HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use bupropion hydrochloride extended-release tablets (SR) safely and effectively. See full prescribing information for bupropion hydrochloride extended-release tablets (SR).

WARNING: SUICIDAL THOUGHTS AND BEHAVIORS

WARNING: Suicible Linducarts And Bernaviors

See full prescribing information for complete boxed warning.

Increased risk of suicidal thinking and behavior in children, adolescents, and young adults taking antidepressants (5.1)

Monitor for worsening and emergence of suicidal thoughts and behaviors. (5.1)

-----RECENT MAJOR CHANGES -----05/2017

-----CONTRAINDICATIONS-

• Known hypersensitivity to bupropion or other ingredients of bupropion hydrochloride extended-release

Neuropsychiatric adverse events: Postmarketing reports of serious or clinicallysignificant neuropsychiatric adverse events have included changes in mood (including depression and mania), psychosis, hallucinations, paranoia, delusions, homicidal ideation, aggression, hostility, agitation,

anxiety, and panic, as well as suicidal ideation, suicide attempt, and completed suicide. Observe patients attempting to quit smoking with Bupropion hydrochloride extended-release tablets, USP (SR) for the occurrence of such symptoms and instruct them to discontinue Bupropion hydrochloride extended-release tablets, USP (SR) and contact a healthcare provider if they experience such adverse

verils. (3.2) Seizure risk: The risk is dose-related. Can minimize risk by gradually increasing the dose and limiting daily dose to 300 mg. Discontinue if seizure occurs. (4, 5.3, 7.3)

• Hypertension: Bupropion hydrochloride extended-release tablets (SR) can increase blood pressure Monitor blood pressure before initiating treatment and periodically during treatment, especially if use

with nicotine replacement. (5.4) Activation of mania/hypomania: Screen patients for bipolar disorder and monitor for these symptoms

.c) Psychosis and other neuropsychiatric reactions. Instruct patients to contact a healthcare professional

for report SUSPECTED ADVERSE REACT IDINS, contact Dr. Reddy's Laboratories Inc., at 1-888-375-3784 or FDA at 1-800-7DA-1088 or www.fda.gov/medwatch.

• CYP286 inducers: Dose increase may be necessary if coadministered with CYP286 inducers (e.g., ritonawir, lopinavir, efavirenz, carbamazepine, phenobarbital and phenytoin) based on clinical response, but should not exceed the maximum recommended dose. (7.1)

• Drugs metabolized by CYP206: Bupropion inhibits CYP206 and can increase concentrations of:

antidepressants (e.g., venlafaxine, nortriptyline, imipramine, desipramine, paroxetine, fluoxetine, sertraline), antipsychotics (e.g., haloperidol, risperidone, thioridazine), beta-blockers (e.g., metoprolol), and Type 1C antiarrhythmics (e.g., propafenone, flecainide). Consider dose reduction when using with

bupropion. (7.2)

• Digoxin: May decrease plasma digoxin levels. Monitor digoxin levels. (7.2) • Drugs that lower seizure threshold: Dose bupropion hydrochloride extended-release tablets (SR) with caution. (5.3, 7.3)

Dopaminergic drugs (levodopa and amantadine): CNS toxicity can occur when used concomitantly Dopallinlergic crubs (levotoga and animatinatine): Chis oxicity can occur when used concomitantly with burpropion hydrochloride extended-release tablets (SR), (7.4)
 MAOIs: Increased risk of hypertensive reactions can occur when used concomitantly with burpropion hydrochloride extended-release tablets (SR), (7.6)
 Drug-laboratory test interactions: Burpropion hydrochloride extended-release tablets (SR) can cause false-positive urine test results for amphetamines. (7.8)

Strig-faulting test interactions, Deproprint Type of the false-positive urine test results for amphetamines, (7.8)

 - USE IN SPECIFIC POPULATIONS

 Pregnancy: Use only if benefit outweighs potential risk to the fetus. (8.1)

See 17 for PATIENT COUNSELING INFORMATION and Medication Guide.

Issued: 06/2019

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2.3 Individualization of Therapy
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FULL PRESCRIBING INFORMATION

2 DOSAGE AND ADMINISTRATION

least 8 hours between each dose

SUICIDALITY AND ANTIDEPRESSANT DRUGS

6.2 Postmarketing Experience

DRUG INTERACTIONS
7.1 Potential for Other Drugs to Affect Bupropion Hydrochloride Extended-Release Tablets (SR)

Although bupropion hydrochloride extended-release tablets (SR) is not indicated fo treatment of depression, it contains the same active ingredient as the antidepressan medications WELLBUTRIN®, WELLBUTRIN® SR, and WELLBUTRIN XL®. Antidepressants

increased the risk of suicidal thoughts and behavior in children, adolescents, and young adults in short-term trials. These trials did not show an increase in the risk of suicidal thoughts and behavior with antidepressant use in subjects over age 24; there was a reduction in risk with antidepressant use in subjects aged 65 and older [see Warnings

In patients of all ages who are started on antidepressant therapy, monitor closely for worsening, and for emergence of suicidal thoughts and behaviors. Advise families and caregivers of the need for close observation and communication with the prescriber [see Warnings and Precautions (5.1)].

Bupropion hydrochloride extended-release tablets, USP (SR) are indicated as an aid to smoking

2.1 Usual Dosage
Treatment with bupropion hydrochloride extended-release tablets (SR) should be initiated before the patient's planned quit day, while the patient is still smoking, because it takes approximately 1 week of treatment to achieve steady-state blood levels of bupropion. The patient should set a "target quit date" within the first 2 weeks of treatment with bupropion hydrochloride extended-release tablets (SR).

Begin dosing with one 150-mg tablet per day for 3 days.
Increase dose to 300 mg per day given as one 150-mg tablet twice each day with an interval of at

Do not exceed 300 mg per day.

Bupropion hydrochloride extended-release tablets (SR) should be swallowed whole and not crushed, divided, or chewed, as this may lead to an increased risk of adverse effects including seizures [see

Bupropion hydrochloride extended-release tablets (SR) may be taken with or without food [see Clinical

2.2 Duration of Treatment
Treatment with bupropion hydrochloride extended-release tablets (SR) should be continued for 7 to 12
weeks. If the patient has not quit smoking after 7 to 12 weeks, it is unlikely that he or she will quit during
that attempt so treatment with bupropion hydrochloride extended-release tablets (SR) should probably
be discontinued and the treatment plan reassessed. The goal of therapy with bupropion hydrochloride
extended-release tablets (SR) is complete abstinence.

Discuss discontinuing stylengt with hydrochloride, outpanded release tablets (SR) offer 12

extended-release tablets (SR) is complete abstinence.

Discuss discontinuing treatment with bupropion hydrochloride extended-release tablets (SR) after 12 weeks if the patient feels ready but consider whether the patient may benefit from ongoing treatment. Patients who successfully quit after 12 weeks of treatment but do not feel ready to discontinue

treatment should be considered for ongoing therapy with bupropion hydrochloride extended-release tablets (SR); longer treatment should be guided by the relative benefits and risks for individual patients

It is important that patients continue to receive counseling and support throughout treatment with bupropion hydrochloride extended-release tablets (SR) and for a period of time thereafter. 2.3 Individualization of Therapy Patients are more likely to quit smoking and remain abstinent if they are seen frequently and receive

support from their physicians or other healthcare professionals. It is important to ensure that patients read the instructions provided to them and have their questions answered. Physicians should review the patient's overall smoking cessation program that includes treatment with burpopion hydrochloride extended-release tablets (SR). Patients should be advised of the importance of participating in the

behavioral interventions, counseling, and/or support services to be used in conjunction with bupropion hydrochloride extended-release tablets (SR) [see Medication Guide]. Patients who fail to quit smoking during an attempt may benefit from interventions to improve their chances for success on subsequent attempts. Patients who are unsuccessful should be evaluated to determine why they failed. A new quit attempt should be encouraged when factors that contributed to failure are the allegated as the property of the property

2.4 Maintenance
Tobacco dependence is a chronic condition. Some patients may need on-going treatment. Whether to continue treatment with bupropion hydrochloride extended-release tablets (SR) for periods longer than 12 weeks for smoking cessation must be determined for individual patients.

2.5 Combination Treatment with Bupropion Hydrochloride Extended-Release Tablets (SR) and a

Nicotine Transdermal System (NTS)
Combination treatment with bupropion hydrochloride extended-release tablets (SR) and NTS may be prescribed for smoking cessation. The prescriber should review the complete prescribing information for both bupropion hydrochloride extended-release tablets (SR) and NTS before using combination reatment [see Clinical Studies (14)]. Monitoring for treatment-emergent hypertension in patients treated with the combination of bupropion hydrochloride extended-release tablets (SR) and NTS is

2.6 Dose Adjustment in Patients with Hepatic Impairment In patients with moderate to severe hepatic impairment (Child-Pugh score: 7 to 15), the maximum dose should not exceed 150 mg every other day. In patients with mild hepatic impairment (Child-Pugh score: 5 to 6), consider reducing the dose and/or frequency of dosing [see Use in Specific Populations (8.7), Child of Department (Child-Pugh score: 5 to 6), consider reducing the dose and/or frequency of dosing [see Use in Specific Populations (8.7),

Consider reducting the dose and/or frequency of bupropion hydrochloride extended-release tablets (SR) in patients with renal impairment (Glomerular Filtration Rate less than 90 mL per min) [see Use in Specific Populations (8.6). Clinical Pharmacology (12.3]].

2.8 Use of Bupropion Hydrochloride Extended-Release Tablets (SR) with Reversible MAOIs Such as Lieuchida or Butterland Reversible MAOIs Such as

2.6 Use of bupping in your continue extenses requires (Sn) win reversible who is such as the continue to the continue and the continue to the

tablets (SR) may require urgent treatment with linezolid or intravenous methylene blue. If acceptable alternatives to linezolid or intravenous methylene blue treatment are not available and the potential

hypertensive reactions in a particular patient, bupropion hydrochloride extended-release tablets (SR)

should be stopped promptly, and linezolid or intravenous methylene blue can be administered. The patient should be monitored for 2 weeks or until 24 hours after the last dose of linezolid or intravenous

methylene blue, whichever comes first. Therapy with bupropion hydrochloride extended-release table (SR) may be resumed 24 hours after the last dose of linezolid or intravenous methylene blue. ton) may be resumed 24 nours arter the last dose of inezolid or intravenous methylene blue. The risk of administering methylene blue by non-intravenous routes (such as oral tablets or by local injection) or in intravenous doses much lower than 1 mg per kg with bupropion hydrochloride extended-release tablets (SR) is unclear. The clinician should, nevertheless, be aware of the possibility of a drug interaction with such use *See Contraindications* (4), *Drug Interactions* (7.6)].

3 DOSAGE FORMS AND STRENGTHS

Jusage Furing and Strengths O mg - purple, round, biconvex, film coated tablets, debossed with 'SG, 338' on one side and plain

Bupropion hydrochloride extended-release tablets (SR) are contraindicated in patients with a seizure

Bupropion hydrochloride extended-release tablets (SR) are contraindicated in patients with a current

or prior diagnosis of bulimia or anorexia nervosa as a higher incidence of seizures was observed in such patients treated with the immediate-release formulation of bupropion [see Warnings and Precautions

benefits of linezolid or intravenous methylene blue treatment are judged to outweigh the risks

failure can be eliminated or reduced, and conditions are more favorable

2.7 Dose Adjustment in Patients with Renal Impairment

on other side. 4 CONTRAINDICATIONS

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Sections or subsections omitted from the full prescribing information are not listed.

