HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use PHENYTOIN CHEWABLE TABLETS safely and effectively. See full prescribing information for PHENYTOIN CHEWABLE TABLETS.

PHENYTOIN chewable tablets, for oral use Initial U.S. Approval: 1953

----- AND USAGE-----

Phenytoin chewable tablets are indicated for the treatment of generalized tonic-clonic (grand mal) and complex partial (psychomotor, temporal lobe) seizures and prevention and treatment of seizures occurring during or following neurosurgery. (1)

----DOSAGE AND ADMINISTRATION----

- NOT FOR ONCE-A-DAY DOSING (2.1)
- · Adult starting dose in patients who have received no previous treatment is two phenytoin chewable tablets three times a day, with dose adjustments as necessary. For most adults, the satisfactory maintenance dose will be six
 The most common adverse reactions are nervous system reactions, including to eight phenytoin chewable tablets daily; an increase to twelve phenytoin chewable tablets daily may be made, if necessary, (2.2)
- Pediatric starting dose is 5 mg/kg/day in two to three equally divided doses, with dosage adjustments as necessary, up to a maximum of 300 mg daily. Maintenance dosage is 4 mg/kg/day to 8 mg/kg/day. (2.3)
- Serum blood level determinations may be necessary for optimal dosage adjustments—the clinically effective serum total concentration is 10 mcg/mL to 20 mcg/mL (unbound phenytoin concentration is 1 mcg/mL to 2 mcg/mL). (2.4)

-- DOSAGE FORMS AND STRENGTHS---

Phenytoin chewable tablets are available as 50 mg scored chewable tablets. (3)

----CONTRAINDICATIONS--

- Hypersensitivity to phenytoin, its ingredients, or other hydantoins (4, 5.5) • A history of prior acute hepatotoxicity attributable to phenytoin (4, 5.8)
- Coadministration with delayirdine (4)

Phenytoin

Chewable Tablets

USP, 50 mg

--WARNINGS AND PRECAUTIONS---

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DOSAGE AND ADMINISTRATION

Withdrawal Precipitated Seizure: May precipitate status epilepticus. Dose reductions or discontinuation should be done gradually. (5.1)

ADVERSE REACTIONS

DRUG INTERACTIONS

mental confusion (6)

(5.13, 8.1)

www.fda.gov/medwatch.

7.1 Drugs that Affect Phenytoin Concentrations

phenytoin concentrations in these patients. (8.6)

- 7.2 Drugs Affected by Phenytoin
- 7.3 Hyperammonemia with Concomitant Use of Valproate

Suicidal Behavior and Ideation: Monitor patients for the emergence

at the first sign of a rash, unless the rash is clearly not drug-related. If

signs or symptoms suggest SJS/TEN, use of this drug should not be

Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS)/

Multiorgan Hypersensitivity: If signs or symptoms of hypersensitivity are

present, evaluate the patient immediately. Discontinue if an alternative

Cardiac Effects: Bradycardia and cardiac arrest have been reported. (5.6)

Angioedema: Discontinue immediately if symptoms of angioedema such

Hepatic Injury: Cases of acute hepatotoxicity have been reported with

phenytoin chewable tablets. If this occurs, immediately discontinue. (4, 5.8)

Hematopoietic Complications: If occurs, follow-up observation is indicated

and an alternative antiepileptic treatment should be used. (5.9)

--ADVERSE REACTIONS--

nystagmus, ataxia, slurred speech, decreased coordination, somnolence, and

To report SUSPECTED ADVERSE REACTIONS, contact Taro Pharmaceuticals

----DRUG INTERACTIONS----

Multiple drug interactions because of extensive plasma protein binding,

-- USE IN SPECIFIC POPULATIONS--

Pregnancy: Prenatal exposure to phenytoin may increase the risks for

congenital malformations and other adverse developmental outcomes.

Renal and/or Hepatic Impairment or Hypoalbuminemia: Monitor unbound

See 17 for PATIENT COUNSELING INFORMATION and Medication Guide.

saturable metabolism and potent induction of hepatic enzymes. (7.1. 7.2)

U.S.A., Inc., at 1-866-923-4914 or FDA at 1-800-FDA-1088 or

resumed and alternative therapy should be considered. (5.3)

as facial, perioral, or upper airway swelling occur. (5.7)

unusual changes in mood or behavior. (5.2)

etiology cannot be established. (5.4)

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FULL PRESCRIBING INFORMATION

or worsening of depression, suicidal thoughts or behavior, and/or any

toin chewable tablets are indicated for the treatment of generalized tonic-clonic (grand mal) and complex partial (psychomotor, temporal lobe) seizures and prevention and treatment of seizures occurring during or following Serious Dermatologic Reactions: Discontinue phenytoin chewable tablets

DOSAGE AND ADMINISTRATION

2.1 Important Administration Instructions
NOT FOR ONCE-A-DAY DOSING. Phenytoin chewable tablets can be either chewed thoroughly before being swallowed 2.2 Adult Dosage

mmended starting dosage for pediatric patients is 5 mg/kg/day by mouth in two or three equally divided

d starting dosage for adult natients who have received no previous treatment is two 50 mg phenyto he recommended sharing dosage for adult patients who have received in previous treatment is two 30 ing prienton hewable tablets by mouth three times daily. Adjust the dosage to suit individual requirements up a maximum of velve phenytoin chewable tablets daily. For most adults, the satisfactory maintenance dosage will be six to eight nytoin chewable tablets daily. 2.3 Pediatric Dosage

doese, with subsequent dosage individualized to a maximum of 300 mg daily in divided doses. A recommended daily maintenance dosage is usually 4 mg/kg/day to 8 mg/kg/day in equally divided doses. Children over 6 years and adolescents may require the minimum adult dosage (300 mg/day). If the daily dosage cannot be divided equally, the larger dose should be given before retiring. 2.4 Dosage Adjustments

Dosage should be individualized to provide maximum benefit. In some cases, serum blood level determinations may busges should be invitualized to profide infamiliar belieful. In some cases, serum flood level determinations may be necessary for optimal dosage adjustments. Trough levels provide information about clinically effective serum level range and confirm patient compliance, and are obtained just prior to the patient's next scheduled dose. Peak levels indicate an individual's threshold for emergence of dose-related side effects and are obtained at the time of expected peak concentration. Therapeutic effect without clinical signs of toxicity occurs more often with serum total concentrations between 10 mcg/mL and 20 mcg/mL (unbound phenytoin concentrations of 1 mcg/mL to 2 mcg/mL). although some mild cases of tonic-clonic (grand mal) epilepsy may be controlled with lower serum levels of phenytoin

almough some finite cases of conic-conic (grand mail epileps) may be controlled with reversion prehydrin. In patients with renal or hepatic disease, or in those with hypoalbuminemia, the monitoring of unbound phenytoin concentrations may be more relevant (see Dosage and Administration (2.6)]. With recommended dosage, a period of seven to ten days may be required to achieve steady-state blood levels with phenytoin and changes in dosage (increase or decrease) should not be carried out at intervals shorter than seven to

2.5 Switching Between Phenytoin Formulations

The free acid form of phenytoin is used in phenytoin oral suspension and phenytoin chewable tablets. Extended The free actor form to principlom to steed in principlom for assperision and principlom for including phenytoin softium capsules and parenteral phenytoin are formulated with the sodium salt of phenytoin. Because there is approximately an 8% increase in drug content with the free acid form over that of the sodium salt, dosage adjustments and serum level monitoring may be necessary when switching from a product formulated with the free acid to a product formulated with the sodium salt and vice versa.

