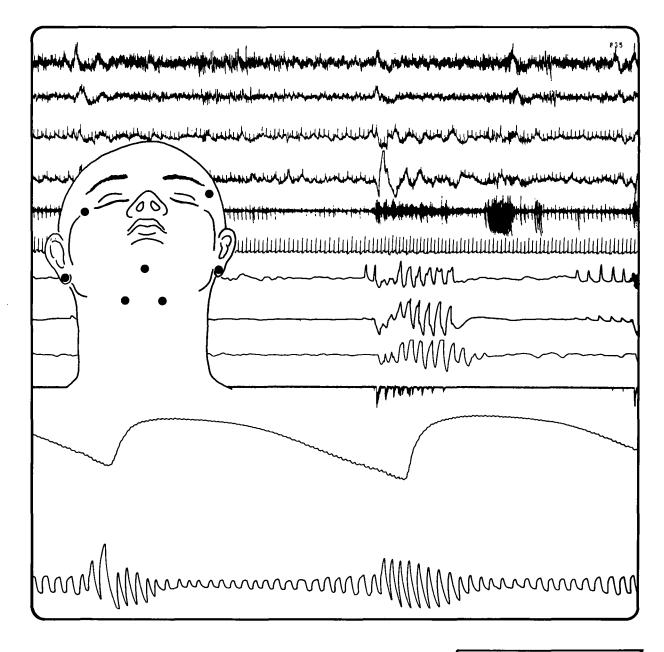
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Depakene valproic acid

Brief prescribing information

INDICATIONS AND CLINICAL USE: Depakene (valproic acid) is indicated for use as sole and adjunctive therapy in the treatment of simple and complex absence seizures, including petit mal. Valproic acid may also be used adjunctively in patients with multiple-seizure types which include absence.

In accordance with the International Classification of Seizures, simple absence is defined as a very brief clouding of the sensorium or loss of consciousness (lasting usually 2-15 seconds), accompanied by certain generalized epileptic discharges without other detectable clinical signs. Complex absence is the term used when other signs are also present.

CONTRAINDICATIONS: Depakene (valproic acid) should not be administered to patients with hepatic disease or significant dysfunction; it is contraindicated in patients with known hypersensitivity to the drug.

WARNINGS: Hepatic failure resulting in fatalities has occurred in patients receiving

CONTRAINDICATIONS: Depakene (valproic acid) should not be administered to patients with hepatic disease or significant dysfunction; it is contraindicated in patients with known hypersensitivity to the drug.

WARNINGS: Hepatic failure resulting in fatalities has occurred in patients receiving Depakene. These incidences usually have occurred during the first six months of treatment with Depakene. Serious or fatal hepatotoxicity may be preceded by non-specific symptoms such as loss of seizure control, malaise, weakness, lethargy, anorecia and vomiting. Patients and parents should be instructed to report such symptoms. Because of the nonspecific nature of some of the early signs, hepatotoxicity should be suspected in patients who become unwell, other than through obvious causes while taking sodium valproate.

Liver function tests should be performed prior to therapy and at frequent intervals thereafter especially during the first six months. However, physicians should not rely totally on serum biochemistry since these tests may not be abnormal in all instances, but should also consider the results of careful interim medical history and physical examination. Caution should be observed when administering Depakene to patients with a prior history of hepatic disease. Patients with various unusual congenital disorders, those with severe seizure disorders accompanied by mental retardation, and those with organic brain disease may be at particular risk.

In high-risk patients, it might also be useful to monitor serum fibrinogen and albumin for decrease in concentrations and serum ammonia for increases in concentration. If changes occur, valproic acid should be discontinued. Dosage should be titrated to and maintained at the lowest dose consistent with optimal seizure control.

The drug should be discontinued immediately in the presence of significant hepatic dysfunctions, suspected or apparent. In some cases, hepatic dysfunction has progressed in spite of discontinuation of drug. The frequency of adverse effects particula

NURSING MOTHERS: Depakene is secreted in breast milk. Concentrations in breast milk have been reported to be 1 to 10% of serum concentrations. As a general rule, nursing should not be undertaken while a patient is receiving valproic acid.

FERTILITY: Chronic toxicity studies in juvenile and adult rats and dogs demonstrated reduced spermatogenesis and testicular atrophy at doses greater than 200 mg/kg/day in rats and 90 mg/kg/day in dogs. Segment I fertility studies in rats have shown that doses up to 350 mg/kg/day for 60 days have no effect on fertility. The effect of Depakene (valproic acid) on the development of the testes and on sperm production and fertility in humans is unknown. LONG TERM TOXICITY STUDIES IN RATS INDICATED A POTENTIAL CARCINOGENIC RISK.

