APPLICATION NUMBER: 13-263/S-072/S-075 16-087/S-079/S-081

APPROVAL LETTER

NDA 13-263/S-072/075 NDA 16-087/S-079/081

Roche Products Inc. Attention: Lynn DeVenezia-Tobias Drug Regulatory Affairs 340 Kingsland Street Nutley, NJ 07110-1199

Dear Ms. DeVenezia-Tobias:

Please refer to your new drug applications submitted under section 505(b) of the Federal Food, Drug, and Cosmetic Act for Valium (diazepam) Tablets (NDA 13-263) and Valium (diazepam) Injection (NDA 16-087).

We additionally refer to the following supplemental applications:

_NDA	Supplement	Dated
13-263	S-072	March 2, 1988
13-263	S-075	January 18, 1994
16-087	S-079	October 2, 1987 and amended on March 2, 1988
16-087	S-081	January 18, 1994

These "Changes Being Effected" supplemental new drug applications provide for the following revisions to product labeling:

13-263/S-072 & 16-087/S-079

- 1. The replacement of the subsection entitled **Physical and Psychological Dependence** with a **Drug Abuse and Dependence** subsection under the **WARNINGS** section.
- 2. The addition of a section under the **WARNINGS** section referring the prescriber to the **Drug Abuse and Dependence** section.
- 3. The addition of a subsection entitled **Information for Patients** under the **PRECAUTIONS** section.
- 4. The addition of the dye contents to the Valium tablet prescriber labeling under the **DESCRIPTION** section in accordance with a Federal Register Notice dated June 8, 1987.
- 5. The deletion of the Valium injection 10 ml vials packaged in configurations of 10 vials to the Valium injection prescriber labeling under the **HOW SUPPLIED** section.

NDAs 13-263 & 16-087 Page 2

We note that these revisions were requested by the Agency in letters dated July 6, 1987 and January 5, 1988.

13-263/S-075 & 16-087/S-081

Revisions to the MANAGEMENT of OVERDOSAGE section regarding the use of flumazenil for the complete or partial reversal of the sedative effects due to suspected benzodiazepine overdose as requested in an Agency letter dated January 28, 1993.

We have completed the review of these supplemental applications, as amended, and have concluded that adequate information has been presented to demonstrate that the drug product is safe and effective for use as recommended in the submitted final printed labeling (package insert submitted January 18, 1994/Label Codes 13-06-78950-0693 [NDA 13-263] and 13-06-78965-0282 [NDA 16-087]). Accordingly, these supplemental applications are approved effective on the date of this letter.

If a letter communicating important information about this drug product (i.e., a "Dear Health Care Professional" letter) is issued to physicians and others responsible for patient care, we request that you submit a copy of the letter to this NDA and a copy to the following address:

MEDWATCH, HF-2 FDA 5600 Fishers Lane Rockville, MD 20857

We remind you that you must comply with the requirements for an approved NDA set forth under 21 CFR 314.80 and 314.81.

If you have any questions, call Mr. Paul David, R.Ph., Senior Regulatory Project Manager, at (301) 594-5530.

Sincerely,

{See appended electronic signature page}

Russell Katz, M.D.
Director
Division of Neuropharmacological Drug Products
Office of Drug Evaluation I
Center for Drug Evaluation and Research

This is a representation of an electronic record that was signed electronically and this page is the manifestation of the electronic signature.

/s/

Russell Katz 2/7/02 08:01:22 AM

APPLICATION NUMBER: 16-087/S-079/S-081

FINAL PRINTED LABELING

A.H.F.S. Category 28:16.08



Injectable VALIUM* (diazepam)

200

NIECTABLE diazenam

For relief of acute anxiety when rapid action is required

In acute alcohol withdrawal

As a useful adjunct in

endoscopic procedures • skeletal muscle spasm associated with local pathology, cerebral palsy, athetosis, stiff-man syndrome, tetanus • status epilepticus and severe recurrent comrulsive seizures

As premedication in patients undergoing

surgical procedures • cardioversion

DESCRIPTION: Each ml. contains 5 mg diazepam compounded with 40% pro-pylene glycol, 10% ethyl alcohol, 5% sodium benzoate and benzoic acid as buffers, and 15% benzyl alcohol as preservative.