2.6 Dosing in Patients with Renal or Hepatic Impairment or Hypoalbuminemia

Because the fraction of unbound phenytoin is increased in patients with renal or hepatic disease, or in those with hypoalbuminemia, the monitoring of phenytoin serum levels should be based on the unbound fraction in those patients [see Warnings and Precautions (5.11) and Use in Specific Populations (8.6)].

nytoin clearance is decreased slightly in elderly patients and lower or less frequent dosing may be required [see Clinical Pharmacology (12.3)1.

2.8 Dosing during Pregnancy
Decreased serum concentrations of phenytoin may occur during pregnancy because of altered phenytoin pharmacokinetics. Periodic measurement of serum phenytoin concentrations should be performed during pregnancy, and the phenytoin chewable tablets dosage should be adjusted as necessary. Postpartum restoration of the original dosage will probably be indicated [see Use in Specific Populations (8.1)]. Because of potential changes in protein binding during pregnancy, the monitoring of phenytoin serum levels should be based on the unbound fraction.

DOSAGE FORMS AND STRENGTHS

wable tablets are available as 50 mg phenytoin yellow, round, scored chewable tablets

Revised: 6/2022

in chewable tablets are contraindicated in patients with: A history of hypersensitivity to phenytoin, its inactive ingredients, or other hydantoins *Isee Warnings and*

- A history of hypersensitivity of prieritytini, its inactive ingrements, or other hydrations [see warnings and Precautions (5.5)]. Reactions have included angioedem.

 A history of prior acute hepatotoxicity attributable to phenytoin [see Warnings and Precautions (5.8)].

 Coadministration with delayirdine because of the potential for loss of virologic response and possible
- resistance to delayirdine or to the class of non-nucleoside reverse transcriptase inhibitors.

WARNINGS AND PRECAUTIONS

5.1 Withdrawal Precipitated Seizure, Status Epilepticus Abrupt withdrawal of phenytoin in epileptic patients may precipitate status epilepticus. When, in the judgment o

the clinician, the need for dosage reduction, discontinuation, or substitution of alternative anticonvulsant medication arises, this should be done gradually. However, in the event of an allergic or hypersensitivity reaction, more rapid substitution of alternative therapy may be necessary. In this case, alternative therapy should be an anticonvulsant no

5.2 Suicidal Behavior and Ideation

5.2 Suicidal Benavior and ideation. Antieplieptic drugs (AEDs), including phenytoin chewable tablets, increase the risk of suicidal thoughts or behavior i patients taking these drugs for any indication. Patients treated with any AED for any indication should be monitore for the emergence or worsening of depression, suicidal thoughts or behavior, and/or any unusual changes in mood

Pooled analyses of 199 placeho-controlled clinical trials (mono- and adjunctive therapy) of 11 different AFDs showe Probled analyses of 199 placeod-controlled clinical trials (mono- and adjunctive therapy) of 11 different AEUS showed that patients randomized to one of the AEDs had approximately twice the risk (adjusted Relative Risk 1.8, 95% Cl.1.2, 2.7) of suicidal thinking or behavior compared to patients randomized to placebo. In these trials, which had a median treatment duration of 12 weeks, the estimated incidence rate of suicidal behavior or ideation among 27,863 AED-treated patients was 0.43%, compared to 0.24% among 16,029 placebo-treated patients, representing an increase of approximately one case of suicidal thinking or behavior for every 530 patients treated. There were four suicides in drug-treated patients in the trials and none in placebo-treated patients, but the number is too small to allow an

The increased risk of suicidal thoughts or behavior with AEDs was observed as early as one week after starting drug treatment with AEDs and persisted for the duration of treatment assessed. Because most trials included in the analysis did not extend beyond 24 weeks, the risk of suicidal thoughts or behavior beyond 24 weeks could not be assessed. The risk of suicidal thoughts or behavior was generally consistent among drugs in the data analyzed. The finding of increased risk with AEDs of varying mechanisms of action and across a range of indications suggests that the risk applies to all AEDs used for any indication. The risk did not vary substantially by age (5 to 100 years) in the clinical

Table 1 shows absolute and relative risk by indication for all evaluated AEDs

Table 1 Risk by indication for antiepileptic drugs in the pooled analysis

Indication	Placebo Patients with Events Per 1000 Patients	Drug Patients with Events Per 1000 Patients	Relative Risk: Incidence of Events in Drug Patients/Incidence in Placebo Patients	Risk Difference: Additional Drug Patients with Events Per 1000 Patients				
Epilepsy	1.0	3.4	3.5	2.4				
Psychiatric	5.7	8.5	1.5	2.9				
Other	1.0	1.8	1.9	0.9				
Total	2.4	4.3	1.8	1.9				

The relative risk for suicidal thoughts or behavior was higher in clinical trials for epilepsy than in clinical trials

dering prescribing phenytoin chewable tablets or any other AED must balance the risk of suicidal thou or behavior with the risk of untreated illness. Epilepsy and many other illnesses for which AEDs are prescribed are themselves associated with morbidity and mortality and an increased risk of suicidal thoughts and behavior. Should suicidal thoughts and behavior emerge during treatment, the prescriber needs to consider whether the emergence o

Patients, their caregivers, and families should be informed that AEDs increase the risk of suicidal thoughts and behavior and should be advised of the need to be alert for the emergence or worsening of the signs and symptoms of depression, any unusual changes in mood or behavior, or the emergence of suicidal thoughts, behavior, or thoughts about self-harm. Behaviors of concern should be reported immediately to healthcare providers. 5.3 Serious Dermatologic Reactions

roin can cause severe cutaneous adverse reactions (SCARs), which may be fatal. Reported reactions in

Prieryloin Cari Cause Severe Cutarieous adverse reactions (occars), within they be reaction reported reactions in phenyloin-treated patients have included toxic epidermal necrolysis (TEN), Stevens-Johnson syndrome (SJS), acute generalized exanthematous pustulosis (AGEP), and Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS) [see Warnings and Precautions (5.4)]. The onset of symptoms is usually within 28 days, but can occur later. Phenyloin should be discontinued at the first sign of a rash, unless the rash is clearly not drug-related. If signs or symptom suggest a severe cutaneous adverse reaction, use of this drug should not be resumed and alternative therapy shoul insidered. If a rash occurs, the patient should be evaluated for signs and symptoms of SCARs.
es in patients of Chinese ancestry have found a strong association between the risk of developing SJS/TEN and

the presence of HLA-B*1502, an inherited allelic variant of the HLA B gene, in patients using carbamazepine. Limited the presence of in-the 1902, an inherited attent variant of the rich B gene, in patients using carbanacepine. It evidence suggests that HLA-B-1502 may be a risk factor for the development of SIS/TEN in patients of Asian an taking other antiepileptic drugs associated with SIS/TEN, including phenytoin. In addition, retrospective, case-or genome-wide association studies in patients of southeast Asian ancestry have also identified an increased risk of SCARs in carriers of the decreased function CYP2C9*3 variant, which has also been associated with decreased clearance of

in carriers of the decreased citedance of phenytoin. Consider avoiding phenytoin as an alternative to carbamazepine in patients who are positive for HLA-B*1502 or in CYP2C9*3 carriers [see Use in Specific Populations (8.7) and Clinical Pharmacology (12.5)].