PRECAUTIONS: HEPATIC DYSFUNCTION: SEE CONTRAINDICATIONS AND WARNINGS

CENERAL: Because of reports of thrombocytopenia and platelet aggregation dysfunction, platelet counts and bleeding-time determination are recommended before instituting therapy and at periodic intervals. It is recommended that patients receiving Depakene (valproic acid) be monitored for platelet count prior to planned surgery. Clinical evidence of hemorrhage, bruising or a disorder of hemostasis/coagulation is an indication for reduction of Depakene (valproic acid) dosage or withdrawal of therapy pending investigation.

Hyperammonemia with or without lethargy or coma has been reported and may be present in the absence of abnormal liver function tests; if elevation occurs, the valproic acid should be discontinued.

the absence of approximative reflection tests, it extracts the discontinued.

Because Depakene (valproic acid) may interact with other anticonvulsant drugs, periodic serum level determinations of such other anticonvulsants are recommended during the early part of therapy (see DRUG INTERACTIONS). There have been reports of breakthrough seizures occurring with the combination of Depakene and phenytoin.

Depakene (valproic acid) is partially eliminated in the urine as a ketone-containing metabolite which may lead to a false interpretation of the urine ketone test.

DRIVING AND HAZARDOUS OCCUPATIONS: Valproic acid may produce CNS depression, especially when combined with another CNS depressant, such as alcohol. Therefore, patients should be advised not to engage in hazardous occupations, such as driving a car or operating dangerous machinery, until it is known that they do not become drowsy from the drug.

GROWSY FROM THE GRUSS. DEPAKENE (VALPROIC ACID) MAY POTENTIATE THE CNS DEPRESSANT ACTIONS: DEPAKENE (VALPROIC ACID) MAY POTENTIATE THE CNS DEPRESSANT ACTION OF ALCOHOL.
THERE IS EVIDENCE THAT VALPROIC ACID MAY CAUSE AN INCREASE IN SERUM PHENOBARBITAL LEVELS, ALTHOUGH THE MECHANISM IS UNKNOWN, PATIENTS RECEIVING CONCOMITANT BARBITURATE THERAPY SHOULD BE CLOSELY MONITORED FOR NEUROLOGICAL TOXICITY. SERUM BARBITURATE DRUG LEVELS SHOULD BE OBTAINED, IF POSSIBLE, AND THE BARBITURATE DOSAGE DECREASED, IF INDICATED.

Primidone is metabolized into a barbiturate, and therefore, may also be involved in a similar

Printione is metabolized into a barbitulate, and therefore, may also be involved in a similar or identical interaction.

THERE IS CONFLICTING EVIDENCE REGARDING THE INTERACTION OF VALPROIC ACID WITH PHENYTOIN. IT IS NOT KNOWN IF THERE IS A CHANGE IN UNBOUND (FREE) PHENYTOIN SERUM LEVELS. THE DOSE OF PHENYTOIN SHOULD BE ADJUSTED AS REQUIRED BY THE CLINICAL SITUATION.

THE CONCOMITANT USE OF VALPROIC ACID AND CLONAZEPAM MAY PRODUCE

ABSENCE STATUS.

Caution is recommended when valproic acid is administered with drugs affecting coagulation, e.g. acetylsalicylic acid and warfarin (see ADVERSE REACTIONS).

ADVERSE REACTIONS: The most commonly reported adverse reactions are nausea, vomiting and indigestion. Since Depakene (valproic acid) has usually been used with other anticonvulsants, it is not possible in most cases to determine whether the adverse reactions mentioned in this section are due to valproic acid alone or to the combination of drugs.

GASTROINTESTINAL: Nausea, vomiting and indigestion are the most commonly reported side effects at the initiation of therapy. These effects are usually transient and rarely require discontinuation of therapy. Diarrhea, abdominal cramps and constipation have also been reported. Anorexia with some weight loss and increased appetite with some weight gain have also been seen.

CNS EFFECTS: Sedative effects have been noted in patients receiving valproic acid alone but are found most often in patients on combination therapy. Sedation usually disappears upon reduction of other anticonvulsant medication. Ataxia, headache, nystagmus, diplopia, asterixis, "spots before the eyes", tremor, dysarthria, dizziness, and incoordination have rarely been noted. Rare cases of coma have been reported in patients who were also on phenobarbital.

DERMATOLOGIC: Transient increases in hair loss have been observed. Skin rash and petechiae have rarely been noted

ENDOCRINE: There have been reports of irregular menses and secondary amenorrhea in patients receiving Depakene.

PSYCHIATRIC: Emotional upset, depression, psychosis, aggression, hyperactivity and behavioural deterioration have been reported.

MUSCULOSKELETAL: Weakness has been reported.

HEMATOPOIETIC: Thrombocytopenia has been reported. Valproic acid inhibits the second phase of platelet aggregation (see DRUG INTERACTIONS). This may be reflected in altered bleeding time. Bruising, hematoma formation and frank hemorrhage have been reported. Relative lymphocytosis and hypofibrinogenemia have been noted. Leukopenia and eosinophilia have also been reported.