Diazepam is a benzodiazepine derivative developed through original Roche research. Chemically, diazepam is 7-chloro-13-dihydro-1-methyl-5-phenyl-2H-14-benzodiazepin-2-one, it is a coloriess crystalline compound, insoluble in water and has a molecular weight of 284.74 its structural formula is as follows:

ACTIONS: In animals, diazepam appears to act on parts of the limbic system, the thatamus and hypothalamus, and induces calming effects. Diazepam, unlike chlor-promazine and reserpine, has no demonstrable peripheral autonomic blocking action, nor does it produce extrapyramidal side effects; however, animals treated with diazepam do have a transient ataxia at higher doese. Diazepam was found to have transient cardiovascular depressor effects in dogs. Long-term experiments in last revealed no disturbances of endocrine function, injections into animals have produced localized irritation of tissue surrounding injection sites and some thick-ening of veins after intravenous use.

PILICATIONS: Valuer is indicated for the management of anxiety disorders or for the short-term relief of the symptoms of anxiety. Anxiety or tension associated with the stress of everyday life usually does not require treatment with an anxiolytic.

In acryte alcohol withdrawal. Vallum may be useful in the symptomatic relief of carine accuracy, increase the procedures of appearances and halmocross.

As an adjunct prior to endoscopic procedures if appearances, accept, or accept stress reactions are present, and to diminish the patient's recall of the procedures. ((See WARNINGS.)

Valium is a useful adjunct for the relief of skeletal muscle spasm due to reflex spasm to local pathology (such as inflammation of the muscles or joints, or sec-ondary to trauma); spasticity caused by upper motor neuron disorders (such as cerebral palsy and paraplegia); athetosis; stiff-man syndrome; and tetanus.

Injectable Valium is a useful adjunct in status epilepticus and severe recurrent convulsive seizures.

Valium is a useful premedication (the 🎒 route is preferred) for relief of anxiety and tension in patients who are to undergo surgical procedures. Intravenously, prior to cardioversion for the relief of anxiety and tension and to diminish the patient's irecall of the procedure.

CONTRAMPLICATIONS: Injectable Valium is contraindicated in patients with a known hypersensitivity to this drug; acute narrow angle glaucoma; and open angle glaucoma unless patients are receiving appropriate therapy.

with the wide of the control of the following procedures should be under-taken to reduce the possibility of venous thrombosis, phlebitis, local irritation, swelling, and, rarely, vascular impairment: the solution should be nijected slowly, taking at least# minute for each 5 mg (1 mL) given; do not use small veins, such as those on the dorsum of the hand or wrist; extreme care should be taken to avoid intra-arterial administration or extravasation.

Do not mix or dilute Valium with other solutions or drugs in syringe or infusion flask. If it is not leasible to administer Valium directly life it may be injected slowly through the infusion tubing as close as possible to the vein insertion.

Extreme care must be used in administering injectable Vallum, particularly by the froute, to the elderly, to very ill patients and to those with limited pulmonary reserve because of the possibility that apnea and/or cardiac arrest may occur. Concomitant use of barbiturates, alcohol or other central nervous system depressants increases depression with increased risk of appea

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Resuscitative equipment including that necessary to support respiration should be reactily available

When Valum is used with a narcotic analogsic, the dosage of the narcotic should be reduced by at least one-third and administered in small increments. In some cases the use of a narcotic may not be necessary.

Injectable Valkum should not be administered to patients in shock, coma or in acute alcoholic intoxication with depression of vital signs. As is true of most CNS-acting drugs, patients receiving Valkum should be cautioned against engaging in hazardous occupations requiring complete mental alertness, such as operating machinery or driving a motor vehicle.

Tonic status epilepticus has been precipitated in patients treated with IV Valium for petit mal status or petit mal variant status:

It mas actus or pen mai varient status.

Usage in Pregnancy: An increased risk of congenital malformations associated with the use of minor tranquilitiers (diazopem; meprobamate and chloridiazopoxide) during the first trimester of pregnancy has been suggested in several studies. Because ase of these trust is rarely a matter of impency, their use during this period should almost always he avoided. The possibility that a woman of childbearing potential may be pregnant at the time of institution of therapy should be considered. Patients should be advised that if they become pregnant during therapy or intend to become pregnant trusy should communicate with their physicians about the destrability of discontinuate the ores.

In humans, measurable amounts of diazepam were found in maternal and cord blood, indicating placental transfer of the drug. Until additional information is available, Valium Injectable is not recommended for obstetrical use.

Use in Children: Efficacy and safety of parenteral Valium has not been established in the neonate (30 days or less of age).

Protonged central nervous system depression has been observed in neonates, apparently due to inability to biotransform Valium into inactive metabolites.