The use of HLA-B*1502 or CYP2C9 genotyping has important limitations and must never substitute for appropriate clinical vigilance and patient management. The role of other possible factors in the development of, and morbidity from, SJS/TEN, such as antiepileptic drug (AED) dose, compliance, concomitant medications, comorbidities, and the level of

Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS)/Multiorgan Hypersensitivity

tion with Eosinophilia and Systemic Symptoms (DRESS), also known as Multiorgan hype brug heaction with cosingly interest and systemic symptoms (prices), and shown as mininglan hippersensitivity, has been reported in patients taking antiepileptic drugs, including phenytoin. Some of these events have been fatal or life-threatening. DRESS typically, although not exclusively, presents with fever, rash, lymphadenopathy, and/or facial swelling, in association with other organ system involvement, such as hepatitis, nephritis, hematologica abnormalities, myocarditis, or myositis sometimes resembling an acute viral infection. Eosinophilia is often present Because this disorder is variable in its expression, other organ systems not noted here may be involved. It is important because this disolone to Variable in the expression, outer organization and the chief with the content of the c

5.9 Hematopoietic Complications

Phenytoin and other hydantoins are contraindicated in patients who have experienced phenytoin hypersensitivity Isee Contraindications (4) and Warnings and Precautions (5.7)1. Additionally, consider alternatives to structural ar drugs such as carboxamides (e.g., carbamazepine), barbutanta, succinimides, and oxazolidin ethadione) in these same patients. Similarly, if there is a history of hypersensitivity reactions to these ar drugs in the patient or immediate family members, consider alternatives to phenytoin.

Cases of bradycardia and cardiac arrest have been reported in phenytoin-treated patients, both at recommended phenytoin doses and levels, and in association with phenytoin toxicity [see Overdosage (10)]. Most of the reports of

ardiac arrest occurred in patients with underlying cardiac disease

lema has been reported in patients treated with phenytoin in the postmarketing setting. Phenytoin should be discontinued immediately if symptoms of angioedema, such as facial, perioral, or upper airway swelling occur Phenytoin should be discontinued permanently if a clear alternative etiology for the reaction cannot be established

, stoxicity, including infrequent cases of acute hepatic failure, have been reported with phenytoi cases of acute reparatoxicity, including infrequent cases of acute repart rainter, have been reported with priery terms of DRESS or may occur in isolation [see Warnings and Precautions (5.4)]. Other common manifestations include jaundice, hepatomegaly, elevated serum transaminase levels, leukocytosis, and eosinophilia. The clinical course of acute phenytoin hepatotoxicity ranges from prompt recovery to fatal outcomes. In these patients with acute hepatotoxicity, phenytoin should be immediately discontinued and not readministered.

nietic complications, some fatal, have occasionally been reported in association with administration of

here have been a number of reports suggesting a relationship between phenytoin and the dev lymphadenopathy (local or generalized) including benign lymph node hyperplasia, pseudolymphoma, lymphoma, and Hodgkin's disease. Although a cause and effect relationship has not been established, the occurrence of pathy indicates the need to differentiate such a condition from other types of lymph node patholog symphotoe involvement may occur with or without symptoms and signs of DRESS [see Warnings and Precautions ln all cases of lymphadenopathy, follow-up observation for an extended period is indicated and every effort shot made to achieve seizure control using alternative antiepileptic drugs. 5.10 Effects on Vitamin D and Bone

The chronic use of phenytoin in patients with epilepsy has been associated with decreased bone mineral density the chronic use of pierlymin in patients with explicitly solved associated with electrased both limited a tensity (osteopenia, osteoporosis, and osteomalacia) and bone fractures. Phenytoin induces hepatic metabolizing enzymes. This may enhance the metabolism of vitamin D and decrease vitamin D levels, which may lead to vitamin D deficiency, hypocalcemia, and hypophosphatemia. Consideration should be given to screening with bone-related laboratory and radiological tests as appropriate and initiating treatment plans according to established guidelines. 5.11 Renal or Hepatic Impairment or Hypoalbuminemia

Because the fraction of unbound phenytoin is increased in patients with renal or hepatic disease, or in those with lbuminemia, the monitoring of phenytoin serum levels should be based on the unbound fraction in those patient

5.12 Exacerbation of Porphyria
In view of isolated reports associating phenytoin with exacerbation of porphyria, caution should be exercised in using this medication in patients suffering from this disease.

5.13 Teratogenicity and Other Harm to the Newborn

vtoin may cause fetal harm when administered to a pregnant woman. Prenatal exposure to phenytoin may increase the risks for congenital malformations and other adverse developmental outcomes [see Use in Specific

characteristic of fetal hydantoin syndrome, including dysmorphic skull and facial features, nail and digit hypoplasi growth abnormalities (including microcephaly), and cognitive deficits, have been reported among children born epileptic women who took phenytoin alone or in combination with other antiepileptic drugs during pregnancy. The

have been several reported cases of malignancies, including neuroblastoma.

A potentially life-threatening bleeding disorder related to decreased levels of vitamin K-dependent clotting factors may occur in newborns exposed to phenytoin in utero. This drug-induced condition can be prevented with vitamin badministration to the mother before delivery and to the neonate after birth.

emia, resulting from the drug's inhibitory effects on insulin release, has been reported. Phenytoin may als

hypergycerinia, resulting from the drug's fillinotory effects on insulin release, has been reported. Prienyloin may ask raise the serum glucose level in diabetic patients.