The neuropsychiatric safety of Bupropion hydrochloride extended-release tablets (SR) was evaluated in

The neuropsychiatric sarety of supropion hydrochloride extended-release tablets (SH) was evaluated in a randomized, double-blind, active-and placebo-controlled study that included patients without a history of psychiatric disorder (nonpsychiatric cohort, n=3,912) and patients with a history of psychiatric disorder (psychiatric cohort, n=3,912) and patients with a history of psychiatric disorder (psychiatric cohort, n=3,912) and patients with a history of psychiatric disorder (spychiatric cohort, n=3,912) and patients with a history of psychiatric extended-release tablets (SR) was not associated with an increase composite of the following neuropsychiatric (NPS) adverse events: severe events of anxiety, depression, feeling abnormal, or neuropsychiatric (NFS) adverse events: severe events or anxiety, depression, teeling abnormal, or hostility, and moderate or severe events of aglitation, aggression, delusions, hallucinations, homicidal ideation, mania, panic, and irritability. In the psychiatric cohort, there were more events reported in each treatment group compared with the non-psychiatric cohort and the incidence of events in the composite endopoint was higher for Burpropion hydrochloride extended-release tablets (SR) compared with placebo: Risk Difference (95% CI) vs. placebo was 2.2% (-0.5, 4.9) for Burpropion hydrochloride

the non-psychiatric cohort, neuropsychiatric adverse events of a serious nature were reported in In the non-psychiatric conort, neuropsychiatric adverse events of a serious nature were reported in 0.5% of patients treated with Bupropion hydrochoride extended-release tablets (SR) and 0.4% of placebo-treated patients. In the psychiatric cohort, neuropsychiatric events of a serious nature were reported in 0.8% of patients treated with Bupropion hydrochloride extended-release tablets (SR), all involving psychiatric hospitalization. In placebo-treated patients, serious neuropsychiatric events occurred in 0.6%, with 0.2% requiring psychiatric hospitalization [see Clinical Studies (14)].

5.3 Seizure

Bupropion hydrochloride extended-release tablets (SR) can cause seizure. The risk of seizure is doserelated. The dose of bupropion hydrochloride extended-release tablets (SR) should not exceed 300 mg
per day [see Dosage and Administration (2.1)]. Discontinue bupropion hydrochloride extended-release
tablets (SR) and do not restart treatment if the patient experiences a seizure.

The risk of seizures is also related to patient factors, clinical situations, and concomitant medications
that lower the seizure threshold. Consider these risks before initiating treatment with bupropion
hydrochloride extended-release tablets (SR). Bupropion hydrochloride extended-release tablets
(SR) is contraindicated in patients with a seizure disorder, current or prior diagnosis of anorexia
nervosa or bulimia, or undergoing abrupt discontinuation of alcohol, benzodiazepines, barbiturates,
and antiepileptic drugs [see Contraindications (4), Drug Interactions (7.3)]. The following conditions
can also increase the risk of seizure: severe head injury; arteriovenous malformation; CNS tumor or
CNS infection; severe storke; concomitant use of other medications that lower the seizure threshold
(e.g., other bupropion products, antipsychotics, tricyclic antidepressants, theophylline, and systemic
corticosteroids), metabolic disorders (e.g., hypolycemia, hyponatremia, severe hepatic impairment,
and hypoxály, use of illicit drugs (e.g., cocaine), or abuse or misuse of prescription drugs such as CNS
stimulants. Additional predisposing conditions include diabetes mellitus treated with oral hypoglycemic
drugs or insulin; use of anorectic drugs; and excessive use of alcohol, benzodiazepines, sedative/
hypontics, or opiates.

infinitions, or operates. Incidence of Seizure with Bupropion Use Doses for smoking cessation should not exceed 300 mg per day. The seizure rate associated with doses

Doses for Shocking desaduris found into exceed 300 mg per day is approximately 0.1% (1/1,000) and increases to approximately 0.4% (4/1,000) at doses up to 400 mg per day is approximately 0.1% (1/1,000) at doses up to 400 mg per day. The risk of seizure can be reduced if the dose of bupropion hydrochloride extended-release tablets (SR) for smoking cessation does not exceed 300 mg per day, given as 150 mg twice daily, and titration até is gradual. 5.4 Hypertension ment with bupropion hydrochloride extended-release tablets (SR) can result in elevated

blood pressure and hypertension. Assess blood pressure before initiating treatment with bupropion hydrochloride extended-release tablets (SR), and monitor periodically during treatment. The risk of hypertension is increased if bupropion hydrochloride extended-release tablets (SR) are used concomitantly with MAOIs or other drugs that increase dopaminergic or noradrenergic activity [see Containations (All). Contraindications (4)]. Data from a comparative trial of bupropion hydrochloride extended-release tablets (SR), NTS, the

Data from a comparative trial of bupropion hydrochloride extended-release tablets (SR) NTS, the combination of bupropion hydrochloride extended-release tablets (SR) plus NTS, and placebo as an aid to smoking cessation suggest a higher incidence of treatment-emergent hypertension in patients treated with the combination of bupropion hydrochloride extended-release tablets (SR) and NTS. In this trial, 6.1% of subjects treated with the combination of bupropion hydrochloride extended-release tablets (SR) and NTS had treatment-emergent hypertension compared to 2.5%, 1.6%, and 3.1% of subjects treated with bupropion hydrochloride extended-release tablets (SR). NTS, and placebo, respectively. The majority of these subjects had evidence of pre-existing hypertension. Three subjects (1.2%) treated with the combination of bupropion hydrochloride extended-release tablets (SR) and NTS and 1 subject (0.4%) treated with NTS had study medication discontinued due to hypertension compared with none of the subjects treated with bupropion hydrochloride extended-release tablets (SR) or placebo. Monitoring of blood pressure is recommended in patients who receive the combination of bupropion and nicotine replacement. In a clinical trial of bupropion immediate-release in MDD subjects with stable congestive heart failure

(N = 36), bupropion was associated with an exacerbation of pre-existing hypertension in 2 subjects, leading to discontinuation of bupropion treatment. There are no controlled trials assessing the safety of bupropion in patients with a recent history of myocardial infarction or unstable cardiac disease. 5.5 Activation of Mania/Hypomania

5.5 Activation of Mania/Hypomania
Antidepressant treatment can precipitate a manic, mixed, or hypomanic episode. The risk appears to be increased in patients with bipolar disorder or who have risk factors for bipolar disorder. There were no reports of activation of psychosis or mania in premarketing clinical trials with bupropion hydrochloride extended-release tablets (SR) conducted in nondepressed smokers. However, events of this nature were seen in patients with pre-existing psychiatric diagnoses in a smoking cessation trial [see Warnings and

seen in patients with pre-existing psychiatric diagnoses in a smoking cessation trial *[see warnings and Precautions (5.2]*). Burpoion is not approved for use in treating bipolar depression.

5.6 Psychosis and Other Neuropsychiatric Reactions
Depressed patients treated with bupropion in depression trials have had a variety of neuropsychiatric signs and symptoms, including delusions, hallucinations, psychosis, concentration disturbance, paranola, and confusion. Some of these patients had a diagnosis of bipolar disorder. In some cases, these symptoms abated upon dose reduction and/or withdrawal of treatment. Instruct patients to ontact a healthcare professional if such reactions occur. In premarketing clinical trials with bupropion hydrochloride extended-release tablets (SR) conducted in nondepressed smokers, the incidence of neuropsychiatric side effects was generally comparable to placebo. However, in the postmarketing experience, patients taking bupropion hydrochloride extended-release tablets (SR) to quit smoking have reported similar types of neuropsychiatric symptoms to those reported by patients in the clinical trials of bupropion for depression. *Isee Warnings and Precautions*

5.7 Angle-closure Glaucoma The pupillary dilation that occurs following use of many antidepressant drugs including bupropion may trigger an angle-closure attack in a patient with anatomically narrow angles who does not have

5.8 Hypersensitivity Reactions Anaphylactoid/anaphylactic reactions have occurred during clinical trials with bupropion. Reactions Anaphylactoid/anaphylactic reactions have occurred during clinical trials with bupropion. Reactions have been characterized by pruritus, urticaria, angioedema, and dyspnea requiring medical treatment. In addition, there have been rare, spontaneous postmarketing reports of erythema multiforme, Stevens-Johnson syndrome, and anaphylactic shock associated with bupropion. Instruct patients to discontinue bupropion hydrochloride extended-release tablets (SR) and consult a healthcare provider if they develop an allergic or anaphylactoid/anaphylactic reaction (e.g., skin rash, pruritus, hives, chest pain, edema, and shortness of breath) during treatment.

There are reports of arthralgia, myagia, fever with rash and other serum sickness-like symptoms suggestive of delayed hypersensitivity.

6 ADVERSE REACTIONS

The following adverse reactions are discussed in greater detail in other sections of the labeling:

Suicidal thoughts and behaviors in adolescents and young adults [see Boxed Warning, Warnings and Precautions (5.1)] • Neuropsychiatric adverse events and suicide risk in smoking cessation treatment *[see Warnings and*

Precautions (5.2)1 Seizure [see Warnings and Precautions (5.3)]

sesure (see warmings and rrecautions (5.3)]
 Hypertension (see Warnings and Precautions (5.4))
 Activation of mania or hypomania (see Warnings and Precautions (5.5)]
 Psychosis and other neuropsychiatric reactions (see Warnings and Precautions (5.6)]
 Angle-closure glaucoma (see Warnings and Precautions (5.7)]
 Hypersensitivity reactions (see Warnings and Precautions (5.8))
 Clinical Trials Experience

6.1 Clinical Trials Experience
Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed because clinical mais are conducted under where yaying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared with rates in the clinical trials of another drug and may not reflect the rates observed in clinical practice.

Adverse Reactions Leading to Discontinuation of Treatment

Adverse reactions were sufficiently troublesome to cause discontinuation of treatment in 8% of the 706

Adverse reactions were suniciently doublesoffe to cause discontinuation of readment in 5% of the 70 subjects treated with bupropion hydrochloride extended-release tablets (SR) and 5% of the 313 patiest treated with placebo. The more common events leading to discontinuation of treatment with bupropion hydrochloride extended-release tablets (SR) included nervous system disturbances (3.4%), primarily tremors, and skin disorders (2.4%), primarily rashes.

terinos, and skin disorders (2-4%), primarily rashes.

Commonly Observed Adverse Reactions

The most commonly observed adverse reactions consistently associated with the use of bupropion hydrochloride extended-release tablets (SR) were dry mouth and insomnia. The incidence of dry mouth and insomnia may be related to the dose of bupropion hydrochloride extended-release tablets (SR). The occurrence of these adverse reactions may be minimized by reducing the dose of bupropion. hydrochloride extended-release tablets (SR). In addition, insomnia may be minimized by avoiding pedtime doses.