In pediatric use, in order to obtain maximal clinical effect with the minimum amount of drug and thus to reduce the risk of hazardous side effects, such as apnea or prolonged periods of somnolence, it is recommended that the drug be given slowly over administrate period in a dosage not to exceed 0.25 mg/kg. After an internal of 15 to 30 minutes the initial dosage can be safely repeated. If, however, relief of symptoms is not obtained after a third administration, adjunctive therapy appropriate to the condition being treated is recommended.

Withdrawal symptoms of the barbiturate type have occurred after the discontinua-tion of benzodiazepines. (See DRUG ABUSE AND DEPENDENCE section.)

PRECAUTIONS: Although seizures may be brought under control promptly, a significant proportion of patients experience a return to seizure activity, presumably due to the short-fived effect of Valium after IV administration. The physician should be prepared to readminister the drug. However, Valium is not recommended for maintenance, and once seizures are brought under control, consideration should be given to the administration of agents useful in longer term control of

If Vallum is to be combined with other psychotropic agents or anticonvulsant drugs, careful consideration should be given to the pharmacology of the agents to be employed—particularly with known compounds which may potentiate the action of Vallum, such as phenotitiazines, narcotics, barbiturates, MAO inhibitors and other articlespressant. action of valuality, such as previous arrest, including an another transitions and other antidepressants. In highly arodous patients with evidence of accompanying depression, particularly those who may have suicidal tendencies, protective measures may be necessary. The usual procautions in treating patients with impaired hepatic function should be observed. Metabolities of Valuari are excited by the kidney; to avoid their excess accumulation, caution should be exercised in the administration to patients with compromised lidings function.

Since an increase in cough reflex and larynpospastic may occur with pentral endo-scopic population, the use of a find at an entire it, about and the analysis of nec-essary countries assumes and analysis.

estary counterpolitions in Paragraphic Injectable discinum is not recommended

Injectable Vallum has produced hypotension or muscular weakness in some patients particularly when used with narcotics, barbiturates or alcohol.

Lower doses (usually 2 mg to 5 mg) should be used for elderly and deblikated patients.

The clearance of Valium and certain other benzodiazepines can be delayed in asso-ciation with Tagamet (cimetidine) administration. The clinical significance of this is unclear.

unclear

ADVERSE REACTIONS: Side effects most commonly reported were drowsiness, fatigue and ataxia; venous thrombosis and phiebitis at the site of injection. Other adverse reactions less frequently reported include: CNS: confusion, depression, dysarthria, headache, hypocativity, sturred speech, synoop, termor, vertigo. C.L.: constipation, nausea. G.L.: incontinence, changes in Biblio, urinary retention. Cardivascular: bradycardia, cardiovascular collapse, hypotension. EPMT blurred vision, diplopia, nystagmus. Skin: urticaria; skin rash. Other: hiccups, changes in salivation, neutroperia, jaundice. Paradoxical reactions such as acute hyperectied states, anotety, hattuchations, increased muscle spasticity, insomnia, rage, siege disturbances and stimulation have been reported; should these occur, use of the drug should be discontinued. Minor changes in EEG patterns, usually low-voltage fast activity, have been observed in patients during and after Valium therapy and are of no frowm significance. are of no known significance.

In peroral endoscopic procedures, coughing, depressed respiration, dyspnea, hyperventilation, laryngospasm and pain in throat or chest have been reported.

Because of isolated reports of neutropenia and laundice, periodic blood counts and liver function tests are advisable during long-term therapy.

DRUG ABUSE AND DEPENDENCE: Withdrawal symptoms, similar in character to those noted with barbiturates and alcohol (convulsions, tremor, abdominal and muscle cramps, vomiting and sweating), have occurred following abrupt discontinuance of diazepam. The more severe withdrawal symptoms have usually been

JECTABLE VALIUM®

(diazepam)



89620693

Injectable WALJUM® (diazecam)

Initial to those patients who had received excessive doses over an extended peri-d of time. Generally milder withdrawal symptoms (eq. dysphoria and insomnia) take been reported following abrupt discontinuance of benzodiazzpines taken con-inpousty at therapeutic levels for several months. Consequently, after extended hypay, abrupt discontinuation should generally be avoided and a gradual dosage turning schedule belowed. Addiction-prone individuals (such as drug addicts or appholics) should be under careful survellance when receiving diazeparm or other sychologic agents because of the predisposition of such patients to habituation and dependence. dependence