5.15 Serum Phenytoin Levels above Therapeutic Range

Serum levels of phenytoin sustained above the therapeutic range may produce confusional states referred to as "delirium," "psychosis," or "encephalopathy," or rarely irreversible cerebellar dysfunction and/or cerebellar atrophy Accordingly, at the first sign of acute toxicity, serum levels should be immediately checked. Dose reduction of rtoin therapy is indicated if serum levels are excessive; if symptoms persist, termination is reco

ADVERSE REACTIONS

- ving serious adverse reactions are described elsewhere in the labeling: Withdrawal Precipitated Seizure, Status Epilepticus [see Warnings and Precautions (5.1)]
- Suicidal Behavior and Ideation [see Warnings and Precautions (5.2)]
- Serious Dermatologic Reactions [see Warnings and Precautions (5.3)]
 Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS)/Multiorgan Hypersensitivity [se
- Warnings and Precautions (5.4)] Warnings and Precautions (5.4)]
 Hypersensitivity [see Warnings and Precautions (5.5)]
 Cardiac Effects [see Warnings and Precautions (5.6)]
- Angioedema [see Warnings and Precautions (5.7)]
- Hepatic Injury Isee Warnings and Precautions (5.8)]

- Hematopoietic Complications [see Warnings and Precautions (5.9)]

 Effects on Vitamin D and Bone [see Warnings and Precautions (5.10)]

 Exacerbation of Porphyria [see Warnings and Precautions (5.12)]

 Teratogenicity and Other Harm to the Newborn [see Warnings and Precautions (5.13)]
- Hyperglycemia [see Warnings and Precautions (5.14)]

The following adverse reactions associated with the use of phenytoin were identified in clinical studies postmarketing reports. Because these reactions are reported voluntarily from a population of uncertain size, it is no always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

Body as a Whole: Allergic reactions in the form of rash and rarely more serious forms and DRESS have been observed as has angioedema [see Warnings and Precautions (5.3, 5.4, 5.7)]. Anaphylaxis has also been reported.

There have also been reports of coarsening of facial features, systemic lupus erythematosus, periarteritis nodosa, ar

stive System: Acute hepatic failure, toxic hepatitis, liver damage, nausea, vomiting, constipation, enlarger lips, and gingival hyperplasia. tologic and Lymphatic System: Hematopoietic complications, some fatal, have occasionally been reported in

association with administration of phenytoin. These have included thrombocytopenia, leukopenia, granulocytopenia, agranulocytosis, and pancytopenia with or without bone marrow suppression. While macrocytosis and megaloblastic nemia have occurred, these conditions usually respond to folic acid therapy. Lymphadenopathy including benign

Laboratory Test Abnormality: Phenytoin may decrease serum concentrations of thyroid hormone (T4 and T3), sometimes with an accompanying increase in thyroid-stimulating hormone (TSH), but usually in the absence of clinical hypothyroidism. Phenytoin may also produce lower than normal values for dexamethasone or metyrapone tests. toin may cause increased serum levels of glucose [see Warnings and Precautions (5.14)], alkaline phosphatasi mma glutamyl transpeptidase (GGT)

Nervous System: The most common adverse reactions encountered with phenytoin therapy are nervous system reactions and are usually dose-related. Reactions include nystagmus, ataxia, slurred speech, decreased coordination, somnolence, and mental confusion. Dizziness, vertigo, insomnia, transient nervousness, motor twitchings, paresthesias, and headaches have also been observed. There have also been rare reports of phenytoin-induced dyskinesias, including chorea, dystonia, tremor and asterixis, similar to those induced by phenothiazine and other usuroleptic drugs. Cerebellar atrophy has been reported, and appears more likely in settings of elevated phenytoin vels and/or long-term phenytoin use [see Warnings and Precautions (5.15)]. predominantly sensory peripheral polyneuropathy has been observed in patients receiving long-term phenytoin therapy.

Skin and Appendages: Dermatological manifestations sometimes accompanied by fever have included scarlatiniform own and Appendages. Definitioning the manuscrations contentines accompanied by lever interinctioned scalabilition rounding from common; other types of dermatitis are seen more rarely. Other more serious forms which may be fatal have included bullous, exfoliative or purpuric dermatitis, acute generalized exanthematous pustulosis, Stevens-Johnson syndrome, and toxic epidermal necrolysis [see Warnings and Precautions (5.3)]. There have also been reports of hypertrichosis and urticaria.

Special Senses: Altered taste sensation including metallic taste

Phenytoin is extensively bound to plasma proteins and is prone to competitive displacement. Phenytoin is primarily metabolized by the hepatic cytochrome P450 enzyme CYP2C9 and to a lesser extent by CYP2C19, and is particularly susceptible to inhibitory drug interactions because it is subject to saturable metabolism. Inhibition of metabolism m roduce significant increases in circulating phenytoin concentrations and enhance the risk of drug toxicity. Monitorin roduce significant increases in circulating pnenytoin concentrations and enhance in phenytoin serum levels is recommended when a drug interaction is suspected. Phenytoin is a potent inducer of hepatic drug-metabolizing enzymes.

Table 2 includes commonly occurring drug interactions that affect phenytoin concentrations. However, this list is not intended to be inclusive or comprehensive. Individual prescribing information from relevant drugs should be consulted The addition or withdrawal of these agents in patients on phenytoin therapy may require an adjustment of the

Interacting Agent	Examples			
Drugs that may increase phenytoin serum levels				
Antiepileptic drugs	Ethosuximide, felbamate, oxcarbazepine, methsuximide, topiramate			
Azoles	Fluconazole, ketoconazole, itraconazole, miconazole, voriconazole			
Antineoplastic agents	Capecitabine, fluorouracil			
Antidepressants	Fluoxetine, fluvoxamine, sertraline			
Gastric acid reducing agents	H ₂ antagonists (cimetidine), omeprazole			
Sulfonamides	Sulfamethizole, sulfaphenazole, sulfadiazine, sulfamethoxazole-trimethoprim			
Other	Acute alcohol intake, amiodarone, chloramphenicol, chlordiazepoxide disulfiram, estrogen, fluvastatin, isoniazid, methylphenidate, phenothiazines salicylates, ticlopidine, tolbutamide, trazodone, warfarin			
Drugs that may decrease phenytoin serum levels				
Antacids ^a	Calcium carbonate, aluminum hydroxide, magnesium hydroxide <u>Prevention or Management:</u> Phenytoin and antacids should not be taken the same time of day			
Antineoplastic agents (usually in combination)	Bleomycin, carboplatin, cisplatin, doxorubicin, methotrexate			
Antiviral agents	Fosamprenavir, nelfinavir, ritonavir			
Antiepileptic drugs	Carbamazepine, vigabatrin			
Other	Chronic alcohol abuse, diazepam, diazoxide, folic acid, reserpine, rifampin St. John's worte, sucralfate, theophylline			
Drugs that may either increase or decrease phenytoin serum levels				
Drugs that may either increas	e or decrease pnenytoin serum levels			

^bThe induction potency of St. John's wort may vary widely based on preparation

Valproate sodium and valproic acid are similar medications. The term valproate has been used to represent these

Table 3 includes commonly occurring drug interactions affected by phenytoin. However, this list is not intended to be inclusive or comprehensive. Individual drug package inserts should be consulted. The addition or withdrawal of phenytoin during concomitant therapy with these agents may require adjustment of the dose of these agents to