Adverse reactions reported in the dose-response and comparator trials are presented in Table 2 and

Table 3, respectively. Reported adverse reactions were classified using a COSTART-based dictionary. Table 2. Adverse Reactions Reported by at Least 1% of Subjects and at a Greater Frequency than Placebo in the Dose-response Trial

Bupropion Hydrochloride

xtended-Release Tablets (SR) 100 to 300 mg/day

Placebo

(n = 150)

Adverse Reaction	(n = 461) %	(ii = 130) %
Body (General)		
Neck pain	2	<1
Allergic reaction	1	0
Cardiovascular		
Hot flashes	1	0
Hypertension	1	<1
Digestive		
Dry mouth	11	55
Increased appetite	2	<1
Anorexia	1	<1
Musculoskeletal		
Arthralgia	4	3
Myalgia	2	1
Nervous system		
Insomnia	31	21
Dizziness	8	7
Tremor	2	1
Somnolence	2	1
Thinking abnormality	1	0
Respiratory		
Bronchitis	2	0
Skin		
Pruritus	3	<1
Rash	3	<1
Dry skin	2	0
Urticaria	1	0
Special senses		
Taste perversion	2	<1

Bupropion

Adverse Experience (COSTART Term)	Hydrochloride Extended-Release Tablets (SR) 300 mg/day (n = 243) %	Transdermal System (NTS) 21 mg/day (n = 243) %	Hydrochloride Extended-Release Tablets (SR) and NTS (n = 244) %	Placebo (n = 159) %
Body				
Abdominal pain	3	4	1	1
Accidental injury	2	2	1	1
Chest pain	<1	1	3	1
Neck pain	2	1	<1	0
Facial edema	<1	0	1	0
Cardiovascular				
Hypertension	1	<1	2	0
Palpitations	2	0	1	0
Digestive				
Nausea	9	7	11	4
Dry mouth	10	4	9	4
Constipation	8	4	9	3
Diarrhea	4	4	3	1
Anorexia	3	1	5	1
Mouth ulcer	2	1	1	1
Thirst	<1	<1	2	0
Musculoskeletal				
Myalgia	4	3	5	3
Arthralgia	5	3	3	2
Nervous system	_			
Insomnia	40	28	45	18
Dream abnormality	5	18	13	3
Anxiety	8	6	9	6
Disturbed	0			
concentration	9	3	9	4
Dizziness	10	2	8	6
Nervousness	4	<1	2	2
Tremor	1	<1	2	0
Dysphoria	<1	1	2	1
Respiratory				
Rhinitis	12	11	9	8
Increased cough	3	5	<1	1
Pharyngitis	3	2	3	0
Sinusitis	2	2	2	1
Dyspnea	1	0	2	1
Epistaxis	2	1	1	0
Skin				
Application site	11	17	15	7
reaction ^a Rash	4	3	3	2
Pruritus	3	1	5	1
Urticaria	2	0	2	0
Special Senses				
Taste perversion	3	1	3	2
Tinnitus	1	0	<1	0
Subjects randomized eceived placebo patched dverse reactions in a ydrochloride extended-	to bupropion hydroc s. 1-year maintenance	chloride extended- trial and a 12-v	release tablets (SR) veek COPD trial with	or placebo

hydrochloride extended-release tablets (SR) were quantitatively and qualitatively similar to those

hydrochloride extended-release tablets (SR) were quantitatively and qualitatively similar to those observed in the dose-response and comparator trials. In the trial of patients without or with a history of psychiatric disorder, the most common adverse events in subjects treated with bupropion hydrochloride extended-release tablets (SR) were broadly similar to those observed in premarketing studies. Adverse events reported in >10% of subjects treated with bupropion hydrochloride extended-release tablets (SR) in the entire study population were nausea, insomnia, and anxiety disorders. Additionally, the following psychiatric adverse events were reported in >2% of patients in either treatment group (bupropion hydrochloride extended-release tablets (SR) vs. placebo) by cohort. For the non-psychiatric cohort, these adverse events were anxiety, nervousness, abnormal dreams, and insomnia. For the psychiatric cohort, these adverse events were adverse Reactions Observed during the Clinical Development of Bupropion In addition to the adverse reactions noted above, the following adverse reactions have been reported in clinical trials with the sustained-release formulation of bupropion in depressed subjects and in nondepressed smokers, as well as in clinical trials with the immediate-release formulation

and in nondepressed smokers, as well as in clinical trials with the immediate-release formulation Adverse reaction frequencies represent the proportion of subjects who experienced a treatment-

Adverse reaction frequencies represent the proportion of subjects who experienced a treatment-emergent adverse reaction on at least one occasion in placebo-controlled trials for depression (n = 987) or smoking cessation (n = 1,013), or subjects who experienced an adverse reaction requiring discontinuation of treatment in an open-label surveillance trial with bupropion sustained-release tablets (n = 3,100). All treatment-emergent adverse reactions are included except those listed in Tables 2 and 3, those listed in other safety-related sections of the prescribing information, those subsumed under COSTART terms that are either overly general or excessively specific so as to be uninformative, those not reasonably associated with the use of the drug, and those that were not serious and occurred in fewer than 2 subjects. uninformative, unuse increasionary associated with the use of the unity, and mose that were not serious and occurred in fewer than 2 subjects. Adverse reactions are further categorized by body system and listed in order of decreasing frequency according to the following definitions of frequency: Frequent adverse reactions are defined as those occurring in at least 1/100 subjects. Infrequent adverse reactions are those occurring in 1/100 to

1/1,000 subjects, while rare events are those occurring in less than 1/1,000 subjects.

Body (General): Frequent were asthenia, fever, and headache. Infrequent were chills, inguinal hernia and photosensitivity. Bare was malaise

Cardiovascular. Infrequent were flushing, migraine, postural hypotension, stroke, tachycardia, and vasodilation. Rare was syncope.

Digestive: Frequent were dyspepsia and vomiting. Infrequent were abnormal liver function, bruxism, dysphagia, gastric reflux, gingivitis, jaundice, and stomatitis.

Hemic and Lymphatic: Infrequent was ecchymosis.

Metabolic and Mutritional: Infrequent were edema and peripheral edema.

Musculoskeletal: Infrequent were leg cramps and twitching:
Nervous System: Frequent were adjutation, depression, and irritability. Infrequent were abnormal coordination, CNS stimulation, confusion, decreased libido, decreased memo depersonalization, emotional lability, hostility, hyperkinesia, hypertonia, hypesthesia, paresthesia, suicidal ideation, and vertigo. Rare were amnesia, ataxia, derealization, and iriana. iratory: Bare was bronchospasm

Skin: Frequent was sweating.

Special Senses: Frequent was blurred vision or diplopia. Infrequent were accommodation abnormality and dry eve abnormality and dry eye. *Urogenital:* Frequent was urinary frequency. Infrequent were impotence, polyuria, and urinary

urgency.

6.2 Postmarketing Experience

The following adverse reactions have been identified during post-approval use of bupropion in the label. Recause The following adverse reactions have been nonlined uning post-approval use of suproposi-hydrochloride extended-release tablets (SR) and are not described elsewhere in the label. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a relationship to drug exposure.

ia, myalgia, and fever with rash and other symptoms suggestive of delayed hypersensitivity. These symptoms may resemble serum sickness *Isee. Warnings and Precautions (5.8)* iscular disorder, complete AV block, extrasystoles, hypotension, myocardial infarction,

Colitis, esophagitis, gastrointestinal hemorrhage, gum hemorrhage, hepatitis, increased salivation, intestinal perforation, liver damage, pancreatitis, stomach ulcer, and stool abnormality.

<u>e</u> cemia, hypoglycemia, and syndrome of inappropriate antidiuretic hormone.

rypergycemia, nypogycemia, and syndrome of mappropriate antidiureus normone. Hemic and Lymphatic Anemia, leukocytosis, leukopenia, lymphadenopathy, pancytopenia, and thrombocytopenia. Altered PT and/or INR, infrequently associated with hemorrhagic or thrombotic complications, were observed when bupropion was coadministered with warfarin.

Musculoskeletal Arthritis and muscle rigidity/fever/rhabdomyolysis, and muscle weakness. Nervous System

<u>s system</u> nal electroencephalogram (EEG), aggression, akinesia, aphasia, coma, completed suicide, delirium, delusions, dysarthria, euriphoria, extrapramidal syndrome (dyskinesia, dystonia hypokinesia, parkinsonism), hallucinations, increased libido, manic reaction, neuralgia, neuropathy paranoid ideation, restlessness, suicide attempt, and unmasking tardive dyskinesia.

ecia, angioedema, exfoliative dermatitis, hirsutism, and Stevens-Johnson syndrome. <u>Special Senses</u> Deafness, increased intraocular pressure, and mydriasis.

Abnormal ejaculation, cystitis, dyspareunia, dysuria, gynecomastia, menopause, painful erection, prostate disorder, salpingitis, urinary incontinence, urinary retention, urinary tract disorder, and vaginitis.
7 DRUG INTERACTIONS 7.1 Potential for Other Drugs to Affect Bupropion Hydrochloride Extended-Release Tablets

Bupropion is primarily metabolized to hydroxybupropion by CYP2B6. Therefore, the potential exists for drug interactions between bupropion hydrochloride extended-release tablets (SR) and drugs that are inhibitors or inducers of CYP2B6. Inhibitors of CYP2B6
Ticlopidine and Closs

of CYP250 and Clopidoarel: Concomitant treatment with these drugs can increase bupropion exposure but decrease hydroxybupropion exposure. Based on clinical response, dosage adjustmer of bupropion hydroxholinde extended-release tablets (SR) may be necessary when coadministere with CYP2B6 inhibitors (e.g., ticlopidine or clopidogref) (see Clinical Pharmacology (12.3)). avir, and Efavirenz: Concomitant treatment with these drugs can decrease bupropion

hydrochloride extended-release tablets (SR) was reported. However, the symptoms persisted in some cases; therefore, ongoing monitoring and supportive care should be provided until symptoms resolve.

Table 3. Adverse Reactions Reported by at Least 1% of Subjects on Active Treatment and at a great 1% of Subjects on Active Treatment and at a lablets (SR) may be necessary when coadministered with ritonavir, lopinavir, or efavirenz [see Clinical Pharmacology (12.3)] but should not exceed the maximum recommended dose. Pharmacology (12.3)] but should not exceed the maximum recommended dose.

Carbamazepine, Phenobarbital, Phenytoin: While not systematically studied, these drugs may induce the metabolism of bupropion and may decrease bupropion exposure [see Clinical]

may induce the metabolism of bupropion and may decrease bupropion exposure [see Clinical Pharmacology (12.3)]. If bupropion is used concomitantly with a CYP inducer, it may be necessary to increase the dose of bupropion, but the maximum recommended dose should not be exceeded.
7.2 Potential for Bupropion to Affect Other Drugs
Drugs Metabolized by CYP2D6
Bupropion and its metabolites (erythrohydrobupropion, threohydrobupropion, hydroxybupropion) are CYP2D6 inhibitors. Therefore, coadministration of bupropion hydrochloride extended-release tablets (SR) with drugs that are metabolized by CYP2D6 an increase the exposures of drugs that are substrates of CYP2D6. Such drugs include certain antidepressants (e.g., venlafaxine, nortriptyline, impramine, desipramine, paroxetine, fluoxetine, and sertralline), antipsychotics (e.g., haloperidol, risperidone, thioridazine), beta-blockers (e.g., metoprolol), and Type IC antiarriythmics (e.g., propafenone and flecainide). When used concomitantly with bupropion hydrochloride extended-release tablets (SR), it may be necessary to decrease the dose of these CYP2D6 substrates, particularly for drugs with a narrow therapeutic index.

Drugs that require metabolic activation by CYP2D6 to be effective (e.g., tamoxifen) theoretically could have reduced efficacy when administered concomitantly with inhibitors of CYP2D6 such as bupropion. Patients treated concomitantly with bupropion hydrochloride extended-release tablets (SR) and such drugs may require increased doses of the drug [see Clinical Pharmacology (12.3)].