THE OPERIOR S. AND ADMINISTRATION: Dosage should be individualized for maximum leneficial effect. The usual recommended dose in older children and adults ranges storn 2 mg to 20 mg. For 35 depending on the indication and its seventy. In some conditions, eg. tetanus, larger doses may be required. (See dosage for specific indications.) In acute conditions the injection may be repeated within 1 hour attribution and interval of 3 to 4 hours is usually satisfactory. Lower doses (usually 1 mg to 5 mg) and slow increase in dosage should be used for elderly or debilitated patients and when other sedative drugs are administered. (See WARNINGS and ADVERSE REACTIONS.) OVERSE REACTIONS.)

for dosage in intarts above the age of 30 days and children, see the specific indi-cations below. When intravenous use is indicated, facilities for respiratory assis-tance should be readily available.

ntamuscular: injectable Valium should be injected deeply into the muscle

Intravenous Use: (See WARNINGS, particularly for use in children.) The solution should be injected showly taking at least 1 minute for each 5 mg (1 mL) given. Do do use small veins, such as those on the dorsum of the hand or wrist. Extreme are should be taken to avoid intra-arterial administration or extravasation.

the should be used to the with other solutions or drugs in syringe or infusion lasts. If it is not feasible to administer Valum directly IV, it may be injected slowly hypogh the infusion tubing as close as possible to the vein insertion.

USUAL ADULT DOSAGE

necessary.

DOSAGE RANGE IN CHILDREN

(IV administration should be made slowly)

inderate Anxiety Dis-priers and Symptoms of Repeat in 3 to 4 hours, if Indiety.

riere Anxiety Disorders 5 mg to 10 mg, BM or IV.
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intoscopic Procedures:

minutes prior to the pro-cedure.

iscle Spasm: Asso-Miscie Spasm: Asso-lated with local patholo-y, cerebral palsy, atheto-is, stiff-man syndrome etanus.

5 mg to 10 mg, IM or IV For tetanus in infants initially, then 5 mg to 10 over 30 days of age, 1 mg in 3 to 4 hours, if mg to 2 mg IM or IV, necessary. For tetanus, slowly, repeated every 3 larger doses may be to 4 hours as necessary. In children 5 years or 1 mg to 10 mg t to 4 hours as necessary. In children 5 years or older, 5 mg to 10 mg repeated every 3 to 4 hours may be required to control tetanus spasms. Respiratory assistance should be available.

in the second second

Sing to 10 mg initially Infants over 30 days of the Recurrent Conrelisive Seizures: In the tion may be repeated if 5 years, 0.2 mg to 0.5 mg slowly every 2 to 5 mg to 10 to 15 mg slowly every 2 to 5 mg to 10 to 15 mg slowly every 2 to 5 mg to 10 to 15 mg to 10 to 15 mg to 10 to 1 lowever if IV adminis-tation is impossible, the route may be used.

If necessary, therapy with Valium may be re-peated in 2 to 4 hours; however, residual active metabolites may persist, and readministration should be made with this

or older, 1 mg every 2 to 5 minutes up to a maximum of 10 mg (slow IV administration preferred). Repeat in 2 to 4 hours if necessary. EEG monitoring of the seizure may be helpful.

(Continued)

(Cont.)

Injectable VALIUM* (diazepam)

USUAL ADULT DOSAGE

Extreme caution must be exercised with individuals with chronic lung disease or unstable cardiovascu-

Preoperative Medication: 10 mg, IM (preferred route), before surgery. tension. (If atropine, scopolamine or other premedications desired, they must be administered in separate

Cardioversion: To relieve 5 mg to 15 mg, IV, within arodety and tension and to reduce recall of procedure.

Once the acute symptomatology has been property controlled with injectable Valium, the patient may be placed on oral therapy with Valium if further treatment is required.

Measgement of Overlossee:
Meaniestations of Vallem overdossee include sammolence, confusion, some and diministrations. Respiration, pulse and blood pressure should be monitored, as in all cases of time overdossee, sidnough, in general, these effects have been minimal. General supportive measures should be employed, along with intravenous fields, and an adequate airway maintained. Hypotensise may be combatted by the use of Levephed* (levarterens) or Aramine (metaraminol). Dishysts is of limited value.

tension may be combated by the use of Levephor® (leverterens) or Aramine (motoraminol). Disposit is of inside value.

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HOW SUPPLED: Amputs, 2 mL, boses of 10; Viels, 10 mL, boses of 1, Tel-E-Ject® (disposable syringes), 2 mL, boses of 10.