Table 3: Drugs Affected by Phenytoin

7.2 Drugs Affected by Phenytoin

Interacting Agent	Examples			
Drugs whose efficacy is in	npaired by phenytoin			
Azoles	Fluconazole, ketoconazole, itraconazole, posaconazole, voriconazole			
Antineoplastic agents	Irinotecan, paclitaxel, teniposide			
Delavirdine	Phenytoin can substantially reduce the concentrations of delavirdine. This can lead to loss of virologic response and possible resistance [see Contraindications (4)].			
Neuromuscular blocking agents	Cisatracurium, pancuronium, rocuronium and vecuronium: resistance to the neuromuscular blocking action of the nondepolarizing neuromuscular blocking agents has occurred in patients chronically administered phenytoin. Whether or not phenytoin has the same effect on other non-depolarizing agents is unknown. Prevention or Management. Patients should be monitored closely for more rapid recovery from neuromuscular blockade than expected, and infusion rate requirements may be higher.			
Warfarin	Increased and decreased PT/INR responses have been reported when phenytoin is coadministered with warfarin			
Other	Corticosteroids, doxycycline, estrogens, furosemide, oral contraceptives, paroxetine, quinidine, rifampin, sertraline, theophylline, and vitamin D			
Drugs whose level is decreased by phenytoin				
Anticoagulants	Apixaban, dabigatran, edoxaban, rivaroxaban			
Antiepileptic drugs ^a	Carbamazepine, felbamate, lacosamide, lamotrigine, topiramate, oxcarbazepine			
Antilipidemic agents	Atorvastatin, fluvastatin, simvastatin			
Antiplatelets	Ticagrelor			
Antiviral agents	Efavirenz, lopinavir/ritonavir, indinavir, nelfinavir, ritonavir, saquinavir Fosamprenavir: phenytoin when given with fosamprenavir alone may decrease the concentration of amprenavir, the active metabolite. Phenytoin when given with the combination of fosamprenavir and ritonavir may increase the concentration of amprenavir			
Calcium channel blockers	Nifedipine, nimodipine, nisoldipine, verapamil			
Other	Albendazole (decreases active metabolite), chlorpropamide, clozapine, cyclosporine digoxin, disopyramide, folic acid, methadone, mexiletine, praziquantel, quetiapine			

nemia with Concomitant Use of Valproate

mitant administration of phenytoin and valproate has been associated with an increased risk of valoroate associated hyperammonemia. Patients treated concomitantly with these two drugs should be monitored for signs and 7.4. Drug Enteral Feeding/Nutritional Preparations Interaction
Literature reports suggest that patients who have received enteral feeding preparations and/or related nutritional

supplements have lower than expected phenytoin serum levels. It is therefore suggested that phenytoin not be nistered concomitantly with an enteral feeding preparation. More frequent serum phenytoin level monitoring man

necessary in these patients 7.5 Drug/Laboratory Test Interactions
Care should be taken when using immunoanalytical methods to measure serum phenytoin concentrations

Pregnancy Exposure Registry

There is a pregnancy exposure registry that monitors pregnancy outcomes in women exposed to antiepileptic drugs (AEDs), such as phenytoin, during pregnancy. Physicians are advised to recommend that pregnant patients taking phenytoin enroll in the North American Antiepileptic Drug (NAAED) Pregnancy Registry. This can be done by calling the toll free number 1-888-233-2334, and must be done by patients themselves. Information on the registry can also be found at the website http://www.aedpregnancyregistry.org/

n humans, prenatal exposure to phenytoin may increase the risks for congenital malformations and other adverse developmental outcomes. Prenatal phenytoin exposure is associated with an increased incidence of major malformations, including orofacial clefts and cardiac defects. In addition, the fetal hydantoin syndrome, a pattern of abnormalities including dysmorphic skull and facial features, nail and digit hypoplasia, growth abnormalities (including microcephaly), and cognitive deficits has been reported among children born to epileptic women who took phenytoin iniciocepinaly, and cognitive eutricia has been reported annug clinicia tour to epinepite wonten with other principles alone or in combination with other antiepileptic drugs during pregnancy [see Data]. There have been several reporter cases of malignancies, including neuroblastoma, in children whose mothers received phenytoin during pregnancy. Administration of phenytoin to pregnant animals resulted in an increased incidence of fetal malformations and other manifestations of developmental toxicity (including embryofetal death, growth impairment, and behavioral ormalities) in multiple species at clinically relevant doses *[see Data]*.

In the U.S. general population, the estimated background risk of major birth defects and of miscarriage in clinically recognized pregnancies is 2 to 4% and 15 to 20%, respectively. The background risk of major birth defects and miscarriage for the indicated population is unknown.

Clinical Considerations Disease-associated maternal risk

An increase in seizure frequency may occur during pregnancy because of altered phenytoin pharmacokinetics. Periodic measurement of serum phenytoin concentrations may be valuable in the management of pregnant women as a guide to appropriate adjustment of dosage [see Dosage and Administration (2.4, 2.8)]. However, postpartum restoration of the original dosage will probably be indicated [see Clinical Pharmacology (12.3)].

A potentially life-threatening bleeding disorder related to decreased levels of vitamin K-dependent clotting factors may occur in newborns exposed to phenytoin in utero. This drug-induced condition can be prevented with vitamin K tration to the mother before delivery and to the neonate after birth.

Meta-analyses using data from published observational studies and registries have estimated an approximately 2.4-fold increased risk for any major malformation in children with prenatal phenytoin exposure compared to controls. An increased risk of heart defects, facial clefts, and digital hypoplasia has been reported. The fetal hydantoin syndrome is a pattern of congenital anomalies including craniofacial anomalies, nail and digital hypoplasia, prenatal-onset

Administration of phenytoin to pregnant rats, rabbits, and mice during organogenesis resulted in embryofetal death fetal malformations, and decreased fetal growth. Malformations (including craniofacial, cardiovascular, neural, limb, and digit abnormalities) were observed in rats, rabbits, and mice at doses as low as 100 mg/kg, 75 mg/kg, and

Risk Summary

Then your is secreted in human milk. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for phenytoin and any potential adverse effects on the breastfed infant from phenytoin or from the underlying maternal condition

nitially, 5 mg/kg/day in two or three equally divided doses, with subsequent dosage individualized to a maximum of

Phenytoin clearance tends to decrease with increasing age *[see Clinical Pharmacology (12.3)]*. Lower or less frequent dosing may be required Isee Dosage and Administration (2.7)].