HEPATIC: Minor elevations of transaminases (e.g. SGOT and SGPT) and LDH are frequent and appear to be dose-related. Occasionally, laboratory tests also show increases in serum bilirubin and abnormal changes in other liver function tests. These results may reflect potentially serious hepatotoxicity. (See WARNINGS).

METABOLIC: Hyperammonemia. (See PRECAUTIONS). Hyperglycinemia has been reported and associated with a fatal outcome in a patient with pre-existing nonketotic hyperglycinemia.

PANCREATIC: Isolated reports of pancreatitis in association with valproic acid therapy have

been received.

SYMPTOMS AND TREATMENT OF OVERDOSAGE: In a reported case of overdosage with Depakene (valproic acid) after ingesting 36 g in combination with phenobarbital and phenytoin, the patient presented in deep coma. An EEG recorded diffuse slowing, compatible with the state of consciousness. The patient made an uneventful recovery.

Naloxone has been reported to reverse the CNS depressant effects of Depakene overdose. Because naloxone could theoretically also reverse the anticonvulsant effects of Depakene it should be used with caution.

As valproic acid is absorbed very rapidly, gastric lavage may be of limited value. General supportive measures should be applied with particular attention to the prevention of hypovolemia and the maintenance of adequate urinary output.

DOSAGE AND ADMINISTRATION: Depakene (valproic acid) is administered orally. The recommended initial dose is 15 mg/kg/day, increasing at one-week intervals by 5 to 10 mg/kg/day until seizures are controlled or side effects preclude further increases. The maximal recommended dose is 60 mg/kg/day. When the total daily dose exceeds 250 mg, it is given in a divided regimen. A 500-mg enteric coated capsule may be substituted for two 250-mg capsules.

The frequency of adverse effects (particularly elevated liver enzymes) may increase with increasing dose. Therefore, the benefit gained by increased seizure control must be weighed against the increased incidence of adverse effects.

Table of Initial Doses by Weight (based on 15 mg/kg/day)								
	Weight			Number of Capsules or Teaspoonfuls of Syrup				
k	g	<u>lb</u>		Dose 1	Dose 2	Dose 3		
10 -	24.9	22 - 54.9	250	0	0	1		
25 –	39.9	55 – 87.9	500	1	0	1		
40 -	59.9	88 – 131.9	750	1	1	1		
60 -		132 - 164.9	1,000	1	1	2		
75 -	89.9	165 - 197.9	1,250	2	11	2		

As the dosage of valproic acid is raised, blood levels of phenobarbital and/or phenytoin may be affected (see PRECAUTIONS).

Patients who experience G.I. irritation may benefit from administration of the drug with food or by a progressive increase of the dose from an initial low level. Such patients may benefit from administration of the enteric-coated capsule. The capsules should be swallowed without chewing to avoid local irritation of the mouth and throat.

AVAILABILITY: Depakene (valproic acid) is available as orange-coloured, soft-gelatin capsules of 250 mg in bottles of 100 capsules (Number 5681; DIN 443840); pale yellow, oval soft gelatin enteric-coated capsules of 500 mg in bottles of 100 capsules (Number D795; DIN 507989) and as a red syrup containing the equivalent of 250 mg valproic acid, as the sodium salt, per 5 mL in bottles of 450 mL (Number 5682; DIN 443832).

Depakene is now available in a 500-mg enteric-coated capsule

- REFERENCES:

 1. BMJ editorial, March 3, 1979.

 2. Data on file, Abbott Laboratories.

 3. Jeavons PM et al: Treatment of generalized epilepsies of childhood and adolescence with sodium valproate. Dev Med Child Neurol 1977; 19: 9-25.

 4. Wilder BJ: Valproic acid in clinical use: An overview. Proceedings of the Valproic Acid Round Table Conference, June 1978, Vancouver. Excerpta Medica 1979.

 5. Coulter DL et al: Valproic acid in childhood epilepsy. JAMA 1980; 244 (8): 785-88.





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Applications are invited for the position of neuropathologist at the Toronto Western Hospital, a 750 bed institution with a strong clinical and research neuroscience group (Playfair Unit).

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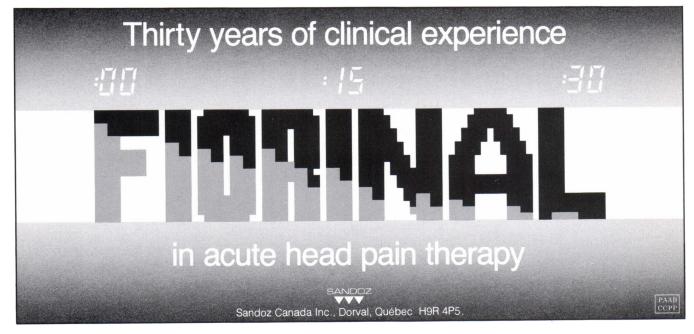
Laurence E. Becker, M.D., F.R.C.P. (C) Head Division of Neuropathology University of Toronto Toronto General Hospital Eaton Wing C-4-316 Toronto, Ontario M5G 1L7

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Antispastic agent

Indications and Clinical Uses

Alleviation of signs and symptoms of spasticity resulting from multiple sclerosis.