<u>Digoxin</u>
Coadministration of bupropion hydrochloride extended-release tablets (SR) with digoxin may decrease plasma digoxin levels. Monitor plasma digoxin levels in patients treated concomitantly with bupropion hydrochloride extended-release tablets (SR) and digoxin [see Clinical Pharmacology

(12.3)].
7.3 Drugs that Lower Seizure Threshold

7.3 Drugs that Lower Seizure Threshold
Use extreme caution when coadministering bupropion hydrochloride extended-release tablets (SR) with other drugs that lower seizure threshold (e.g., other bupropion products, antipsychotics, antidepressants, theophylline, or systemic corticosteroids). Use low initial doses and increase the dose gradually [see Contraindications (4), Warnings and Precautions (5.3)].
7.4 Dopaminergic Drugs (Levodopa and Amantadine)
Bupropion, levodopa, and amantadine have dopamine agonist effects. CNS toxicity has been reported when bupropion was coadministered with levodopa or amantadine. Adverse reactions have included restlessness, agitation, tremor, ataxia, gait disturbance, vertigo, and dizziness. It is presumed that the toxicity results from cumulative dopamine agonist effects. Use caution when administering bupropion hydrochloride extended-release tablets (SR) concomitantly with these drugs. drugs. 7.5 Use with Alcohol

7.3 ose with Alcohol
In postmarketing experience, there have been rare reports of adverse neuropsychiatric events or reduced alcohol tolerance in patients who were drinking alcohol during treatment with bupropion hydrochloride extended-release tablets (SR). The consumption of alcohol during treatment with bupropion hydrochloride extended-release tablets (SR) should be minimized or avoided.
7.6 MAO Inhibitors

Bupropion inhibits the reuptake of dopamine and norepinephrine. Concomitant use of MAOIs Bupropion inhibits the reuptake of dopamine and norepinephrine. Concomitant use of MAOIs and bupropion is contraindicated because there is an increased risk of hypertensive reactions if bupropion is used concomitantly with MAOIs. Studies in animals demonstrate that the acute toxicity of bupropion is enhanced by the MAO inhibitor phenelzine. At least 14 days should elapse between discontinuation of an MAOI and initiation of treatment with bupropion hydrochloride extended-release tablets (SR). Conversely, at least 14 days should be allowed after stopping bupropion hydrochloride extended-release tablets (SR) before starting an MAOI intended to treat psychiatric disorders [see Dosage and Administration (2.8), Contraindications (4)].

7.7 Smoking Cessation
Physiological changes resulting from smoking cessation, with or without treatment with bupropion hydrochloride extended-release tablets (SR), may alter the pharmacokinetics or pharmacodynamics of certain drugs (e.g., theophylline, warfarin, insulin) for which dosage adjustment may be necessary.

7.8 Drug-Laboratory Test Interactions 7.0 urug-Laooratory lest Interactions False-positive urine immunoassay screening tests for amphetamines have been reported in patients taking bupropion. This is due to lack of specificity of some screening tests. False positive test results may result even following discontinuation of bupropion therapy. Confirmatory tests, such as gas chromatography/mass spectrometry, will distinguish bupropion from amphetamines.
8 USE IN SPECIFIC POPULATIONS

8 USE IN SPECIFIC POPULATIONS
8.1 Pregnancy
Pregnancy Category C.
Risk Summary
Data from epidemiological studies of pregnant women exposed to bupropion in the first trimester indicate no increased risk of congenital malformations overall. All pregnancies, regardless of drug exposure, have a background rate of 2% to 4% for major malformations, and 15% to 20% for pregnancy loss. No clear evidence of teratogenic activity was found in reproductive developmental studies conducted in rats and rabbits; however, in rabbits, slightly increased incidences of fetal malformations and skeletal variations were observed at doses approximately 2 times the maximum recommended human dose (MRHD) and greater and decreased fetal weights were seen at doses three times the MRHD and greater. Bupropion hydrochloride extended-release tablets (SR) should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.
Clinical Considerations
Pregnant smokers should be encouraged to attempt cessation using educational and behavioral interventions before pharmacological approaches are used.

interventions before pharmacological approaches are used.

Data Human Data: Data from the international bupropion Pregnancy Registry (675 first trimester exposures) and a retrospective cohort study using the United Healthcare database (1,213 first trimester exposures) did not show an increased risk for malformations overall. No increased risk for cardiovascular malformations overall has been observed after bupropion exposure during the first trimester. The prospectively observed rate of cardiovascular malformations in pregnancies with exposure to bupropion in the first trimester from the international Pregnancy Registry was 1.3% (9 cardiovascular malformations/675 first trimester maternal bupropion exposures), which is similar to the background rate of cardiovascular malformations (approximately 1%). Data from the United Healthcare database and a case-control study (6,853 infants with cardiovascular malformations tudy (NBDPS) did not show an increased risk for cardiovascular malformations overall after bupropion exposure during the first trimester.

National Birth Defects Prevention Study (NBDPS) did not show an increased risk for cardiovascular malformations overall after bupropion exposure during the first trimester. Study findings on bupropion exposure during the first trimester and risk for left ventricular outflow tract obstruction (UVTOT) are inconsistent and do not allow conclusions regarding a possible association. The United Healthcare database lacked sufficient power to evaluate this association; the NBDPS found increased risk for LVOTO (n = 10; adjusted OR = 2.6; 95% CI: 1.2, 5.7), and the Slone Epidemiology case control study did not find increased risk for IVOTO. Study findings on bupropion exposure during the first trimester and risk for ventricular septal defect (VSD) are inconsistent and do not allow conclusions regarding a possible association. The Slone Epidemiology Study found an increased risk for VSD following first trimester maternal bupropion exposure (n = 17; adjusted OR = 2.5; 95% CI: 1.3, 5.0) but did not find increased risk for any other cardiovascular malformations studied (including IVOTO as above). The NBDPS and United Conclusions of the propriet and the NBDPS and United Conclusion of the NBDPS and United Conclusions of the NBDPS and United Conclusio other cardiovascular malformations studied (including LVOTO as above). The NBDPS and United Healthcare database study did not find an association between first trimester maternal bupropion

exposure and VSD exposure and vsb. For the findings of LVOTO and VSD, the studies were limited by the small number of exposed cases, inconsistent findings among studies, and the potential for chance findings from multiple comparisons in case control studies.

Animal Data n studies conducted in rats and rabbits, bupropion was administered orally during the period In studies conducted in rats and rabbits, bupropion was administered orally during the period of organogenesis at doses of up to 450 and 150 mg per kg per day, respectively (approximately 15 and 10 times the MRHD respectively, on a mg per m² basis). No clear evidence of teratogenic activity was found in either species, however, in rabbits, slightly increased incidences of fetal malformations and skeletal variations were observed at the lowest dose tested (25 mg per kg per day, approximately 2 times the MRHD on a mg per m² basis) and greater. Decreased fetal weights were observed at 50 mg are kg and greater.

oay, approximately 2 times the MiHID on a mg per m² basis) and greater. Decreased retal weights were observed at 50 mg per kg and greater. When rats were administered bupropion at oral doses of up to 300 mg per kg per day (approximately 10 times the MiHID on a mg per m² basis) prior to mating and throughout pregnancy and lactation, there were no apparent adverse effects on offspring development.

8.3 Nursing Mothers

Bupropion and its metabolites are present in human milk. In a lactation study of 10 women, levels

of orally dosed bupropion and its active metabolites were measured in expressed milk. The average daily infant exposure (assuming 150 mL per kg daily consumption) to bupropion and its active metabolites was 2% of the maternal weight-adjusted dose. Exercise caution when bupropion hydrochloride extended-release tablets (SR) is administered to a nursing woman.

Safety and effectiveness in the pediatric population have not been established [see Boxed Warning] Warnings and Precautions (5.1). 8.5 Geriatric Use

release tablets (depression and smoking cessation trials), 275 were aged ≥65 years and 47 were aged ≥75 years. In addition, several hundred subjects aged ≥65 years participated in clinical trials using the immediate-release formulation of burpopion (depression trials). No overall difference in safety or effectiveness were observed between these subjects and younger subjects. Reported clinical experience has not identified differences in responses between the elderly and young patients, but greater sensitivity of some older individuals cannot be ruled out. patients, but greater sensitivity in some other intologues cannot be ruled out. Bupropion is extensively metabolized in the liver to active metabolites, which are further metabolized and excreted by the kidneys. The risk of adverse reactions may be greater in patients with impaired

Of the approximately 6,000 subjects who participated in clinical trials with bupropion sustained-

renal function. Because elderly patients are more likely to have decreased renal function, it may be necessary to consider this factor in dose selection; it may be useful to monitor renal function *[se* Oosage and Administration (2.7), Use in Specific Populations (8.6), Clinical Pharmacology (12.3) **5.6 Renal impairment** Consider a reduced dose and/or dosing frequency of bupropion hydrochloride extended-release Collisited a reduced dose and/or dosing neglecting of objection systems to be a second to be a s

epauc impairment ents with moderate to severe hepatic impairment (Child-Pugh score: 7 to 15), the maximum

dose of bupropion hydrochloride extended-release tablets (SR) is 150 mg every other day. In patients with mild hepatic impatiment (Child-Pugh score: 5 to 6), consider reducing the dose and/or frequency of dosing [see Dosage and Administration (2.6), Clinical Pharmacology (12.3)]. 9 DRUG ABUSE AND DEPENDENCE

9.1 Controlled Substance
Bupropion is not a controlled substance.
9.2. Abuse

Humans
Controlled clinical trials conducted in normal volunteers, in subjects with a history of multiple drug

combined united in an accordance in home more more than the most of the most o bupropion produced mild amphetamine-like activity as compared with placebo on the Morphine-Benzedrine Subscale of the Addiction Research Center Inventories (ARCl) and a score greater than placebo but less than 15mg of the Schedule II stimulant dextroamphetamine on the Liking Scale of the ARCl. These scales measure general feelings of euphoria and drug liking which are often

associated with abuse potential. sociated with abuse potential. Findings in clinical trials, however, are not known to reliably predict the abuse potential of drugs. Nonetheless, evidence from single-dose trials does suggest that the recommended daily dosage of bupropion when administered orally in divided doses is not likely to be significantly reinforcing to amphetamine or CNS stimulant abusers. However, higher doses (that could not be tested because of the risk of seizure) might be modestly attractive to those who abuse CNS stimulant drugs. burpopion hydrochloride extended-release tablets (SR) is intended for oral use only. The inhalation of crushed tablets or injection of dissolved bupropion has been reported. Seizures and/or cases of death have been reported when bupropion has been administered intranasally or by parenteral injection.

A<u>nimals</u> Studies in rodents and primates demonstrated that bupropion exhibits some pharmacologic actions Studies in rodents and primates demonstrated mat ouproping exhibits on some pharmacologic actions common to psychostimulants. In rodents, it has been shown to increase locomotor activity, elicit a mild stereotyped behavior response, and increase rates of responding in several schedule-controlled behavior paradigms. In primate models assessing the positive reinforcing effects opsychoactive drugs, bupropion was self-administered intravenously. In rats, bupropion produced amphetamine-like and cocaine-like discriminative stimulus effects in drug discrimination paradigms used to characterize the subjective effects of psychoactive drugs.