ANOMAL PHARMACOLOGY: Oral LD_{50} of diazeparm is 720 mg/kg in mice and 1240 mg/kg in rats. Intrapertioneal administration of 400 mg/kg to a monkey resulted in death on the south day.

resulted in death on the sixth day.

Reproduction Studies: A series of rat reproduction studies was performed with diazepam in oral doses of 1, 10, 80 and 100 mg/kg given for periods ranging from 60 to 228 days prior to mating. At 100 mg/kg there was a decrease in the number of programates and surviving offspring in these rats. These effects may be attributable to protonged sedative activity, resulting in lack of interest in mating and lessened maternal nursing and care of the young. Neonatal survival of rats at doses lower than 100 mg/kg was writtin normal limits. Several neonates, both controls and experimentals, in these rat reproduction studies stopped stellar or other deficience deplication and separation studies and experimentals. In these rat reproduction studies stopped stellar or other deficience deplication deplication of the studies of th

ROCHE

Manufactured by HOFFMANN-LA ROCHE INC. Nutley, New Jersey 07110-1199

Distributed by ROCHE PRODUCTS INC. Manati, Puerto Rico 00674

13-06-78962-0693

Revised: June 1993 Printed in U.S.A.

APPLICATION NUMBER: 13-263/S-072/S-075

FINAL PRINTED LABELING



A.H.F.S. Category 28:16.08



ΔI II IM®

brand of diazepam

TABLETS

DESCRIPTION: Valium (diazepam) is a benzodiazepine derivative developed through original Roche research. Chemically, diazepam is 7-chloro-1,3-dihydro-1-methyl-5-phenyl-2H-1,4-benzodiazepin-2-one. It is a colorless crystalline compound, insoluble in water and has a molecular weight of 284.74. Its structural formula is as follows:

Valium 5-mg tablets contain FD&C Yellow No. 6 and D&C Yellow No. 10 dyes. Valium 10-mg tablets contain FD&C Blue No. 1 dye. Valium 2-mg tablets contain no dye.

PHARMACOLOGY: In animals, Valium appears to act on parts of the limbic system, the thalamus and hypothalamus, and induces calming effects. Valium, unlike chlorpromazine and reserpine, has no demonstrable peripheral autonomic blocking action, nor does it produce extrapyramidal side effects; however, animals treated with Valium do have a transient ataxia at higher doses. Valium was found to have transient cardiovascular depressor effects in dogs. Long-term experiments in rats revealed no disturbances of endocrine function.

Oral LD $_{50}$ of diazepam is 720 mg/kg in mice and 1240 mg/kg in rats. Intrapertoneal administration of 400 mg/kg to a monkey resulted in death on the sixth day.

Reproduction Studies: A series of rat reproduction studies was performed with diazepam in oral doses of 1, 10, 80 and 100 mg/kg. At 100 mg/kg there was a decrease in the number of pregnancies and surviving offspring in these rats. Neonatal survival of rats at doses lower than 100 mg/kg was within normal limits. Several neonates in these rat reproduction studies showed skeletal or other defects. Further studies in rats at doses up to and including 80 mg/kg/day did not reveal teratological effects on the offspring.

In humans, measurable bleed levels of Yalium were out to the state of the drug.

INDICATIONS: Valium is indicated for the management of anxiety disorders or for the short-term relief of the symptoms of anxiety. Anxiety or tension associated with the stress of everyday life usually does not require treatment with an anxiolytic.

In acute alcohol withdrawal, Valium may be useful in the symptomatic relief of acute agitation, tremor, impending or acute delirium tremens and hallucinosis.

Valium is a useful adjunct for the relief of skeletal muscle spasm due to reflex spasm to local pathology (such as inflammation of the muscles or joints, or secondary to trauma); spasticity caused by upper motor neuron disorders (such as cerebral palsy and paraplegia); athetosis; and stiff-man syndrome.

Oral Valium may be used adjunctively in convulsive disorders, although it has not proved useful as the sole therapy.

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VALIUM® (diazepam)

The effectiveness of Valium in long-term use, that is, more than 4 months, has not been assessed by systematic clinical studies. The physician should periodically reassess the usefulness of the drug for the individual patient.

CONTRAINDICATIONS: Valium is contraindicated in patients with a known hypersensitivity to this drug and, because of lack of sufficient clinical experience, in children under 6 months of age. It may be used in patients with open angle glaucoma who are receiving appropriate therapy, but is contraindicated in acute narrow angle glaucoma.