Renal and/or Hepatic Impairment or Hypoalbuminemia

The liver is the chief site of biotransformation of phenytoin; patients with impaired liver function, elderly patients, or

The liver is the criticistic or broughtstormation of prientybrin, patients with imparied liver function, enterty patients, or those who are gravely ill may show early signs of toxicity. Because the fraction of unbound phenytoin is increased in patients with renal or hepatic disease, or in those with

nemia, the monitoring of phenytoin serum levels should be based on the unbound fraction in those patien 8.7 Use in Patients with Decreased CYP2C9 Function

Patients who are intermediate or poor metabolizers of CYP2C9 substrates (e.g., *1/*3, *2/*2, *3/*3) may exhibit radents who are intermediate or poor inetabolizers of orders substantial (e.g., 17 s, 27, 37 s) may exhibit increased phenytoin serum concentrations compared to patients who are normal metabolizers (e.g., 17 s). Thus, patients who are known to be intermediate or poor metabolizers may ultimately require lower doses of phenytoin to maintain similar steady-state concentrations compared to normal metabolizers. If early signs of dose-related central nervous system (CNS) toxicity develop, serum concentrations should be checked imi Pharmacology (12.5)].

ethal dose in pediatric patients is not known. The lethal dose in adults is estimated to be 2 grams to 5 grams. The initial symptoms are nystagmus, ataxia, and dysarthria. Other signs are tremor, hyperreflexia, lethargy, slurred speech, blurred vision, nausea, and vomiting. The patient may become comatose and hypotensive. Bradycardia and cardiac arrest have been reported [see Warnings and Precautions (5.6)]. Death is caused by respiratory and circulatory depression There are marked variations among individuals with respect to phenytoin serum levels where toxicity may occur. Nystagmus, on lateral gaze, usually appears at 20 mcg/mL, ataxia at 30 mcg/mL; dysarthria and lethargy appear when the serum concentration is over 40 mcg/mL, but as high a concentration as 50 mcg/mL has been reported without evidence of toxicity. As much as 25 times the therapeutic dose has been taken to result in a serum concentration over 100 mcg/mL with complete recovery. Irreversible cerebellar dysfunction and atrophy have been reported.

Treatment: Treatment is nonspecific since there is no known antidote. The adequacy of the respiratory and circulatory systems should be carefully observed and appropriate supportive measures employed. Hemodialysis can be considered since phenytoin is not completely bound to plasma proteins. Total exchange transfusion has been used in the treatment of severe intoxication in pediatric patients. In acute overdosage the possibility of other CNS depressants, including alcohol, should be borne in mind.

Phenytoin is related to the barbiturates in chemical structure, but has a five-membered ring. The chemical name is 5.5-diphenyl-2.4 imidazolidinedione, having the following structural formula

Each phenytoin chewable tablet, USP for oral administration, contains 50 mg phenytoin, USP. Also contains: Artificial banana flavor, compressible sugar, D&C yellow No. 10 aluminum lake, FD&C yellow No. 6 aluminum lake, hypromellose 2208, lactose monohydrate, magnesium stearate, saccharin sodium, and talc

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action
The precise mechanism by which phenytoin exerts its therapeutic effect has not been established but is thought to nvolve the voltage-dependent blockade of membrane sodium channels resulting in a reduction in sustained high frequency neuronal discharges.

For phenytoin chewable tablets, peak levels occur 1½ to 3 hours after administration. Steady-state therapeutic rol pilentyolin chewable tablets, peak levels occur 1/2 to 3 hours after administration. Steady-state interapeutic levels are achieved at least 7 to 10 days (5 to 7 half-lives) after initiation of therapy with recommended doses of 300 mg/day. When serum level determinations are necessary, they should be obtained at least 5 to 7 half-lives after treatment initiation, dosage change, or addition or subtraction of another drug to the regimen so that equilibrium or

steady-state will have been achieved. Clinical studies show that chewed and unchewed phenytoin chewable tablets are bioequivalent, yield approximately llent serum levels, and are more rapidly absorbed than 100 mg extended phenytoin sodium o

Clinical studies using phenytoin chewable tablets have shown an average plasma half-life of 14 hours with a range of 7 to 29 hours

Phenytoin is primarily metabolized by the hepatic cytochrome P450 enzyme CYP2C9 and to a lesser extent by CYP2C19. Because phenytoin is hydroxylated in the liver by an enzyme system which is saturable at high serum levels, small incremental doses may increase the half-life and produce very substantial increases in serum levels, when these are in the upper range. The steady-state level may be disproportionately increased, with resultant intoxication, from an increase in dosage of 10% or more.

In most patients maintained at a steady dosage, stable phenytoin serum levels are achieved. There may be wide interpatient variability in phenytoin serum levels with equivalent dosages. Patients with unusually low levels may be noncompliant or hypermetabolizers of phenytoin. Unusually high levels result from liver disease, variant CYP2C9 and CYP2C19 alleles, or drug interactions which result in metabolic interference. The patient with large variations in phenytoin serum levels, despite standard doses, presents a difficult clinical problem. Serum level determinations in such patients may be particularly helpful. As phenytoin is highly protein bound, free phenytoin levels may be altered in atients whose protein hinding characteristics differ from norma

Excretion

Most of the drug is excreted in the bile as inactive metabolites which are then reabsorbed from the intestinal tract and excreted in the urine. Urinary excretion of phenytoin and its metabolites occurs partly with glomerular filtration but,

Age: Geriatric Population:

Phenytoin clearance tends to decrease with increasing age (20% less in patients over 70 years of age relative to that in patients 20 to 30 years of age). Since phenytoin clearance is decreased slightly in elderly patients, lower or less frequent dosing may be required [see Dosage and Administration (2.7)].

end race have no significant impact on phenytoin pharmacokinetic

Renal or Hepatic Impairment: Increased fraction of unbound phenytoin in patients with renal or hepatic disease, or in those with hypoalbuminemia has been reported.

It has been reported in the literature that the plasma clearance of phenytoin generally increased during pregnancy.

Phenytoin is primarily metabolized by the hepatic cytochrome P450 enzymes CYP2C9 and to a lesser extent by CYP2C19. nytoin is a potent inducer of hepatic drug-metabolizing enzymes [see Drug Interactions (7.1, 7.2)]

CYP2C9 activity is decreased in individuals with genetic variants such as the CYP2C9*2 and CYP2C9*3 alleles. Carriers of variant alleles, resulting in intermediate (e.g., *1/*3, *2/*2) or poor metabolism (e.g., *2/*3, *3/*3) have dec clearance of phenytoin. Other decreased or nonfunctional CYP2C9 alleles may also result in decreased clear

in the Asian population, and <1% in the African American population. The CYP2C9 intermediate phenotype prevalence s approximately 35% in the White population, 24% in the African American population, and 15 to 36% in the Asian ation [see Warnings and Precautions (5.3) and Use in Specific Populations (8.7)]

NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility Carcinogenesis [see Warnings and Precautions (5.9)]

icity studies, phenytoin was administered in the diet to mice (10 mg/kg/day, 25 mg/kg/day, or 45 mg/kg/day) and rats (25 mg/kg/day, 50 mg/kg/day, or 100 mg/kg/day) for 2 years. The incidences of hepatocellular tumors were increased in male and female mice at the highest dose. No increases in tumor incidence were observed in rats. The and tast (25 mg/kg/ust, 50 mg/kg/ust, 61 to mg/kg/ust) for 2 years. The includines of interested in male and female mice at the highest dose. No increases in tumor incidence were observed in rats. The highest doses tested in these studies were associated with peak serum phenytoin levels below human therapeutiin

n carcinogenicity studies reported in the literature, phenytoin was administered in the diet for 2 years at doses up to 600 ppm (approximately 160 mg/kg/day) to mice and up to 2400 ppm (approximately 120 mg/kg/day) to rats. The ncidences of hepatocellular tumors were increased in female mice at all but the lowest dose tested. No increases in

Phenytoin was negative in the Ames test and in the *in vitro* clastogenicity assay in Chinese hamster ovary (CHO) cells. In studies reported in the literature, phenytoin was negative in the *in vitro* mouse lymphoma assay and the *in vivo* nicronucleus assay in mouse. Phenytoin was clastogenic in the in vitro sister chromatid exchange assay in CHO cells.

in has not been adequately assessed for effects on male or female fertility.