The possibility that bupropion may induce dependence should be kept in mind when evaluating the desirability of including the drug in smoking cessation programs of individual patients.

10 OVERĎOSAGE 10.1 Human Overdose Experience 10.1 Human Overdose Experience Overdoses of up to 30 grams or more of bupropion have been reported. Seizure was reported in approximately one-third of all cases. Other serious reactions reported with overdoses of bupropion alone included hallucinations, loss of consciousness, sinus tachycardia, and ECG changes such as conduction disturbances (including QRS prolongation) or arrhythmias. Fever, muscle rigidity, rhabdomyolysis, hypotension, stupor, coma, and respiratory failure have been reported mainly

when bupropion was part of multiple drug overdoses. Although most patients recovered without sequelae, deaths associated with overdoses of bupropion alone have been reported in patients ingesting large doses of the drug. Multiple uncontrolled seizures, bradycardia, cardiac failure, and cardiac arrest prior to death were reported in these

patients.

10.2 Overdosage Management

Consult a Certified Poison Control Center for up-to-date guidance and advice. Telephone numbers

for certified poison control centers are listed in the Physicians' Desk Reference (PDR). Call 1-80 222-1222 or refer to www.poison.org.

Bupropion hydrochloride extended-release tablets (SR) are contraindicated in patients undergoing

Initial U.S. Approval: 1985

Boxed Warning -Removed Neuropsychiatric Reactions in Patients taking Bupropion for Smoking Cessation

Warnings and Precautions, Neuropsychiatric Adverse 05/2017

• May be used with a nicotine transdermal system. (2.5) Moderate to severe hepatic impairment: 150 mg every other day. (2.6, 8.7)
 Mild hepatic impairment: T50 mg every other day. (2.6, 8.7)
 Mild hepatic impairment: Consider reducing the dose and/or frequency of dosing. (2.6, 8.7)
 Renal impairment: Consider reducing the dose and/or frequency. (2.7, 8.6)

 DOSAGE FORMS AND STREMETHS

• Tablets: 150 mg. (3)

Seizure disorder. (4, 5.3)

Seizure disorder. (4, 5.3)
 Current or prior diagnosis of bulimia or anorexia nervosa. (4, 5.3)
 Abrupt discontinuation of alcohol, benzodiazepines, barbiturates, antiepileptic drugs. (4, 5.3)
 Monoamine Oxidase Inhibitors (MAOIs): Do not use MAOIs intended to treat psychiatric disorders with bupropion hydrochloride extended-release tablets (SR) or within 14 days of stopping treatment with bupropion hydrochloride extended-release tablets (SR). Do not use bupropion hydrochloride extended-release tablets (SR) in a patient who is being treated with linezolid or intravenous methylene blue. (4, 7.6)
 Known bynersensitivity to bupropion or other inprecipients of bupropion hydrochloride extended-release.

-----WARNINGS AND PRECAUTIONS---

7.2 Potential for Bupropion Hydrochloride Extended-Release Tablets (SR) to Affect Other Drugs 7.3 Drugs that Lower Seizure Threshold 7.4 Dopaminergic Drugs (Levodopa and Amantadine) 7.5 Use with Alcohol

'.6 MAO Inhibitors .7 Smoking Cessation

3.4 Pediatric Use 3.5 Geriatric Use 8 6 Renal Impairment

9.1 Controlled Substance 10 OVERDOSAGE

12 CLINICAL PHARMACOLOGY 12.1 Mechanism of Action 12.3 Pharmacokinetics

Patients with major depressive disorder (MDD), both adult and pediatric, may experience worsening of their depression and/or the emergence of suicidal ideation and behavior (suicidality) or unusual changes in behavior, whether or not they are taking antidepressant medications, and this risk may persist until significant remission occurs. Suicide is a known risk of depression and certain other psychiatric disorders, and these disorders themselves are the strongest predictors of suicide. There has been a long-standing concern that antidepressants may have a role in inducing worsening of depression and the emergence of suicidality in certain patients during the early phases of treatment.

Pooled analyses of short-term placebo-controlled trials of antidepressant drugs (selective serotonin reuptake inhibitors (SSRIs) and others) show that these drugs increase the risk of suicidal thinking and behavior (suicidality) in children, adolescents, and young adults (ages 18 to 24) with MDD and other psychiatric disorders. Short-term clinical trials did not show an increase in the risk of suicidality with antidepressants compared with placebo in adults beyond age 24; there was a reduction with antidepressants compared with placebo in adults aged 65 and older.

The pooled analyses of placebo-controlled trials in children and adolescents with MDD, ob-The pooled analyses of placebo-controlled trials in children and adolescents with MDD, obsessive compulsive disorder (OCD), or other psychiatric disorders included a total of 24 short-term trials of 9 antidepressant drugs in over 4,400 subjects. The pooled analyses of placebo-controlled trials in adults with MDD or other psychiatric disorders included a total of 295 short-term trials (median duration of 2 months) of 11 antidepressant drugs in over 77,000 subjects. There was considerable variation in risk of suicidality among drugs, but a tendency toward an increase in the younger subjects for almost all drugs studied. There were differences in absolute risk of suicidality across the different indications, with the highest incidence in MDD. The risk differences (drug-), placebo), however, were relatively stable within age strata and across indications. These risk differences (drug-placebo difference in the number of

Table 1. Risk Differences in the Number of Suicidality Cases by Age Group in the Pooled Place

o-controlled Trials of Antic	lepressants in Pediatric and Adult Subjects
Age Range	Drug-Placebo Difference in Number of Cases of Suicidality per 1,000 Subjects Treated
	Increases Compared with Placebo
<18	14 additional cases
18-24	5 additional cases
	Decreases Compared with Placebo
25-64	1 fewer case

6 fewer cases

ever, there is substantial evidence from placebo-controlled maintenance tression that the use of antidepressants can delay the recurrence of depression. All patients being treated with antidepressants for any indication should be monitored appropriately an erved closely for clinical worsening, suicidality, and unusual changes in behavior, especially initial few months of a course of drug therapy, or at times of dose changes, either increa reases [see Boxed Warning].

The following symptoms, anxiety, agitation, panic attacks, insomnia, irritability, hostility, aggressive by, akathisia (speciments), agriculty, plant datases, instinniar, installinis, installinis, aggiressiverias, and mania, have been reported in adul atric patients being treated with antidepressants for major depressive disorder as well as fo lications, both psychiatric and nonpsychiatric. Although a causal link between the emergence symptoms and either the worsening of depression and/or the emergence of suicidal impulses peen established, there is concern that such symptoms may represent precursors to emerging.

Serious neuropsychiatric adverse events have been reported in patients taking Bupropion hydrochlorid extended-release tablets (SR) for smoking cessation. These postmarketing reports have include changes in mood (including depression and mania), psychosis, hallucinations, paranoia, delusion homicidal ideation, aggression, hostility, agitation, anxiety, and panic, as well as suicidal ideation suicide attempt, and completed suicide [see Adverse Reactions (6.2)]. Some patients who stoppe smoking may have been experiencing symptoms of nicotine withdrawal, including depressed moor Depression, rarely including suicidal ideation, has been reported in smokers undergoing a smokin cessation attempt without medication. However, some of these adverse events occurred in patient taking Bupropion hydrochloride extended-release tablets (SR) who continued to smoke.

neuropsychiatric adverse events occurred in patients window and with pre-existing psychiatric intenses, some patients experienced worsening of their psychiatric illness. Observe patients for the occurrence of neuropsychiatric adverse events. Advise patients and caregivers that the patient should stop taking Burpopion hydrochloride extended-release tablets (SR) and contact a healthcare provider immediately if agitation, depressed mood, or changes in behavior or thinking that are not typical for the patient are observed, or if the patient develops suicidal ideation or suicidal behavior. The healthcare provider should evaluate the severity of the adverse events and the extent to which the patient is benefiting from treatment, and consider options including continued treatment under closer monitoring or discontinuing treatment. In many postmarketing cases, resolution of symptoms after discontinuation of Bupropion

abrupt discontinuation of alcohol, benzodiazepines, barbiturates, and antiepileptic drugs [see Warnings and Precautions (5.3), Drug Interactions (7.3)].

• The use of MAOIs (intended to treat psychiatric disorders) concomitantly with bupropion hydrochloride extended-release tablets (SR) or within 14 days of discontinuing treatment with bupropion hydrochloride extended-release tablets (SR) are used concomitantly with MAOIs. The use of bupropion hydrochloride extended-release tablets (SR) are used concomitantly with MAOIs. The use of bupropion hydrochloride extended-release tablets (SR) within 14 days of discontinuing treatment with an MAOI is also contraindicated. Starting bupropion in a patient treated with reversible MAOIs such as linezoid or intravenous methylene blue is contraindicated [see Dosage and Administration (2.8), Warnings and Precautions (5.4), Drug Interactions (7.6)].

• Bupropion hydrochloride extended-release tablets (SR) are contraindicated in patients with a known hypersensitivity to bupropion or other ingredients of bupropion hydrochloride extended-release tablets (SR). Anaphylactoid/anaphylactic reactions and Stevens-Johnson syndrome have been reported [see Warnings and Precautions (5.8)].

• WARNINGS AND PRECAUTIONS

• 1.1 suicidal Thoughts and Behaviors in Children, Adolescents, and Young Adults

5 WARNINGS AND PRECAUTIONS 5.1 Suicidal Thoughts and Behaviors in Children, Adolescents, and Young Adults Although Bupropion hydrochloride extended-release tablets (SR) are not indicated for treatment of depression, it contains the same active ingredient as the antidepressant medications WELLBUTRIN, WELLBUTRIN SR, and WELLBUTRIN XL. Antidepressants increased the risk of suicidal thoughts and behavior in children, adolescents, and young adults in short-term trials.

o-controlled Trials of Antic	lepressants in Pediatric and Adult Subjects
Age Range	Drug-Placebo Difference in Number of Cases of Suicidality per 1,000 Subjects Treated
	Increases Compared with Placebo
<18	14 additional cases
18-24	5 additional cases
	Decreases Compared with Placebo
25-64	1 fewer case

No suicides occurred in any of the pediatric trials. There were suicides in the adult trials, but the numbe was not sufficient to reach any conclusion about drug effect on suicide. It is unknown whether the suicidality risk extends to longer-term use, i.e., beyond several months

Consideration should be given to changing the therapeutic regimen, including possibly discontinuing the medication, in patients whose depression is persistently worse, or who are experiencing emergent suicidality or symptoms that might be precursors to worsening depression or suicidality, especially if these symptoms are severe, abrupt in onset, or were not part of the patient's presenting symptoms. rannues and caregivers of patients being treated with antidepressants for MDD or other indications, both psychiatric and nonpsychiatric, should be alerted about the need to monitor patients for the emergence of agitation, irritability, unusual changes in behavior, and the other symptoms described above, as well as the emergence of suicidality, and to report such symptoms immediately to healthcare providers. Such monitoring should include daily observation by families and caregivers. Prescriptions for burpopion hydrochloride extended-release tablets (SR) should be written for the smallest quantity of tablets consistent with good patient management, in order to reduce the risk of overdose. Families and caregivers of patients being treated with antidepressants for MDD or othe

5.2 Neuronsvchiatric Adverse Events and Suicide Risk in Smoking Cessation Treatment

Neuronsychiatric adverse events occurred in natients without and with nre-existing psychiatric disea

There are no known antidotes for bupropion. In case of an overdose, provide supportive care, including close medical supervision and monitoring. Consider the possibility of multiple drug overdose. Ensure an adequate airway, oxygenation, and ventilation. Monitor cardiac rhythm and vital signs. Induction of sis is not recommended.