WARNINGS: Valium is not of value in the treatment of psychotic patients and should not be employed in lieu of appropriate treatment. As is true of most preparations containing CNS-acting drugs, patients receiving Valium should be cautioned against engaging in hazardous occupations requiring complete mental alertness such as operating machinery or driving a motor vehicle.

As with other agents which have anticonvulsant activity, when Valium is used as an adjunct in treating convulsive disorders, the possibility of an increase in the frequency and/or severity of grand mal seizures may require an increase in the dosage of standard anticonvulsant medication. Abrupt withdrawal of Valium in such cases may also be associated with a temporary increase in the frequency and/or severity of seizures.

Since Valium has a central nervous system depressant effect, patients should be advised against the simultaneous ingestion of alcohol and other CNS-depressant drugs during Valium therapy.

Usage in Pregnancy: An Increased risk of congenital malformations associated with the use of minor tranquilizers (diazepam, meprobamate and chlordiazepoxide) during the first trimester of pregnancy has been suggested in several studies. Because use of these drugs is rarely a matter of urgency, their use during this period should almost always be avoided. The possibility that a woman of childbearing potential may be pregnant at the time of institution of therapy should be considered. Patients should be advised that if they become pregnant during therapy or intend to become pregnant they should communicate with their physicians about the desirability of discontinuing the drug.

Management of Overdosage: Manifestations of Valium overdosage include somnolence, confusion, coma and diminished reflexes. Respiration, pulse and blood pressure should be monitored, as in all cases of drug overdosage, although, in general, these effects have been minimal following overdosage. General supportive measures should be employed, along with immediate gastric lavage. Intravenous fluids should be administered and an adequate airway maintained. Hypotension may be combated by the use of Levophed® (levarterenol) or Aramine (metaraminol). Dialysis is of limited value. As with the management of intentional overdosage with any drug, it should be borne in mind that multiple agents may have been ingested.

Firmazenil, a specific benzodiazepine-receptor antagonist, standarded for the content of the secondard for the content of the secondard for the secondard fo

Withdrawal symptoms of the barbiturate type have occurred after the discontinuation of benzodiazepines. (See DRUG ABUSE AND DEPENDENCE section.)

PRECAUTIONS: If Valium is to be combined with other



VALIUM* (diazepam)



89500693

VALIUM® (diazepam)

psychotropic agents or anticonvulsant drugs, careful consideration should be given to the pharmacology of the agents to be employed—particularly with known compounds which may potentiate the action of Valium, such as phenothiazines, narcotics, barbiturates, MAO inhibitors and other antidepressants. The usual precautions are indicated for severely depressed patients or those in whom there is any evidence of latent depression; particularly the recognition that suicidal tendencies may be present and protective measures may be necessary. The usual precautions in treating patients with impaired renal or hepatic function should be observed.

In elderly and debilitated patients, it is recommended that the dosage be limited to the smallest effective amount to preclude the development of ataxia or oversedation (2 mg to 2½ mg once or twice daily, initially, to be increased grad-ually as needed and tolerated).

The clearance of Valium and certain other benzodiazenines can be delayed in association with Tagamet (cirrietidine) administration. The clinical significance of this

Information for Patients: To assure the safe and effective use of benzodiazepines, patients should be informed that, use in benzodiazepines, patents should be informed that, since benzodiazepines may produce psychological and physical dependence, it is advisable that they consult with their physician before either increasing the dose or abruptly dispontinuing this drug.

ADVERSE REACTIONS: Side effects most commonly reported were drowsiness, fatigue and ataxia. Infrequently encountered were confusion, constipation, depression, diplopia, dysarthria, headache, hypotension, incontinence, jaunetice, changes in libido, nausea, changes in salivation, skinj rash, sturred speech, tremor, urinary retention, vertigo and blurred vision. Paradoxical reactions such as acute hyperexcited states, arxiety, hallucinations, increased muscle spasticity, insomnia, rage, sleep disturbances and stimulation have been reported; should these occur, use of the drugistioud be discontinued.

Because of isolated reports of neutropenia and jaundice, periodic blood counts and liver function tests are advisable during long-term therapy. Minor changes in EEG patterns, usually low-voltage fast activity, have been observed in patients during and after Valium therapy and are of no known significance.