Spinal cord injuries and other spinal cord diseases. Contraindications

Contraindications
Hypersensitivity to LIORESAL.

Warnings
Abrupt Drug Withdrawal: Except for serious adverse reactions, the dose should be reduced slowly when the drug is discontinued to prevent visual and auditory hallucinations, confusion, anxiety with tachycardia and sweating, insomnia, and worsening of spasticity.
Impaired Renal Function: Caution is advised in these patients and reduction in dosage may be necessary.

Stroke: Has not been of benefit and patients have shown poor tolerability to the drug.

Pregnancy and Lactation: Not recommended as safety has not been established. High doses in rats and rabbits are associated with an increase of abdominal hernias and ossification defects in the fetuses.

Precautions

Precautions

Not recommended in children under 12 as safety has not been established.

not been established.

Because sedation may occur, caution patients regarding the operation of automobiles or dangerous machinery, activities made hazardous by decreased alertness, and use of alcohol and other CNS depressants.

Use with caution in spasticity that is utilized to substain upright posture and balance in locomotion, or whenever

upright posture and balance in locomotion, or whenever spasticity is utilized to obtain increased function, epilepsy or history of convulsive disorders (clinical state and EEG should be monitored), peptic ulceration, severe psychiatric disorders, elderly patients with cerebrovascular disorders, and patients receiving antihypertensive therapy.

Adverse Reactions
Most common adverse reactions are transient
drowsiness, dizziness, weakness and fatigue. Others
reported:

reportet:

Neuropsychiatric: Headache, insomnia, euphoria, excitement, depression, confusion, hallucinations, paresthesia, muscle pain, tinnitus, slurred speech, coordination disorder, tremor, rigidity, dystonia, ataxia, blurred vision, nystagmus, strabismus, miosis, mydriasis, diplopia, dysarthria, epileptic seizures. Cardiovascular: Hypotension, dyspnea, palpitation, chest pain, syncope.

Gastrointestinal: Nausea, constipation, dry mouth,

Gastrointestinal: Nausea, constipation, dry mouth, anorexia, taste disorder, abdominal pain, vomiting, diarrhea, and positive test for occult blood in stool. Genitourinary: Urinary frequency, enuresis, urinary retention, dysuria, impotence, inability to ejaculate, nocturia, hematuria.

Other: Rash, pruritus, ankle edema, excessive perspiration, weight gain, nasal congestion. Some of the CNS and genitourinary symptoms reported may be related to the underlying disease rather than to drug therapy.

The following laboratory tests have been found to be abnormal in a few patients receiving LIORESAL: SGOT, alkaline phosphatase and blood sugar (all elevated). Symptoms and Treatment of Overdosage

Symptoms and Treatment of Overdosage
Signs and Symptoms: Vomiting, muscular hypotonia, hypotension, drowsiness, accommodation disorders, Signs and Symptoms: Vomiting, muscular hypotonia, hypotension, drowsiness, accommodation disorders, coma, respiratory depression, and seizures.
Co-administration of alcohol, diazepam, tricyclic anti-depressants, etc., may aggravate the symptoms. Treatment: Treatment is symptomatic. In the alert patient, empty the stomach (induce emesis followed by lavage). In the obtunded patient, secure the airway with a culfed endotracheal tube before beginning lavage (do not induce emesis).
Maintain adequate respiratory exchange; do not use respiratory stimulants. Muscular hypotonia may involve the respiratory muscles and require assisted respiration. Maintain high urinary output. Dialysis is indicated in severe poisoning associated with renal failure.
Dosage and Administration
Optimal dosage of IORESAL requires individual titration. Start therapy at a low dosage and increase gradually until optimum effect is achieved (usually 40-80 mg daily).
The following dosage titration schedule is suggested: 5 mg t.i.d. for 3 days 15 mg t.i.d. for 3 days 10 mg t.i.d. for 3 days 20 mg t.i.d. for 3 days 10 mg t.i.d. for 3 days 20 mg t.i.d. for 3 days 100 mg q.i.d.
The lowest dose compatible with an optimal response is recommended. If benefits are not evident after a

The lowest dose compatible with an optimal response is recommended. If benefits are not evident after a reasonable trial period, patients should be slowly withdrawn from the drug (see Warnings).

Availability
LIORESAL (baclofen) 10 mg tablets.
White to off-white flat-faced, oval tablets with GEIGY monogram on one side and the identification code 23 below the monogram. Fully bisected on the reverse

Available in bottles of 100 tablets.