Bupropion hydrochloride extended-release tablets, USP (SR) are a non-nicotine aid to si cessation. Bupropion is chemically unrelated to nicotine or other agents currently used in the treatment of nicotine addiction. Initially developed and marketed as an antidepressant (WELBUTRIN SR [bupropion hydrochloride] sustained-release tablets), Bupropion hydrochloride extended-release tablets, USP (SR) is also chemically unrelated to tricyclic, tetracyclic, selective serotonin re-uptake inhibitor, or other known antidepressant agents. Its structure closely resembles that of diethylpropion; it is related to phenylethylamines. It is designated as (±)-1-(3-chlorophenyl)-2-[(1,1-dimethylethyl)amino]-1-propanone hydrochloride. The molecular weight is 276.2. The molecular formula is C_{1,3}H₁₈ClNO+ICI. Bupropion hydrochloride USP is white powder, and soluble in 0.11M Hydrochloric acid, in alcohol (96.0%) and in water. It has a bitter taste and produces the sepsation of local anesthesia on the oral mucosa. The structural formula is: sensation of local anesthesia on the oral mucosa. The structural formula is



Bupropion hydrochloride extended-release tablets, USP (SR) are supplied for oral administration as 150-mg (purple), film-coated, sustained-release tablets. Each tablet contains the labeled amount of bupropion hydrochloride USP and the inactive ingredients: copovidone, cysteine hydrochloride, hypromellose, magnesium stearate, microcrystalline cellulose, polyethylene glycol, polysorbate 80, titanium dioxide, FD&C Blue No.2 Lake and FD&C Red No. 40 Lake. Bupropion hydrochloride extended-release tablets USP (SP) most U

12.1 Mechanism of Action
The exact mechanism by which bupropion hydrochloride extended-release tablets, (SR) enhances the ability of patients to abstain from smoking is not known but is presumed to be related to noradrenergic and/or dopaminergic mechanisms. Bupropion is a relatively weak inhibitor of the neuronal reuptake of norepinephrine and dopamine, and does not inhibit the reuptake of serotonin. Bupropion does not

Bupprojon is a racemic mixture. The pharmacological activity and pharmacokinetics of the individual enantiomers have not been studied. The mean elimination half-life (±SD) of bupropion after chronic dosing is 21 (±9) hours, and steady-state plasma concentrations of bupropion are reached within 8

Absorption

The absolute bioavailability of bupropion in humans has not been determined because an intravenous formulation for human use is not available. However, it appears likely that only a small proportion of any orally administered dose reaches the systemic circulation intact. In rat and dog studies, the

bioavailability of bupropion ranged from 5% to 20%. In humans, following oral administration of bupropion hydrochloride extended-release tablets, (SR),

peak plasma concentration (C_{max}) of bupropion is usually achieved within 3 hours. Bupropion hydrochloride extended-release tablets, (SR) can be taken with or without food. Bupropion C_{max} and AUC was increased by 11% to 35%, and 16% to 19%, respectively, when bupropion hydrochloride extended-release tablets, (SR) was administered with food to healthy volunteers in three trials. The food effect is not considered clinically significant.

<u>Distribution</u>:

In vitro tests show that bupropion is 84% bound to human plasma proteins at concentrations up to 200 mcg per mL. The extent of protein binding of the hydroxybupropion metabolite is similar to that for bupropion; whereas, the extent of protein binding of the threohydrobupropion metabolite is about half that seen with bupropion.

upropion is extensively metabolized in humans. Three metabolites are active: hydroxybupropion Bupropion is extensively metabolized in humans. Three metabolites are active: hydroxybupropion, which is formed via hydroxylation of the *tert*-butly group of bupropion, and the amino-alcohol isomers, threohydrobupropion and erythrohydrobupropion, which are formed via reduction of the carbonyl group. In vitro findings suggest that CYP2B6 is the principal isoenzyme involved in the formation of hydroxybupropion, while cytochrome P450 enzymes are not involved in the formation of threohydrobupropion. Oxidation of the bupropion side chain results in the formation of a glycine conjugate of meta-chlorobenzoic acid, which is then excreted as the major uninary metabolite. The potency and toxicity of the metabolites relative to bupropion have not been fully characterized. However, it has been demonstrated in an antifererssant screening test in mice that hydroxyburpropion is oneit has been demonstrated in an antidepressant screening test in mice that flydroxybupropion is one-half as potent as bupropion, while threohydrobupropion and erythrohydrobupropion are 5-fold less potent than bupropion. This may be of clinical importance, because the plasma concentrations of the

metabolites are as high as or higher than those of bupropion.

Following a single-dose administration of bupropion hydrochloride extended-release tablets, (SR) in humans, Cmax of hydroxybupropion occurs approximately 6 hours post-dose and is approximately 10 times the peak level of the parent drug at steady state. The elimination half-life of hydroxybupropion is approximately 20 (±5) hours and its AUC at steady state is about 17 times that of bupropion. The times to peak concentrations for the erythrohydrobupropion and threohydrobupropion metabolites are similar to that of the hydroxybupropion metabolite. However, their elimination half-lives are longer, 33 (±10) and 37 (±13) hours, respectively, and steady-state AUCs are 1.5 and 7 times that of bupropion,

Bupropion and its metabolites exhibit linear kinetics following chronic administration of 300 to 450

Following oral administration of 200 mg of 14C-bupropion in humans, 87% and 10% of the radioactive dose were recovered in the urine and feces, respectively. Only 0.5% of the oral dose was excreted as

Specific Populations
Factors or conditions altering metabolic capacity (e.g., liver disease, congestive heart failure [CHF], age, concomitant medications, etc.) or elimination may be expected to influence the degree and extent of accumulation of the active metabolites of bupropion. The elimination of the major metabolites of bupropion may be affected by reduced renal or hepatic function because they are moderately polar compounds and are likely to undergo further metabolism or conjugation in the liver prior to urinary

Patients with Renal Impairment There is limited information on the pharmacokinetics of bupropion in patients with renal impairment An inter-trial comparison between normal subjects and subjects with end-stage renal failure demonstrated that the parent drug C_{max} and AUC values were comparable in the 2 groups, whereas the hydroxyburpopion and threohydroburpopion metabolites had a 2.3-and 2.8-fold increase, respectively, in AUC for subjects with end-stage renal failure. A second trial, comparing normal subjects and subjects with moderate-to-severe renal impairment (GFR 30.9 ± 10.8 mL per min), showed that after a single 150-mg dose of sustained-release bupropion, exposure to bupropion was approximately 2-fold higher in subjects with impaired renal function while levels of the hydroxybupropion and threo/ erythrohydrobupropion (combined) metabolites were similar in the 2 groups. Bupropion is extens metabolized in the liver to active metabolites, which are further metabolized and subsequently excr by the kidneys. The elimination of the major metabolites of bupropion may be reduced by impaired renal function. Bupropion hydrochloride extended-release tablets, (SR) should be used with caution in patients with renal impairment and a reduced frequency and/or dose should be used with caution in patients with renal impairment and a reduced frequency and/or dose should be considered [see Use in Specific Populations (8.6)]. Patients with Hepatic Impairment

The effect of hepatic impairment on the pharmacokinetics of bupropion was characterized in 2 single-Ine effect of hepatic impairment on the pharmacokinetics of bupropion was characterized in 2 single-dose trials, one in subjects with alcoholic liver disease and one in subjects with mild-Di-severe cirrhosis. The first trial demonstrated that the half-life of hydroxybupropion was significantly longer in 8 subjects with alcoholic liver disease than in 8 healthy volunteers (32 ± 14 hours versus 21 ± 5 hours, respectively). Although not statistically significant, the AUCs for bupropion and hydroxybupropion were more variable and tended to be greater (by 53% to 57%) in volunteers with alcoholic liver disease. The differences in half-life for bupropion and the other metabolites in the 2 groups were minimal. The second trial demonstrated no statistically significant differences in the pharmacokinetics of bupropion and its active metabolites in 9 subjects with mild-to-moderate hepatic cirrhosis compared with 8 healthy substances.

buproprior and its active inerationies in 3 subjects with infinite in-incorporate repeate crimosis compare with 8 healthy volunteers. However, more variability was observed in some of the pharmacokinetic parameters for bupropion (AUC, C_{max}, and T_{max}) and its active metabolites (t½) in subjects with mildto-moderate hepatic cirrhosis. In 8 subjects with severe hepatic cirrhosis, significant alterations in the okinetics of hunronion and its metabolites were seen (Table 4)

Table 4. Pharmacokinetics of Bupropion and Metabolites in Patients with Severe Hepatic Cirrhosis: Ratio Relative to Healthy Matched Controls

	C _{max}	AUC	t _{1/2}	T _{max} ª
Bupropion	1.69	3.12	1.43	0.5 h
Hydroxybupropion	0.31	1.28	3.88	19 h
Threo/erythrohydrobupropion amino alcohol	0.69	2.48	1.96	20 h

a Difference Smokers: The effects of cigarette smoking on the pharmacokinetics of bupropion were studied in 34

Smokers: The effects of cigarette smoking on the pharmacokinetics of bupropion were studied in 34 healthy male and female volunteers; 17 were chronic cigarette smokers and 17 were nonsmokers. Following oral administration of a single 150-mg dose of bupropion hydrochloride extended-release tablets, (SR), there were no statistically significant differences in C_{max}. half-life, T_{max}. AUC, or clearance of bupropion or its major metabolites between smokers and nonsmokers. In a trial companing the treatment combination of bupropion hydrochloride extended-release tablets, (SR) and NTS versus bupropion hydrochloride extended-release tablets, (SR) alone, no statistically significant differences were observed between the 2 treatment groups of combination bupropion hydrochloride extended-release tablets, (SR) alone (n = 193) in the plasma concentrations of bupropion or its active metabolites at Weeks 3 and 6. Patients with Left Ventricular Dysfunction During a chronic dosing trial with bupropion in 14 depressed subjects with left ventricular dysfunction (history of CHF or an enlarged heart on x-ray), there was no apparent effect on the pharmacokinetics of bupropion or its metabolites, compared with healthy volunteers.

The effects of age on the pharmacokinetics of bupropion and its metabolites have not been fully characterized, but an exploration of steady-state bupropion concentrations from several depression efficacy trials involving subjects dosed in a range of 300 to 750 mg per day, on a 3-times-daily schedule, revealed no relationship between age (18 to 83 years) and plasma concentration of bupropion. A single-dose pharmacokinetic trial demonstrated that the disposition of bupropion and its metabolites in elderly subjects was similar to that of younger subjects. These data suggest there is no prominent effect of age on bupropion concentration; however, another single- and multiple-dose pharmacokinetics trial suggested that the elderly are at increased risk for accumulation of bupropion and its metabolites [see Use in Specific Populations (8-5)].

Male and Female Patients
Pooled analysis of humonian pharmacokinetics data for the single property of the property of the single plants. Age
The effects of age on the pharmacokinetics of bupropion and its metabolites have not been fully

Male and Female Patients

Pooled analysis of bupropion pharmacokinetic data from 90 healthy male and 90 healthy female volunteers revealed no sex-related differences in the peak plasma concentrations of bupropion. The mean systemic exposure (AUC) was approximately 13% higher in male volunteers compared with female volunteers. The clinical significance of this finding is unknown.

