life, cognition preserved
- ▶ Effective within days (fast onset)

THERAPEUTIC RANGE (NOT ROUTINE)
12 - 46 mcg/mL

4 SIDE EFFECTS & ADVERSE REACTIONS

COMMON

- Somnolence, fatigue
- Dizziness, headache
- Weakness, asthenia
- Nasopharyngitis
- Decreased appetite

🚨 SERIOUS

- **Behavioral changes ("Keppra rage")**
- Agitation, hostility, aggression
- **Suicidal ideation** (black box)
- Depression, psychosis
- SJS/TEN (rare)
- DRESS syndrome (rare)
- Anaphylaxis / angioedema

🔑 **"KEPPRA RAGE" — irritability, mood swings, aggression. Often responds to vitamin B6 (pyridoxine) supplementation.**

5 PRIORITY NURSING CONSIDERATIONS

- ▶ **ASSESS** mood, behavior, suicidal ideation
- ▶ **MONITOR** renal function (BUN, creatinine, eGFR)
- ▶ **HOLD** / adjust for renal impairment
- ▶ **NOTIFY** for suicidal thoughts, aggression, new depression
- ▶ Few drug interactions — a major advantage
- ▶ No hepatic metabolism concerns
- ▶ Safe in pregnancy compared to older AEDs
- ▶ Dose adjustment for CrCl <80 mL/min

LEVETIRACETAM (Keppra) · continued

6 LABS & DIAGNOSTICS

- ▶ **Renal function (BUN, Cr, eGFR)** = most important
- ▶ Dose reduction required for CrCl <80 mL/min
- ▶ **Routine drug levels NOT required** (unlike phenytoin)
- ▶ CBC at baseline (rare hematologic effects)
- ▶ Pregnancy test before starting
- ▶ Mental status / PHQ-9 screening baseline

7 ADMINISTRATION & SAFETY

- ▶ Routes: PO (tablet, ER, solution) and **IV**
- ▶ IV: dilute in 100 mL NS/D5W/LR, infuse over 15 min
- ▶ PO can be given with or without food
- ▶ No titration required for initial dose (in most cases)
- ▶ **Do NOT stop abruptly** → status epilepticus
- ▶ ER tablet: do not crush or split
- ▶ Flexible — preferred for NPO/ICU patients

8 PATIENT EDUCATION

- ▶ Report **mood changes, aggression, depression**
- ▶ Report suicidal thoughts immediately — CALL 911 if urgent
- ▶ Avoid alcohol (↑ drowsiness)
- ▶ No driving until effects known
- ▶ Take at same time daily
- ▶ Do NOT stop abruptly — taper required
- ▶ Tell all providers you're on Keppra
- ▶ Medical alert bracelet
- ▶ Ask provider about **vitamin B6** for irritability

9 NCLEX TEST TRAPS ⚠

- ▶ Behavioral changes = **drug side effect**, not a new diagnosis
- ▶ "Keppra rage" is real — assess aggression carefully
- ▶ Renal dosing is the #1 safety issue
- ▶ NO drug level monitoring required routinely
- ▶ Don't confuse with other AEDs — Keppra has **few interactions**
- ▶ Fatigue is common ≠ toxicity
- ▶ Preferred AED in pregnancy (with lamotrigine)

10 MEMORY BOOSTERS

"**KEPPRA**" = **K**idneys (renal dosing), **E**motional (rage), **P**syche (suicidal), **P**regnancy-safe, **R**are interactions, **A**gitation

"**B6 for Keppra 6-SESS**" → pyridoxine helps mood side effects

"**KEPPRA = CLEAN**" → no liver enzyme issues, few drug interactions

"**Keppra Rage**" → remember aggression/irritability is drug-induced

🧠 CLINICAL JUDGMENT SNAPSHOT — LEVETIRACETAM

#1 PRIORITY RISK:

Behavioral/psychiatric effects — suicidal ideation, aggression, depression

WHAT HARMS FIRST:

Missed suicidal ideation; renal accumulation if kidney function declines and dose not adjusted

FIRST NURSING ACTION (mood/SI):