Product Monograph supplied on request.

- References:
 1. Feldman et al, Neurology, Vol. 28, No. 11 pp 1094-1098, 1978.
- 2. Symposia Reporter, Vol. 3, No. 2.

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Neuromatic - v

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Lioresal — OBC, iii, xii Tegretol - iv, viii, xiv

Grass Instrument Company Polysomnographic Recording — ix

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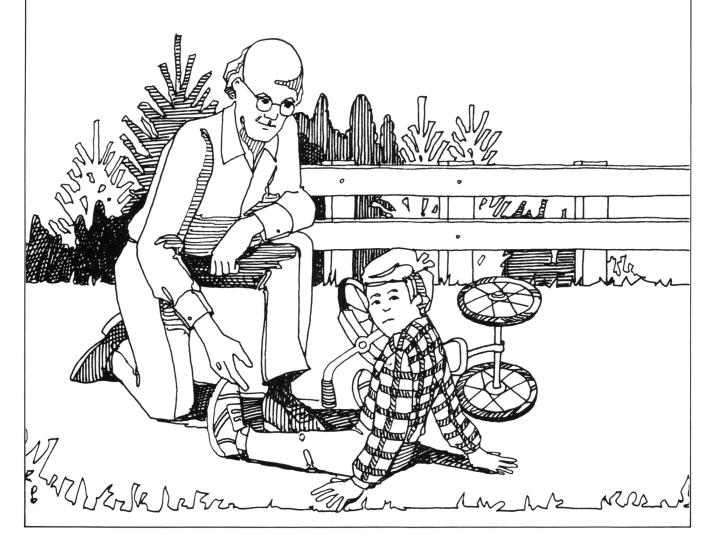
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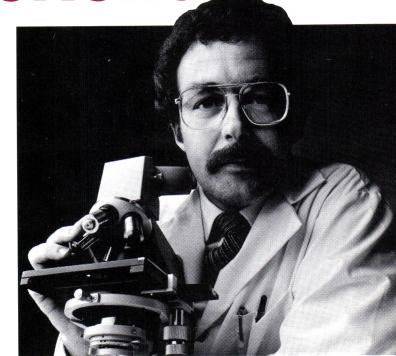
And in 1979, this indication was again expanded to include usage in refractory generalized tonic/clonic seizures.

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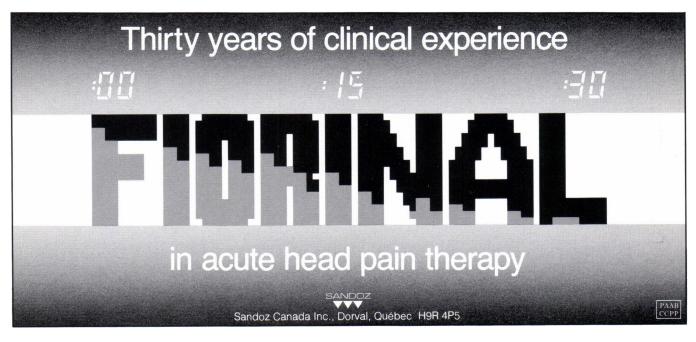


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ACTIONS: Dexamethasone Sodium Phosphate is a synthetic analogue of the naturally-occurring glucocorticoid, hydrocortisone. Glucocorticoids cause profound and varied metabolic effects and are able to modify the body's immune responses to diverse stimuli. Due to the introduction of a 1,2 double bond, a methyl group at carbon 18, and a fluoride group at carbon 9, dexamethasone has markedly enhanced anti-inflammatory and significantly diminished sodium-retaining properties.

MDICATIONS: Cerebral edema of diverse etiologies in conjunction with adequate neurological evaluation and management. For a complete list of indications please consult the product monograph.

CONTINUED TO A COMPIETE IIST OF INDICATIONS: Please consult the product monograph.

CONTRANDICATIONS: Systemic fungal infections; hypersensitivity to any component of the medication.

WARNINGS: In patients on corticosteroid therapy subjected to any unusual stress, increased dosage of rapidly acting corticosteroids before, during and after the stressful situation is indicated.

Corticosteroids may mask some signs of infection and new infections may appear during their use. There may be decreased resistance and inability to localize infection when corticosteroids are used.

Prolonged use of corticosteroids may produce posterior subcapsular cataracts, glaucoma with possible damage to the optic nerves and may enhance the establishment of secondary ocular infections due to fungi or viruses.

Corticosteroids should be used cautiously in patients with ocular herpes simplex for fear of corneal ulceration and perforation.

Usage in Pregnancy. Since adequate human reproduction

perforation.