Para Interactions Studies

female volunteers. The clinical significance of this finding is unknown. Drug Interactions Studies Potential for Other Drugs to Affect Bupropion Hydrochloride Extended-Release Tablets, (SR) In vitro studies indicate that bupropion is primarily metabolized to hydroxybupropion by CYP2B6. Invitro studies indicate that bupropion is primarily metabolized to hydroxybupropion by CYP2B6. Therefore, the potential exists for drug interactions between bupropion hydrochloride extended-release tablets, (SR) and drugs that are inhibitors or inducers of CYP2B6. In addition, in vitro studies suggest that paroxetine, sertraline, norfluoxetine, fluvoxamine, and nelfinavir inhibit the hydroxylation of bupropion.
Inhibitors of CYP2B6: Ticlopidine, Clopidiogrel
In a trial in healthy male volunteers, clopidogrel 75 mg once daily or ticlopidine 250 mg twice daily increased exposures (C_{max} and AUC) of bupropion by 40% and 60% for clopidogrel, and by 38% and 85% for ticlopidine, respectively. The exposures (C_{max} and AUC) of hydroxybupropion were decreased 50% and 52%, respectively, by clopidogrel, and 78% and 84%, respectively, by ticlopidine. This effect is thought to be due to the inhibition of the CYP2B6-catalyzed bupropion hydroxylation.
Presumel

Prasugrel is a weak inhibitor of CYP2B6. In healthy subjects, prasugrel increased bupropion Cmax and AUC values by 14% and 18%, respectively, and decreased C_{max} and AUC values of hydroxybupropion, an active metabolite of bupropion, by 32% and 24%, respectively.

The threohydrobupropion metabolite of bupropion does not appear to be produced by cytochrome P450 enzymes. The effects of concomitant administration of cimetidine on the pharmacokinetics of bupropior and its active metabolites were studied in 24 healthy young male volunteers. Following oral administration allotts acute metabolities were statuted in 24 metabolities and in the pharmacokinetics of bupropion and hydroxybupropion were unaffected. However, there were 16% and 32% increases in the AUC and C_{max}. espectively, of the combined moieties of threohydrobupropion and erythrohydrobupropion

Citalopram did not affect the pharmacokinetics of bupropion and its 3 metabolites.

Inducers of CYP286: Ritionavir and Lopinavir
In a healthy volunteer trial, ritonavir 100 mg twice daily reduced the AUC and C_{max} of bupropion by 22% and 21%, respectively. The exposure of the hydroxybupropion metabolite was decreased by 23%, the

threohydrobupropion decreased by 38%, and the erythrohydrobupropion decreased by 48%. In a second healthy volunteer trial, ritonavir at a dose of 600 mg twice daily decreased the AUC and the Cmax of bupropion by 66% and 62%, respectively. The exposure of the hydroxybupropion metabolite was decreased by 78%, the threohydrobupropion decreased by 50%, and the erythrohydrobupropion

In another healthy volunteer trial, lopinavir 400 mg/ritonavir 100 mg twice daily decreased bupropion AUC and Cmax by 57%. The AUC and $\mathrm{C}_{\mathrm{max}}$ of hydroxybupropion were decreased by 50% and 31%,

In a trial in healthy volunteers, efavirenz 600 mg once daily for 2 weeks reduced the AUC and Con ropion by approximately 55% and 34%, respectively. The AUC of hydroxybupropion was unchan

buption by approximately 33% and 34%, respectively. The Aud of hydroxybuptopion whereas C_{max} of hydroxybupropion was increased by 50%. Carbamazepine, Phenobarbital, Phenytoin
While not systematically studied, these drugs may induce the metabolism of bupropion Detactif of December 1, December 1, 1987 and 1988 and 19

While not systemically studies, index origin lay induce in interiorism to uproprior potential for Bupropion Hydrochloride Extended-Release Tablets, (SR) to Affect Other Drugs Animal data indicated that bupropion may be an inducer of drug-metabolizing enzymes in humans. In one trial, following chronic administration of bupropion 100 mg three times daily to 8 healthy male volunteers for 14 days, there was no evidence of induction of its own metabolism. Nevertheless, there may be potential for clinically important alterations of blood levels of co-administered drugs.

Drugs Metabolized by CYP2D6

In vitro, bupropion and its metabolites (erythrohydrobupropion, threohydrobupropion, hydroxybupropion) are CYP2D6 inhibitors. In a clinical trial of 15 male subjects (ages 19 to 35 years) who were extensive metabolizers of CYP2D6, bupropion 300 mg per day followed by a single dose of 50 mg desipramine increased the C_{max} , AUC, and t1/2 of desipramine by an average of approximately 2-, 5-, and 2-fold, respectively. The effect was present for at least 7 days after the last dose of bupropion. Concomitant use of bupropion with other drugs metabolized by CYP2D6 has not been formally studied.

Although citalopram is not primarily metabolized by CYP2D6, in one trial bupropion increased the C_{max} and AUC of citalopram by 30% and 40%, respectively

Multiple oral doses of bupropion had no statistically significant effects on the single-dose pharmacokinetics of lamotrigine in 12 healthy volunteers.

Digoxin: Literature data showed that digoxin exposure was decreased when a single oral dose of 0.5-mg digoxin was administered 24 hours after a single oral dose of extended-release 150-mg bupropion in

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
Lifetime carcinogenicity studies were performed in rats and mice at bupropion doses up to 300 and 150
mg per kg per day, respectively. These doses are approximately 10 and 2 times the MRHD, respectively, on a mg per m² basis. In the rat study there was an increase in nodular proliferative lesions of the liver at doses of 100 to 300 mg per kg per day (approximately 3 to 10 times the MRHD on a mg per m² basis). Iower doses were not tested. The question of whether or not such lesions may be precursors of neoplasms of the liver is currently unresolved. Similar liver lesions were not seen in the mouse study, and no increase in malignant tumors of the liver and other organs was seen in either study. Bupropion produced a positive response (2 to 3 times control mutation rate) in 2 of 5 strains in the Ames bacterial mutagenicity assay. Bupropion produced an increase in chromosomal aberrations in 1 of 3 in

vivo rat bone marrow cytogenetic studies.

A fertility study in rats at doses up to 300 mg per kg per day revealed no evidence of impaired fertility

14 CLINICAL STUDIES

The efficacy of bupropion hydrochloride extended-release tablets, (SR) as an aid to smoking cessation was demonstrated in 3 placebo-controlled, double-blind trials in nondepressed chronic cigarette smokers (n = 1,940, greater than or equal to 15 cigarettes per day). In these trials, bupropion hydrochloride extended-release tablets, (SR) was used in conjunction with individual smoking cessation

counseling. The first trial was a dose-response trial conducted at 3 clinical centers. Subjects in this trial were treated for 7 weeks with 1 of 3 doses of bupropion hydrochloride extended-release tablets, (SR) (100, 150, or 300 mg per day) or placebo; quitting was defined as total abstinence during the last 4 weeks of treatment (Weeks 4 through 7). Abstinence was determined by subject daily diaries and verified by carbon monoxide levels in expired air. Results of this dose-response trial with bupropion hydrochloride extended-release tablets, (SR)

Hesuits of this oose-fresponse trial with Dupropion hydrochloride extended-release tablets, (Sh) demonstrated a dose-dependent increase in the percentage of subjects able to achieve 4-week abstinence (Weeks 4 through 7). Treatment with bupropion hydrochloride extended-release tablets, (SR) at both 150 and 300 mg per day was significantly more effective than placebo in this trial. Table 5 presents quit rates over time in the multicenter trial by treatment group. The quit rates are the proportions of all subjects initially enrolled (i.e., intent-to-treat analysis) who abstained from Week 4 of the trial through the specified week. Treatment with bupropion hydrochloride extended-release tablets, (SR) (150 or 300 mg per day) was more effective than placebo in helping subjects achieve 4-week at 300 mg per day) was more effective than placebo in helping subjects achieve at 300 mg per day) was more effective than placebo in helping subjects maintain continuous abstinence through Week 26 (film controls) of the trial through the Achieve Ac (film controls) of the trial through the Achieve Achieve

		Treatment Groups				
Abstinence from Week 4 through Specified Week	Placebo (n = 151) % (95% CI)	Bupropion Hydrochlorid Extended-Release Tablets, (SR) 100 mg/day (n = 153) % (95% CI)	Bupropion Hydrochloride Extended-Release Tablets, (SR) 150 mg/day (n = 153) % (95% CI)	Bupropion Hydrochloride Extended-Release Tablets, (SR) 300 mg/day (n = 156) % (95% CI)		
Week 7	17%	22%	27%ª	36%ª		
(4-week quit)	(11-23)	(15-28)	(20-35)	(28-43)		
Week 12	14%	20%	20%	25%ª		
	(8-19)	(13-26)	(14-27)	(18-32)		
Week 26	11%	16%	18%	19%ª		
	(6-16)	(11-22)	(12-24)	(13-25)		

Significantly different from placebo (P=0.05). The second trial was a comparator trial conducted at 4 clinical centers. Four treatments were evaluated: bupropion hydrochloride extended-release tablets, (SR) 300 mg per day, nicotine transdermal system (NTS) 21 mg per day, combination of bupropion hydrochloride extended-release tablets, (SR) 300 mg per day plus NTS 21 mg per day, and placebo. Subjects were treated for 9 weeks. Treatment with bupropion hydrochloride extended-release tablets, (SR) was initiated at 150 mg per day while the subject was still smoking and was increased after 3 days to 300 mg per day given as 150 mg per day was added to treatment with bupropion hydrochloride extended-release tablets, (SR) after approximately 1 week when the subject reached the target quit date. During Weeks 8 and 9 of the trial, NTS was tapered to 14 and 7 mg per day, respectively. Outling, defined as total abstinence during Weeks 4 through 7, was determined by subject daily diaries and verified by expired air carbon monoxide levels. In this trial, subjects treated with any of the 3 treatments achieved greater 4-week abstinence rates than subjects treated with placebo.

4-week abstinence rates than subjects treated with placebo.

Table 6 presents quit rates over time by treatment group for the comparator trial.

Table 6. Comparator Trial: Quit Rates by Treatment Group

		Treatment Groups				
Abstinence from Week 4 through Specified Week	Placebo (n = 160) % (95% CI)	Nicotine Transdermal System (NTS) 21 mg/day (n = 244) % (95% CI)	Bupropion Hydrochloride Extended-Release Tablets, (SR) 300 mg/day (n = 244) % (95% CI)	Bupropion Hydrochloride Extended-Release Tablets, (SR) 300 mg/day and NTS 21 mg/day (n = 245) % (95% CI)		
Week 7 (4-week quit)	23% (17-30)	36% (30-42)	49% (43-56)	58% (51-64)		
Wook 10	20%	32%	46%	51%		

Week 10 (14-26) (26-37) When subjects in this trial were followed out to 1 year, the superiority of bupropion and the combination of bupropion and NTS over placebo in helping them to achieve abstinence from smoking was maintained. The continuous abstinence rate was 30% (95% Cl: 24 to 35) in the subjects treated with bupropion and 33% (95% Cl: 27 to 39) for subjects treated with the combination at 26 weeks compared with 13% (95% Cl: 7 to 18) in the placebo group. At 52 weeks, the continuous abstinence rate was 23% (95% Cl: 18 to 28) in the subjects treated with bupropion and 28% (95% Cl: 23 to 34) for subjects treated with the combination, compared with 8% (95% Cl: 3 to 12) in the placebo group. Although the treatment combination of bupropion and NTS displayed the highest rates of continuous abstinence throughout the trial, the quit rates for the combination were not significantly higher (P>-0.05) than for bupropion alone. The comparisons between bupropion hydrochloride extended-release tablets, (SR), NTS, and ation treatment in this trial have not been replicated, and, therefore should not be interpreted as onstrating the superiority of any of the active treatment arms over any other.