HOW SUPPLIED/STORAGE AND HANDLING

Phenytoin Chewable Tablets USP, 50 mg are yellow, uniform to slightly mottled, round normal convex tablets, scored and engraved with "T" above the score and "50" below the score on one side and plain on the other side. The tablets

Package Configuration	Strength	NDC
Bottle of 30	50 mg	NDC 51672-4146-6
Bottle of 100	50 mg	NDC 51672-4146-1
Bottle of 1000	50 mg	NDC 51672-4146-3

Advise patients to read the FDA-approved patient labeling (Medication Guide).

Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature]

Administration Information

16.2 Storage and Handling

Advise patients taking phenytoin of the importance of adhering strictly to the prescribed dosage regimen, and of ng the physician of any clinical condition in which it is not possible to take the drug orally as prescribed, e.g

Withdrawal of Antiepileptic Drugs

Advise patients not to discontinue use of phenytoin without consulting with their healthcare provider. Phenytoin should normally be gradually withdrawn to reduce the potential for increased seizure frequency and status epilepticus *[see* Warnings and Precautions (5.1)1.

Warmings and Precautions (5.1).
Suicidal Ideation and Behavior
Counsel patients, their caregivers, and families that AEDs, including phenytoin chewable tablets, may increase the risk of suicidal thoughts and behavior and advise them of the need to be alert for the emergence or worsening of symptoms of depression, any unusual changes in mood or behavior, or the emergence of suicidal thoughts, behavior, or thoughts about self-narm. Behaviors of concern should be reported immediately to healthcare providers [see Warnings and

Precautions (5.2)1. Serious Dermatologic Reactions

Definition treatments

adients of the early signs and symptoms of severe cutaneous adverse reactions and to report any occurrence
ately to a physician [see Warnings and Precautions (5.3)].

Potential Signs of Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS) and Other Systemic Reactions Advise patients of the early toxic signs and symptoms of potential hematologic, dermatologic, hypersensitivity, or hepatic reactions. These symptoms may include, but are not limited to, fever, sore throat, rash, ulcers in the mouth, nepatic reactions. These symptoms may include, but are not limited to, fever, sore throat, rash, ulcers in the mouth, easy bruising, lymphadenopathy, facial swelling, and petechial or purpuric hemorrhage, and in the case of liver reactions, anorexia, nausea/vomiting, or jaundice. Advise the patient that, because these signs and symptoms may signal a serious reaction, that they must report any occurrence immediately to a physician. In addition, advise the patient that these signs and symptoms should be reported even if mild or when occurring after extended use [see Warnings and Precautions (5.3, 5.4, 5.5, 5.8, 5.9)]. Cardiac Effects

Counsel patients that cases of bradycardia and cardiac arrest have been reported, both at recommended phenytoin

Advise patients to discontinue phenytoin and seek immediate medical care if they develop signs or symptoms of angioedema, such as facial, perioral, or upper airway swelling *[see Warnings and Precautions (5.7)*

Effects of Alcohol Use and Other Drugs and Over-the-Counter Drug Interactions teuts of relation of sea and other brugs and over-time-counted brug interactions.

utilities against the use of other drugs or alcoholic beverages without first seeking their physician's advice ee Drug Interactions (7.1, 7.2)].

form patients that certain over-the-counter medications (e.g., antacids, cimetidine, and omeprazole), vitamins (e.g., its activities of the counter medications).

folic acid), and herbal supplements (e.g., St. John's wort) can alter their phenytoin levels

Advise patients that phenytoin may cause an increase in blood glucose levels [see Warnings and Precautions (5.14)].

<u>का राष्ट्राच्या हाराज्य ।</u> ? patients of the importance of good dental hygiene in order to minimize the development of gingival hyperplasia

Neurologic Effects Counsel patients that phenytoin may cause dizziness, gait disturbance, decreased coordination and somnolence Advise patients taking phenytoin not to drive, operate complex machinery, or engage in other hazardous activities until they have become accustomed to any such effects associated with phenytoi

Inform pregnant women and women of childbearing potential that use of phenytoin during pregnancy can cause fetal harm, including an increased risk for cleft lip and/or cleft palate (oral clefts), cardiac defects, dysmorphic skul and facial features, nail and digit hypoplasia, growth abnormalities (including microcephaly), and cognitive deficits When appropriate, counsel pregnant women and women of childbearing potential about alternative therapeutic options. Advise women of childbearing potential who are not planning a pregnancy to use effective contraception while using phenytoin, keeping in mind that there is a potential for decreased hormonal contraceptive efficacy [see

notify their physician if they are breastfeeding or intend to breastfeed during therapy [see Use in Specific Population. (8.1. 8.2)1.

Encourage patients to enroll in the North American Antienileptic Drug (NAAFD) Pregnancy Registry if they become ртеgnant. This registry is collecting information about the safety of antiepileptic drugs during pregnancy [see Use in Specific Populations (8.1)].

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Dispense with Medication Guide available at: https://www.taro.com/usa-medication-guides Dispense with Medication Guide available at: https://www.taro.com/usa-medication-guides

MEDICATION GUIDE

Phenytoin (fen' i toin) chewable tablets

What is the most important information I should know about phenytoin chewable tablets?

- 1. Do not stop taking phenytoin chewable tablets without first talking to your healthcare provider.
- Stopping phenytoin chewable tablets suddenly can cause serious problems.
- Stopping a seizure medicine suddenly can cause you to have seizures more often or seizures that will not stop (status epilepticus).
- Like other antiepileptic drugs, phenytoin chewable tablets may cause suicidal thoughts or actions in a very small number of people, about 1 in 500. Call a healthcare provider right away if you have any of these symptoms, especially if they are new, worse, or worry you:
- Thoughts about suicide Trouble sleeping or dvina

New or worse anxiety

(insomnia) Attempts to commit

• New or worse irritability

impulses

- suicide New or worse depression
- Acting aggressive, being angry, or violent Acting on dangerous
- Feeling agitated or restless
- An extreme increase in activity and talking (mania) Other unusual changes in
- Panic attacks

behavior or mood Suicidal thoughts or actions can be caused by things other than

provider may check for other causes. How can I watch for early symptoms of suicidal thoughts and

medicines. If you have suicidal thoughts or actions, your healthcare

actions? Pay attention to any changes, especially sudden changes,

in mood, behaviors, thoughts, or feelings. Keep all follow-up visits with your healthcare provider as scheduled

Call your healthcare provider between visits as needed, especially if you are worried about symptoms.