Usage in Pregnancy. Since adequate human reproduction studies have not been done with corticosteroids, the use of these drugs in pregnancy, nursing mothers or women of childbearing potential, requires that the possible benefits of the drug be weighed against the potential hazards to the mother and embryo or letus. Infants born of mothers who have received substantial doses of corticosteroids during pregnancy should be carefully observed for signs of hypoadrenalism.

Corticosteroids appear in breast milk and may suppress growth, interfere with endogenous corticosteroid production, or cause other unwanted effects. Therefore, mothers taking these drugs should be advised not to breastleed their babies.

taking these drugs should be advised not to breastfeed their babies.

Average and large doses of corticosteroids can cause elevation of blood pressure, salt and water retention, and increased excretion of potassium. These effects are less likely to occur with the synthetic derivatives except when used in large doses. Dietary salt restriction and potassium supplementation may be necessary. All corticosteroids increase calcium excretion.

While on Corticosteroid Therapy Patients Should Not be Vaccinated Against Smallpox. Other Immunization Procedures Should Not be Undertaken in Patients who Are on Corticosteroids, Especially in High Doses, Because of Possible Hazards of Neurological Complications and Lack of Antibody Response.

The use of HEXADROL: Phosphate Injection in active tuberculosis of the management of the disease in conjunction with appropriate anti-tuberculosis in which the corticosteroid is used for the management of the disease in conjunction with appropriate anti-tuberculous regimen. If corticosteroids are indicated in patients with latent tuberculosis are activity, close observation in Eccessary as reactivation of the disease may occur. During prolonged corticosteroid therapy, these patients should receive chemoprophylaxis.

Because rare instances of anaphylactoid reactions have cocurred in patients receiving parenteral corticosteroid therapy, appropriate precautionary measures should be treated by intravenous injection.

PRECAUTIONS: Drug-induced secondary adrenocortical in sufficiency may be minimized by gradual reduction of the

treated by intravenous injection.

PRECAUTIONS: Drug-induced secondary adrencortical insufficiency may be minimized by gradual reduction of the
dosage. This type of relative insufficiency may persist for
months after discontinuation of therapy; therefore, in any
situation of stress occurring during that period, hormone
therapy should be reinstituted. Since mineralocorticoid
secretion may be impaired, salt and/or a mineralocorticoid
should be administered concurrently.

When corticosteroids are administered concomitantly
with potassium—depleting diuretics, patients should be
observed closely for development of hypokalemia.
There is an enhanced effect of corticosteroids in patients
with hypothyroidism and in those with cirrhosis.
The lowest possible dose of corticosteroid should be used
to control the condition under treatment, and when
reduction in dosage is possible, the reduction must be
gradual.

gradual.
When large doses are given, some authorities advise that antacids be administered between meals to prevent peptic

antacids be administered between meals to prevent peptic ulcer.
Psychic derangements may appear when corticosteroids are used, ranging from euphoria, insomnia, mood swings, personality changes, and severe depression to frank psychotic manifestations. Also, existing emotional instability or psychotic tendencies may be aggravated by corticosteroids.
Acetylsalicylic acid should be used cautiously in conjunction with corticosteroids in hypoprothrombinemia. Steroids should be used with caution in nonspecific ulcerative colitis, if there is a probability of impending perforation abscess or other pyogenic infection, also in diverticulitis, fresh intestinal anastomoses, active or latent peptic ulcer, renal insufficiency, hypertension, osteoporosis and myasthenia gravis.
Growth and development of infants and children on prolonged corticosteroid therapy should be carefully followed.
Intra-articular injection of a corticosteroid may produce systemic as well as local effects.
Frequent intra-articular injection may result in damage to joint issues.

request intra-arricular injection rice yestical states of the condition rather than by strict indicated by age or body weight) an adjunct to, and not a replace benefit has been obtained as long as the inflammatory process remains active.

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Appropriate examination of any joint fluid present is necessary to exclude a septic process.

A marked increase in pain, accompanied by local swelling, further restriction of joint motion, fever, and malaise are suggestive of septic arthritis. If this complication occurs and the diagnosis of sepsis is confirmed, appropriate antimicrobial therapy should be instituted.

Local injection of a steroid into a previously infected joint is to be avoided. Corticosteroids should not be injected into unstable joints.

Patients who have received prolonged corticoid therapy may develop a state of relative adrenal insufficiency which may persist for a year or more following cessation of therapy.

Psychological and/or physiological dependency may develop with long-term use of corticosteroids. Withdrawal symptoms, including anorexia, vague pains, weakness and lethargy may occur.

It may prove lifesaving in critically ill patients suffering from severe overwhelming intections for which specific antibiotic therapy is available. It may permit survival until the antibiotic has had time to take effect. Since corticoids mask the classical signs of infection, their use in such cases must be undertaken with the greatest caution. Bacteriological studies and adequate antibiotic therapy must be started before the first dose of this corticoid and its use should be discontinued as soon as possible and at least three days before antibiotic therapy is stopped.