Assess suicidality with direct questioning → ensure safety → notify provider → NEVER stop abruptly without taper plan

📱 CLASS COMPARISON — MOST TESTED AEDs

Side-by-side comparison for rapid NCLEX recall

Feature	PHENYTOIN (Dilantin)	LAMOTRIGINE (Lamictal)	CARBAMAZEPINE (Tegretol)	LEVETIRACETAM (Keppra)
Class	Hydantoin	Phenyltriazine	Iminostilbene	Pyrrolidine
MOA	Na ⁺ channel blocker	Na ⁺ channel + ↓ glutamate	Na ⁺ channel blocker	Binds SV2A protein
Primary use	Tonic-clonic, status epilepticus	Partial, bipolar maintenance	Partial, trigeminal neuralgia, bipolar	Broad-spectrum, status, ICU
Therapeutic range	10-20 mcg/mL	3-14 mcg/mL	4-12 mcg/mL	12-46 mcg/mL (rarely checked)
Signature toxicity	Nystagmus, gingival hyperplasia, purple glove	SJS / TEN rash	Agranulocytosis, aplastic anemia, SIADH	"Keppra rage," suicidal ideation
Key labs	Drug level, CBC, LFTs, albumin	Skin exam; level rarely checked	CBC weekly × 1mo, Na ⁺ , LFTs, HLA-B*1502	BUN / Creatinine / eGFR
IV use	Yes — NS ONLY, <50 mg/min, filter	No IV form	No IV form	Yes — easy, dilute in 100 mL
Pregnancy	Category D — teratogenic	Preferred in pregnancy	Category D — teratogenic	Preferred in pregnancy
Drug interactions	MANY (CYP450 inducer)	Moderate (valproate ↑↑)	MANY (CYP450 inducer, autoinduction)	FEW — advantage
Black box warning	Suicidal ideation (AED class)	SJS/TEN rash	Aplastic anemia, SJS/TEN	Suicidal ideation, behavioral
#1 Priority	IV safety + toxicity monitoring	Any rash → STOP	CBC + Na ⁺ monitoring	Mood / SI + renal dose

🔑 CLASS-WIDE PEARLS (ALL AEDs)

- ▶ **Black box for ALL AEDs:** suicidal ideation → assess at every visit
- ▶ **NEVER stop abruptly** → precipitates **status epilepticus**
- ▶ Status epilepticus = seizure >5 min or repeated without recovery → **airway is priority #1**
- ▶ Status epilepticus order: **Benzo (lorazepam)** → Phenytoin/Fosphenytoin or Levetiracetam → Phenobarbital/anesthesia
- ▶ All AEDs: assess seizure precautions (O₂, suction, pad rails, bed low)
- ▶ Avoid alcohol — additive CNS depression
- ▶ Teratogenic risk → preconception counseling, folic acid 4 mg/day
- ▶ Medical alert ID required
- ▶ Bone health: vitamin D, calcium, weight-bearing exercise

🧠 MASTER CLINICAL JUDGMENT — AED CLASS

IF SEIZURE IN PROGRESS:

AIRWAY FIRST — turn on side, do NOT restrain, do NOT put anything in mouth, time the seizure, suction available

IF STATUS EPILEPTICUS (>5 min):

IV lorazepam (Ativan) 4 mg IV → then loading dose phenytoin/fosphenytoin or levetiracetam → if continues: phenobarbital → RSI/anesthesia

IF PATIENT REFUSES AED:

Explore cause (cost, side effects, stigma) → NEVER just agree to stop — taper required to prevent status

IF PREGNANT PATIENT ON AED:

Do not stop without consultation — uncontrolled seizure harms fetus MORE than most AEDs; switch to lamotrigine or levetiracetam; folic acid 4 mg/day

IF NEW RASH ON ANY AED:

HOLD drug → assess mucosa, fever, lymph → consider SJS/TEN → notify provider STAT

NCLEX-RN Pharmacology Infographic · Antiepileptic Drugs · 2026 Test Plan Standard · For educational use — always verify with institutional protocols