- 3. Phenytoin chewable tablets can cause a type of serious allergic reaction that may affect different parts of the body such as your liver, kidneys, blood, heart, skin or other parts of your body. These can be very serious and cause death. Call your healthcare provider right away if you have any or all of these symptoms:
 - Fever
 - Rash
- Bruise easily
- Purple or red spots on your skin
- Swollen lymph glands

Sores in your mouth

- Increase infections
- Swelling of your face, eye, lips,
 Not wanting to eat or tongue
- (anorexia) Trouble swallowing or breathing
 Nausea
- Sore throat
- Vomiting
- Yellowing of the skin and the white part of your eyes (jaundice)

Call your healthcare provider even if the symptoms are mild or if you have been taking phenytoin for an extended period of time. These symptoms can be a sign of a serious allergic reaction.

- 4. Phenytoin chewable tablets can cause problems with your heart, including a slow heartbeat. Let your healthcare provider know right away if you have any of these symptoms:
 - dizziness
 - tiredness
 - feeling like your heart is beating slowly or skipping beats
 - chest pain

What are phenytoin chewable tablets?

Phenytoin chewable tablets is a prescription medicine used to treat certain types of seizures called tonic-clonic (grand mal) and psychomotor (temporal lobe) seizures.

Do not take phenytoin chewable tablets if you:

- Are allergic to phenytoin or any of the ingredients in phenytoin chewable tablets. See the end of this leaflet for a complete list of ingredients in phenytoin chewable tablets.
- Have had an allergic reaction to CEREBYX (fosphenytoin) PEGANONE (ethotoin), or MESANTOIN (mephenytoin).
- Have had liver problems from taking phenytoin.
- Take delavirdine.

Before taking phenytoin chewable tablets, tell your healthcare provider about all of your medical conditions, including if you:

- Have or have had depression, mood problems, or suicidal thoughts or behavior
- Have had an allergic reaction to a medicine similar to phenytoin called carboxamides, barbiturates, succinimides, and oxazolidinediones
- Have or had liver or kidney problems
- Have or had an enzyme problem called porphyria
- Have or had high blood sugar (hyperglycemia)
- Drink alcohol
- Are pregnant or plan to become pregnant. Phenytoin chewable tablets may harm your unborn baby.
 - If you take phenytoin chewable tablets during pregnancy, your baby is at risk for serious birth defects.
- If you become pregnant while taking phenytoin chewable tablets, the level of phenytoin in your blood may decrease, causing your seizures to become worse. Your healthcare provider may change your dose of phenytoin chewable tablets.
- If you take phenytoin chewable tablets during pregnancy, your baby is also at risk for bleeding problems right after birth. Your healthcare provider may give you and your baby medicine to prevent this.
- All women of child-bearing age should talk to their healthcare provider about using other possible treatments instead of phenytoin chewable tablets. If you are of childbearing age and are not planning on
- getting pregnant, you should use effective birth control (contraception) while taking phenytoin chewable tablets Pregnancy Registry: If you become pregnant while taking phenytoin chewable tablets, talk to your healthcare provider about registering with the North
- American Antiepileptic Drug Pregnancy Registry. You can enroll in this registry by calling 1-888-233-2334. The purpose of this registry is to collect information about the safety of antiepileptic drugs during pregnancy.
- Are breastfeeding or plan to breastfeed. Phenytoin can pass into breast milk. You and your healthcare provider should decide if you will take phenytoin chewable tablets while you are breastfeeding.

Tell your healthcare provider about all the medicines you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements. These medicines can change the levels of phenytoin in your blood.

Taking phenytoin chewable tablets with certain other medicines can cause side effects or affect how well they work. Do not start or stop other medicines without talking to your healthcare provider.

Know the medicines you take. Keep a list of them and show it to your healthcare provider and pharmacist when you get a new medicine.

How should I take phenytoin chewable tablets?

- Take phenytoin chewable tablets exactly as your healthcare provider tells you.
- Your healthcare provider will tell you how much phenytoin chewable tablets to take and when to take it.
- Your healthcare provider may change your dose if needed Do not change your dose of phenytoin chewable tablets without talking to your healthcare provider.
- If your healthcare provider has prescribed phenytoin oral suspension, ask your pharmacist for a medicine dropper or medicine cup to help you measure the correct amount of phenytoin. **Do not** use a household teaspoon. Ask your pharmacist for instructions on how to use the measuring device the right way.
- Do not stop taking phenytoin chewable tablets without first talking to your healthcare provider. Stopping phenytoin suddenly can cause serious problems.

What should I avoid while taking phenytoin chewable tablets?

- Do not drink alcohol while you take phenytoin chewable tablets without first talking to your healthcare provider Drinking alcohol while taking phenytoin chewable tablets may change your blood levels of phenytoin which can cause serious problems
- Do not drive, operate heavy machinery, or do other dangerous activities until you know how phenytoin chewable tablets affect you. Phenytoin can slow your thinking and motor skills.

What are the possible side effects of phenytoin chewable tablets?

See "What is the most important information I should know about phenytoin chewable tablets?"

Phenytoin chewable tablets may cause other serious side effects including:

- Liver problems.
- Low blood count which could increase your chance of getting infections, bruising, bleeding and increased fatigue.
- Softening of your bones (osteopenia, osteoporosis, and osteomalacia) can cause your bones to break (fractures).
- High blood sugar (hyperglycemia).
- High levels of phenytoin in your blood that could cause confusion also known as delirium, psychosis or a more serious condition that affects how your brain works (encephalopathy).

Call your healthcare provider right away, if you have any of the symptoms listed above. The most common side effects of phenytoin chewable tablets

include: Irregular movement of the
 Decrease in coordination

- eve (nystagmus) Problems with movement • Drowsiness (somnolence) and balance (ataxia)
 - Slurred speech Confusion

Phenytoin can cause overgrowth of your gums. Brushing and flossing your teeth and seeing a dentist regularly while taking phenytoin chewable tablets can help prevent this from happening.

These are not all of the possible side effects of phenytoin chewable Call your doctor for medical advice about side effects. You may report

side effects to FDA at 1-800-FDA-1088.

- How should I store phenytoin chewable tablets? Store phenytoin chewable tablets at room temperature
- between 68°F to 77°F (20°C to 25°C). Protect from moisture.

Keep phenytoin chewable tablets and all medicines out of the reach of children.

General information about the safe and effective use of

phenytoin chewable tablets. Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use phenytoin chewable tablets for a condition for which it was not prescribed. Do not give phenytoin chewable tablets to other people, even if they have the same symptoms that you have. It may harm them. You can ask your pharmacist or healthcare provider for information about phenytoir

chewable tablets that is written for health professionals. What are the ingredients in phenytoin chewable tablets? Active ingredient: 50 mg phenytoin, USP.

Inactive ingredients: Artificial banana flavor, compressible sugar, D&C yellow No. 10 aluminum lake, FD&C yellow No. 6 aluminum lake, hypromellose 2208, lactose monohydrate, magnesium stearate, saccharin sodium, and tale

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Pharmaceuticals U.S.A., Inc., at 1-866-923-4914. This Medication Guide has been approved by the U.S. Food and Drug Administration

For more information about Phenytoin Chewable Tablets, call Taro

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