Corticosteroids may exacerbate systemic fungal infections on therefore should not be used in the presence of such infections unless they are needed to control drug reactions to amphotericin B. Moreover, there have been cases reported in which concomitant use of amphotericin B and hydrocortisone was followed by cardiac enlargement and congestive failure.

Diphenylhydantoin, phenobarbital, and ephedrine may enhance the metabolic clearance of corticosteroids resulting in decreased blood levels and lessened physiological activity, thus requiring adjustment in corticosteroids, resulting in

In intercostal neurritis and neuralyia, you've agents, entering the pleura.

Overdistention of the joint capsule and deposition of steroid along the needle track should be avoided in intra-articular injection since this may lead to tissue atrophy. Steroids may increase or decrease motility and number of spermotozo in some patients.

Patients should be advised to inform any new physician that they have been on corticosteroid therapy.

Patients should be advised to inform any new physician that they have been on corticosteroid therapy.

ADVERSE REACTIONS:

1. Fluid and electrolyte disturbances: sodium retention, fluid retention, congestive heart failure in susceptible patients, potassium loss, hypokalemic alkalosis, hypertension, hypotension or shock-like reaction. 2. Musculoskeletal: muscle weakness, steroid myopathy, loss of muscle mass, osteoporosis, vertebral compression fractures, aseptic necrosis of femoral and humeral heads, pathologic fracture of long bones. 3. GastroIntestinal: peptic ulcer with possible subsequent perforation and hemorrhage, pancrealitis, abdominal distention, ulcerative esophagitis. 4. Dermatologic: impaired wound healing, thin fragile skin, petechiae and ecchymoses, burning or tingling, especially in the perinaal area (after I.V. injection), facial erythema, increased sweating, may suppress reactions to skin lests, othe cutaneous reactions, such as allergic dermatitis, urticaria angioneuroitic edema. 5 Meurological: increased intracaranial pressure with papilledema (pseudotumor cerebri) usually after treatment, convulsions, vertigo, headache. 6 Endocrine: menstrual irregularities, development of Cushingoid state, suppression of growth in children, secondary adrenocortical and pituitary unresponsiveness, particulary in times of stress, as in trauma, surgery, or illness, decreased carbohydrate tolerance, manifestations of latent diabetes mellitus, increased requirements for insulin or oral hypoglycemic agents in diabetics. 7. Ophthalmic: Posterior subcapsular cafaracts, increased intraocular pressure, introgen balance due to protein catabolism. 8. Metabolic Negative nitrogen balance due to protein succabolism. 8. Miscollaneous and cutaneous atrophy, sterile abscess, postinjection flarer instances of blindness associated with intralesional therapy around the face and head, anaphylactoid or hypersensitivity reactions, thromboembolism, weight gain, increased dependency.

SYMPTOMS AND TREATMENT OF OVERDOSAGE: Dexamethas

SYMPTOMS AND TREATMENT OF OVERDOSAGE: Dexametha-sone is unlikely to result in acute toxicity due to overdosage because very large single doses of corticosteroids do not give rise to serious side effects. However, should overdosage occur, there is no known antidote. Gastric lavage should be performed in acute overdose. Therapy is otherwise symptomatic.

DOSAGE AND ADMINISTRATION

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A. General principles governing administration: 1. Dosage must be individualized according to the severity of the disease and the response of the patient. (For infants and children, the recommended dosage will have to be reduced, but dosage should be governed by the severity of the condition rather than by strict adherence to the ratio indicated by age or body weight). 2. Hormone therapy is an adjunct to, and not a replacement for, conventional therapy. 3. Dosage must be decreased or discontinued gradually when the drug has been administered for more does University Press.

than a few days. 4. The severity, prognosis and expected duration of the disease and the reaction of the patient to medication are primary factors in determining dosage. 5. If a period of spontaneous remission occurs in a chronic condition, treatment should be discontinued. 8. Routine laboratory studies such as urinalysis, two-hour post-prandial blood sugar, determination of blood pressure and body weight, and a chest x-ray should be made at regular intervals during prolonged therapy. Upper Gix-rays are desirable in patients with an ulcer history or significant dyspepsia.

inginificant dyspepsia.

B. Intravenous or Intramuscular Injection: The usual dosevaries from 4 to 20 mg depending on the nature and severity of the disease being treated. Intravenous doses exceeding 8 mg should be given slowly over a period of one minute. The initial dose may be repeated as necessary until the desired response is noted. Maintenance doses average 2 to 4 mg daily. After achieving satisfactory control the patient should be switched to oral therapy as soon as feasible.

In the treatment of unresponsive shock, high pharmacologic doses of glucocorticoids are recommended currently. Various dosage regimens have been suggested by different authors. These include: the use of a single intravenous injection of 1-6 mg/kg body weight; continuous infusion of 3 mg/kg body weight per 24 hours after initial intravenous bolus of 40 mg followed by repeated intravenous sinjections every 2-6 hours while the state of shock persists.

intravenous injections every 2-6 hours while the state of shock persists.