DRUG ABUSE AND DEPENDENCE: Withdrawal sympbridg ABUSE AND DEPENDENCE: Withdrawal symptoms, similar in character to those noted with barbiturates and alcohol (convulsions, tremor, abdominal and muscle cramps, vomiting and sweating), have occurred following about discontinuance of diazepam. The more severe withaddight discontinuation to dezepant. The more severe with-drawal symptoms have usually been limited to those patients who had received excessive doses over an extend-ed period of time. Generally milder withdrawal symptoms (eg. bysphoria and insomnia) have been reported following abrupt discontinuance of benzodiazepines taken continuously at therapeutic levels for several months. Consequently, after extended therapy, abrupt discontinuation should generally be avoided and a gradual dosage tapering schedule followed. Addiction-prone individuals (such as

veillance when receiving diazepam or other psychotropic agents because of the predisposition of such patients to habituation and dependence.

DOSAGE AND ADMINISTRATION: Dosage should be individualized for maximum beneficial effect. While the usual daily dosages given below will meet the needs of most patients, there will be some who may require higher doses. In such cases dosage should be increased cautiously to avoid adverse effects.

ADULTS:

Management of Anxiety Disorders and Relief of Symptoms of Anxiety.

nptomatic Relief in Acute Alcohol Withdrawal.

Adjunctively for Relief of Skeletal Muscle Spasm.

USUAL DAILY DOSE

Depending upon severity of symptoms—2 mg to 10 mg, 2 to 4 times daily

10 mg, 3 or 4 times during the first 24 hours, reducing to 5 mg, 3 or 4 times daily

2 mg to 10 mg, 3 or 4 times daily

VALIUM* (diazepam)

Adjunctively in Convulsive

Geriatric Patients, or in the presence of debilitating dis2 mg to 10 mg, 2 to 4 times

2 mg to 21/2 mg, 1 or 2 times daily initially; in-crease gradually as need-ed and tolerated

CHILDREN:

Because of varied responses to CNS-acting drugs, initiate therapy with lowest dose and increase as required. Not for use in children under 6 months.

1 mg to 21/2 mg, 3 or 4 times daily initially; increase gradually as needed and tolerated

HOW SUPPLIED: For oral administration, round, scored tablets with a cut out "V" design—2 mg, white; 5 mg, yellow; 10 mg, blue—bottles of 100 and 500. Tel-E-Dose® packages of 100, available in boxes of 4 reverse-numbered cards of 25, and in boxes containing 10 strips of 10.

Imprint on tablets: 2 mg—2 VALIUM® (front) ROCHE (scored side)

-5 VALIUM® (front) ROCHE (scored side)

10 mg—10 VALIUM® (front) ROCHE (scored side)











Roche Products Inc. Manati, Puerto Rico 00674

13-06-78950-0693 13-20-78950-0693

Revised June 1993 Printed in U.S.A.

APPLICATION NUMBER: 13-263/S-072/S-075

16-087/S-079/S-081

ADMINISTRATIVE DOCUMENTS

REGULATORY PROJECT MANAGER LABELING REVIEW

Date:

January 24, 2002

DRUG/NDA: Valium (diazepam) Tablets (NDA 13-263)

and Valium (diazepam) Injection (NDA 16-087)

Sponsor:

Roche Pharmaceuticals

Indications:

Generalized Anxiety Disorder/Acute Alcohol Withdrawal/Relief of Skeletal Muscle Spasm associated with local pathology, Cerebral Palsy, Athetosis, Stiffman Syndrome, Tetanus /Adjunctive Therapy in Convulsive Disorders/Adjunct in

Endoscopic Procedures/Premedication in Patients Undergoing Surgical

Procedures or Cardioversion

Supplements:

<u>NDA</u>	Supplement	Dated	Action
	Valium	(diazepam) Tablets (NDA	A 13-263)
13-263	SLR-067/ SCS-068	10-31-83	AP Letter dated 1-13-84
13-263	SLR-072	3-2-88	Open
13-263	SLR-075	1-18-94	Open
13-203			
	Valium	(diazepam) Injection (ND	
16-087		(diazepam) Injection (ND	on AP Letter Dated 8-5-82
	Valium	(diazepam) Injection (ND 3-17-82, and amended 7-22-82	

Notes of interest:

- 1. The labeling for both Valium (diazepam) Tablets (NDA 13-263) and Valium (diazepam) Injection (NDA 16-087) are separate and not combined formulation labeling. Although, as may be expected, many sections are identical. Therefore, this labeling review encompasses both product formulations. Additionally, all labeling revisions, which are open, for both the Valium Tablets and Injection are identical since these were all safety related revisions.
- 2. Although the open labeling supplements for both the tablet and injection parallel one another in terms of content, there is a labeling supplement submitted to the injection application, The corresponding supplement

was administratively closed in an acknowledge and retain action on 7-13-84. The 7-13-84 Agency letter was a stay letter since these supplements provided for content and format labeling revisions. This labeling review will not encompass a review of the proposed content and format labeling revisions submitted to

Although, it will recommend regulatory action in regard to this open supplement (see Conclusions).