Whenever possible use intravenous route for the initial and for as many subsequent doses as are given while the patient is in shock (because of irregular absorption by other routes in such patients). When the blood pressure responds, use the intramuscular route until oral therapy can be substituted.

For the treatment of cerebral edema in adults an initial intravenous dose of 10 mg is recommended, followed by 4 mg intravenously or intramuscularly every 6 hours until maximum response has been noted. This regimen may then be tapered over several days using either parenteral or oral dexamethasone. Non-operative cases of cerebral edema may require continuous therapy to remain free of symptoms of increased intracranial pressure. The smallest effective dose may be used in children, preferably orally. This may approximate 0.2 mg/kg/24 hours in divided doses.

There is a tendency in current medical practice to use high doses of parenteral dexamethasone in the short-term therapy of selected cases of life-threatening cerebral edema. The following dosage regimens have been suggested by various authors:

suggested by various authors:

Dosage Schedule

Goblet, et al: Adults: 48 mg as a single dose then 8 mg every
2 hours on days 1 and 3; 4 mg every 2 hours on days 2 and
4; 4 mg every 4 hours on days 5 through8. All doses are to
be given parenterally.

Children: age 10-14 years receive one-half adult dose, age
less than 10 years receive one-quarter adult dose.

Faupel, et al: Adults: 2 100 mg intravenously tollowed by 100
mg intramuscularly 6 hours later then. 4 mg intramuscularly every 6 hours for 8 days, thereafter taper daily by 4
mg.

mg.

Bruce, at al: Adults and Children: 3 1.5 mg/kg as a loading dose followed by 1.5 mg/kg/day for the first 5 days then taper slowly over the following 5 days and discontinue. All doses are to be given parenterally.

All doses are to be given parenterally.

Stability studies of HEXADROL. Phosphate Injection diluted in various intravenous solutions in glass or plastic containers have demonstrated that potency is maintained up to 4 weeks at room temperature. Patients currently being treated with other glucocorticoids may be conveniently transferred to this agent using the following dosage equivalents:

Demanethasone—0.75 mg = methylprednisolone and tramcinolone—4.0 mg = prednisone and prednisolone—5 mg = hydrocortisone—20 mg = cortisone—25 mg

SIEPPLER 5 ml (4 mg/ml) multiple dose vital (for

SUPPLIED: 5 ml (4 mg/ml) multiple dose vital (for subcultaneous, intramuscular, or intravenous injection); 10 ml (10 mg/ml) multiple dose vial (for intravenous or intramuscular injection only).



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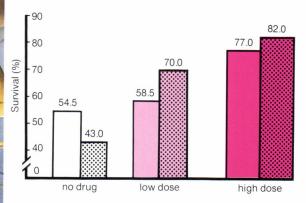
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In life-threatening head trauma, survival may be measured in milligrams.

Hexadrol* in high doses increases survival dramatically

While these studies show that even low doses of Hexadrol* will improve the patient's chance for survival, high doses given quickly are much more beneficial.

Survival rates at increasing dosages of dexamethasone in 2 separate studies



Adapted from:

Gobiet W et al: Intracranial Pressure III. Edited by Beks JWF

et al, Berlin, Springer-Verlag, 1976 pp. 231-4.

Faupel G et al: Dynamics of Brain Edema. Edited by Pappus HM, Feindel W, New York, Springer-Verlag, 1976 pp. 337-43.

 Gobiet
 16 mg STAT 4 mg q6h
 48 mg STAT 8 mg q2h (days 1&3) 4 mg q2h (days 2&4) 4 mg q4h (days 5-8)

 Faupel
 12 mg STAT 100 mg STAT 4 mg q6h
 100 mg STAT 100 mg Gafter 6 h) 4 mg q6h

Hexadrol* can be given quickly in high doses

One 10 mL vial contains 100 mg — enough to initiate therapy in these lifethreatening cases. Hexadrol* is already in solution. No breaking of seals or shaking is necessary. And Hexadrol* is so stable it can be stored for up to two years at room temperature.



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HEXADROL*

(dexamethasone sodium phosphate injection U.S.P.)





Traitez la spasticité dès le début pour accélérer son rétablissement.

Une prompte intervention avec le Lioresal, avant qu'une incapacité majeure ne s'installe, peut grandement contribuer à la réadaptation!

- Lioresal aide à soulager la spasticité due aux lésions de la moelle épinière, à la sclérose en plaques et autres affections médullaires.
- Lioresal agit principalement au niveau de la moelle épinière éliminant le risque de sédation excessive gênante.²
- Lioresal améliore la perspective d'un traitement prolongé!

avant qu'il ne soit **trop tard.**