3. I was unable to find many of the older, open labeling supplement submissions since these have transcended numerous reviewing medical officers and Project Managers throughout the years. I had, therefore, requested and received from Roche copies of these open labeling supplements.

REVIEW

13-263/SLR-072 Label Code No: 13-20-78980-0288 16-087/SLR-079 Label Code No: 13-06-78965-0282

Date: 10-2-87, and amended on 3-2-88

CBE: Yes

Reviewed by Medical Officer and Chemist: No reviews on file

These supplements provide for the following revisions:

- 1. The replacement of the subsection entitled Physical and Psychological Dependence with a Drug Abuse and Dependence subsection under the WARNINGS section.
- 2. The addition of a section under the WARNINGS section referring the prescriber to the to the Drug Abuse and Dependence section.
- 3. The addition of a subsection entitled **Information for Patients** under the **PRECAUTIONS** section
- 4. The addition of the dye contents to the Valium tablet prescriber labeling under the **DESCRIPTION** section in accordance with a Federal Register Notice dated June 8, 1987.
- 5. The deletion of the Valium injection 10 ml vials packaged in configurations of 10 vials to the Valium injection prescriber labeling under the HOW SUPPLIED section.

Notes of Interest:

- 1. The 10-2-87 submission was only coded as a supplement to the injection NDA. However, the 3-2-88 submission was coded to both the tablet and the injection applications, i.e., as an original supplement to the tablet and as an amendment to the injection application.
- 2. The labeling revisions were requested by the Agency in a letter dated 7-6-87. The Agency subsequently issued an AE action on the injection application, solely, in a letter dated 1-5-88. Roche agreed to the changes requested in the 1-5-88 letter, verbatim, and submitted these changes as CBE. Although the 1-5-88 Agency letter was coded as an AE action, the letter states that the draft labeling submitted on 10-2-87 is approved and requests 12 copies of FPL.

13-263/SLR-075 Label Code No: 13-06-78950-0693 16-087/SLR-081 Label Code No: 13-06-78962-0693

Date: 1-18-94 **CBE:** Yes

Reviewed by Medical Officer: No review on file

These supplements provide for revisions to the MANAGEMENT of OVERDOSAGE section regarding the use of flumazenil for the complete or partial reversal of the sedative effects due to suspected benzodiazepine overdose. **Notes of Interest:** These revisions were requested in an Agency letter dated 1-28-93.

	DA 13-263/S-072/S-075/5 DA 16-087. — S-079/S-081, ————————————————————————————————————	Page 4		
NΙ	DA 10-087. — 3-07973-0817 ————			
مسئيه				
		_		
		'n		
	In regard to the open supplement, recommend that this be admi	nistrativaly		
	closed similar to the action taken for the tablet application T	he 7-13-84		
•	I was informed by Roche that they are no longer marketing the Valium Injection confirmed when I reviewed their last annual report dated August 17, 2001.	. This was		
•	The four open labeling supplements submitted under CBE, 13-263/SLR-072/SLR-075 & 16-087/SLR-079/SLR-081, were in response to Agency letters requesting revisions to the labeling. These revisions were submitted verbatim as requested in these letters. If the medical officer and team leader concur, I recommend that an approval letter issue for these CBE supplements. Even though Valium injection is no longer marketed, I recommend that an approval letter issue for these supplemental applications since the labeling will be used as a base for generic products.			
	these supplements p	rovide for		
	extensive changes to the labeling. The sponsor intends to submit a withdrawal let			
٠	Once this is received, a formal acknowledgement of letter should issue.	williawal		

Prior to taking an action on these supplements, they will need to be reviewed by the medical officer, chemistry reviewer, pharmacology reviewer, and the Office of Clinical Pharmacology and Biopharmaceutics (OCPB) to ensure that all of the changes are appropriate. I will obtain desk copies of these submissions and consult the supplements.

Paul David, R.Ph., Regulatory Project Manager

Robbin Nighswander, R.Ph., Supervisory Regulatory Health Officer

This is a representation of an electronic record that was signed electronically and this page is the manifestation of the electronic signature.

/s/

Paul David 1/30/02 11:39:03 AM

Robbin Nighswander 1/30/02 01:44:39 PM CSO