The third trial was a long-term maintenance trial conducted at 5 clinical centers. Subjects in this trial The till till till was a long-term maintenance tran consolered at a similar control of the contr = 432) were then randomized to bupropion hydrochloride extended-release tablets, (SR), 300 mg per day or placebo for a total trial duration of 1 year. Abstinence from smoking was determined by subject elf-report and verified by expired air carbon monoxide levels. This trial demonstrated that at 6 months

continuous abstinence rates were significantly higher for subjects continuing to receive bupropion thar for those switched to placebo (P<0.05; 55% versus 44%). Quit rates in clinical trials are influenced by the population selected. Quit rates in an unselected opulation may be lower than the above rates. Quit rates for buoropion were similar in subjects with and

vithout prior quit attempts using nicotine replacement therapy. reatment with bupropion hydrochloride extended-release tablets, (SR), reduced withdrawal symptoms compared with placebo. Reductions on the following withdrawal symptoms were most pronounced: irritability, frustration, or anger; anxiety; difficulty concentrating; restlessness; and depressed mood or negative affect. Depending on the trial and the measure used, treatment with bupropion showed evidence of reduction in craving for cigarettes or urge to smoke compared with placebo.

Use in Patients with Chronic Obstructive Pulmonary Disease (COPD)

Bupropion hydrochloride extended-release tablets, (SR), was evaluated in a randomized, double-blind, comparator trial of 404 subjects with mild-to-moderate COPD defined as FEV1 greater than or equal to 35%, FEV1/FVC less than or equal to 70%, and a diagnosis of chronic bronchitis, emphysema, and/ r small airways disease. Subjects aged 36 to 76 years were randomized to bupropion hydrochloride xtended-release tablets, SR), 300 mg per day (ne 204) or placebo (ne 200) and treated for 12 weeks. reatment with bupropion hydrochloride extended-release tablets, (SR), was initiated at 150 mg per day for 3 days while the subject was still smoking and increased to 150 mg twice daily for the rei treatment period. Abstinence from smoking was determined by subject daily diaries and verified by carbon monoxide levels in expired air. Quitters were defined as subjects who were abstinent during the last 4 weeks of treatment. Table 7 shows quit rates in the COPD Trial.

Table 7. COPD Trial: Quit Rates by Treatment Group

	Treati	ment Groups
4-Week Abstinence Period	Placebo (n = 200) % (95% Cl)	Bupropion Hydrochloride Extended-Release Tablets, (SR), 300 mg/day (n = 204) % (95% CI)
Weeks 9 through 12	12% (8-16)	22%ª (17-27)

^aSignificantly different from placebo (P<0.05)

marketing Neuropsychiatric Safety Outcome Trial onion hydrochloride extended-release tablets, (SR) was evaluated in a randomized, double-blind, control of the control of t active-and placebo-controlled trial that included subjects without a history of psychiatric disorder (nor psychiatric cohort, n = 3.912) and subjects with a history of psychiatric disorder (psychiatric cohort, n = 4003). Subjects aged 18 to 75 years, smoking 10 or more cigarettes per day were randomized 1:1:1:1 to Bupropion hydrochloride extended-release tablets, (SR) 150 mg twice daily, varenicline 1 mg twice daily, nicotine replacement therapy patch (NRT) 21 mg per day with taper or placebo for a treatment period of 12 weeks; they were then followed for another 12 weeks post-treatment. [See Warnings and

A composite safety endpoint intended to capture clinically significant neuropsychiatric (NPS) adverse A composite same yeinpoint imelited to teapure clinically significant neuropsychiatric (NPS) adverse events: anxiety, depression, feeling abnormal, hostility, agitation, aggression, delusions, hallucinations, homicidal ideation, mania, panic, paranoia, psychosis, irritability, suicidal ideation, sicidal behavior, or completed suicide.

The use of Bupropion hydrochloride extended-release tablets, (SR), varenicline, and NRT in the non-psychiatric cohort was not associated with an increased risk of clinically significant NPS adverse events compared with placebo (Table 8).

Treatment Group	Bupropion hydrochloride extended-release tablets, (SR) (n = 968) n (%)	Varenicline (n = 975) n (%)	NRT (n = 987) n(%)	Placebo (n = 982) n (%)
Clinically significant NPS	34 (3.5)	30 (3.1)	33 (3.3)	40 (4.1)
Serious NPS	5 (0.5)	1 (0.1)	1 (0.1)	4 (0.4)
Psychiatric hospitalizations	2 (0.2)	1 (0.1)	0 (0.0)	1 (0.1)
here were more clinically sig	nificant NPS adverse e	vents renorted in	natients in the	nsvchiatric c

in each treatment group compared with the non-specifiatric cohor (Table 9). The incidence of ever in the composite endpoint was higher for each of the active treatments compared with placebo: F Differences (Rob) (95% Cl) vs. placebo were 2.2 % (-0.5, 4.9) for Burpopion hydrochloride extend release tablets, (SR); 2.7% (-0.05, 5.4) for varenicline, and 0.4% (-2.2, 3.0) for NRT transdermal nicot

Table 9. Number of Patients with Clinically Significant or Serious NPS Adverse Events by

Treatment Group	Bupropion hydrochloride extended- release tablets, (SR) (n = 1,004) n (%)	Varenicline (n = 1,007) n (%)	NRT (n = 995) n(%)	Placebo (= 997) n (%)
Clinically significant NPS	118 (11.8)	123 (12.2)	98 (9.8)	95 (9.5)
Serious NPS	8 (0.8)	6 (0.6)	4 (0.4)	6 (0.6)
Psychiatric hospitalizations	8 (0.8)	5 (0.5)	4 (0.4)	2 (0.2)

There was one completed suicide, which occurred during treatment in a patient treated with placebo in the non-psychiatric cohort. There were no completed suicides reported in the psychiatric cohort. In both cohorts, subjects treated with Bupropion hydrochloride extended-release tablets, (SR) had a superior rate of CO-confirmed abstinence during Weeks 9 through 12 and 9 through 24 compared with exhibitors treated with places.

Table 10: Continuous Abstinence (95% Confidence Interval), Study in Patients with or without a

	Bupropion hydrochloride extended- release tablets, (SR) 150 mg b.i.d.	Varenicline 1 mg b.i.d.	NRT 21 mg/day with Taper	Placebo
Weeks 9 through	12			
Non-Psychiatric	26%	38%	26%	14%
Cohort	(23%, 29%)	(35%, 41%)	(24%, 29%)	(12%, 16%)
Psychiatric	19%	29%	20%	11%
Cohort	(17%, 22%)	(26%, 32%)	(18%, 23%)	(10%, 14%)
Weeks 9 through	24		•	
Non-Psychiatric	19%	25%	18%	11%
Cohort	(16%, 21%)	(23%, 28%)	(16%, 21%)	(9%, 13%)
Psychiatric	14%	18%	13%	8%
Cohort	(12%, 16%)	(16%, 21%)	(11%, 15%)	(7%, 10%)

16 HOW SUPPLIED/STORAGE AND HANDLING
Bupropion hydrochloride extended-release tablets, USP (SR) 150 mg of bupropion hydrochloride, are purple, round, biconvex, film coated tablets debossed with 'SG, 338' on one side and plain on other side and supplied in bottles of 30 tablets (NDC 43598-863-30), 60 tablets (NDC 43598-863-60) and 1,000 tablets (NDC 43598-863-10). Labels (NDC 45396-05-10).
Store at room temperature, 20° to 25°C (68° to 77°F); excursions permitted between 15°C and 30°C (59°F and 86°F) [see USP Controlled Room Temperature]. Protect from light and moisture.

17 PATIENT COUNSELING INFORMATION

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

Suicidal Thoughts and Behaviors Instruct patients, their families, and/or their caregivers to be alert to the emergence of anxiety, agitation, panic attacks, insonmal, irritability, hostility, aggressiveness, impulsivity, akathisia (psychomotor restlessness), hypomania, mania, other unusual changes in behavior, worsening of depression, and suicidal ideation, especially early during antidepressant treatment and when the dose is adjusted up or down. Advise families and caregivers of patients to observe for the emergence of such symptoms on a day-to-day basis, since changes may be abrupt. Such symptoms should be reported to the patient's prescriber or healthcare professional, especially if they are severe, abrupt in onset, or were not part of the patient's presenting symptoms. Symptoms such as these may be associated with an increased risk for sucidal thinking and behavior and indicate a need for very close monitoring and possibly changes in the medication. Issee Royard Warning and Precautions (5.5.11). the medication. [see Boxed Warning, Warnings and Precautions (5.1)].

Neuropsychiatric Adverse Events and Suicide Risk in Smoking Cessation Treatment Inform patients that some patients have experienced changes in mood (including depression and mania), psychosis, hallucinations, paranola, delusions, homicidal ideation, aggression, hostility, agitation, anxiety, and panic, as well as suicidal ideation and suicide when attempting to quit argument will be a suicidal ideation and suicide when attempting to quit ang while taking bupropion hydrochloride extended-release tablets, (SR). Instruct patients to discontinue bupropion hydrochloride extended-release tablets, (SR) and contact a healthcare professional if they

experience such symptoms [see Warnings and Precautions (5.2), Adverse Reactions (6.2)]. <u>Severe Allergic Reactions</u>
<u>Educate patients on the symptoms of hypersensitivity and to discontinue bupropion hydrochloride extended-release tablets (SR), if they have a severe allergic reaction to bupropion.</u>

SERVIUE
Instruct patients to discontinue bupropion hydrochloride extended-release tablets (SR), and not restart it if they experience a seizure while on treatment. Advise patients that the excessive use or abrupt discontinuation of alcohol, benzodiazepines, antiepilepitic drugs, or sedatives/hypnotics can increase the risk of seizure. Advise patients to minimize or avoid use of alcohol.

Angle-closure Glaucoma
Patients should be advised that taking bupropion hydrochloride extended-release tablets, (SR) can cause mild pupillary dilation, which in susceptible individuals, can lead to an episode of angle-closure glaucoma. Pre-existing glaucoma is almost always open-angle glaucoma because angle-closure glaucoma, when diagnosed, can be treated definitively with iridectomy. Open-angle glaucoma is not a risk factor for angle-closure glaucoma. Patients may wish to be examined to determine whether they are susceptible to angle closure, and have a prophylactic procedure (e.g., iridectomy), if they are susceptible [see Warnings and Precautions (5.7)].

Bupropion-containing Products
Educate patients that bupropion hydrochloride extended-release tablets (SR), contains the same
active ingredient (bupropion hydrochloride) found in WELLBUTRIN, WELLBUTRIN SR, and WELLBUTRIN
XL, which are used to treat depression and that bupropion hydrochloride extended-release tablets,
(SR) should not be used in conjunction with any other medications that contain bupropion (such as
WELLBUTRIN, the immediate-release formulation; WELLBUTRIN SR, the sustained-release formulation; WELLBUTRIN XL or FORFIVO XLTM, the extended-release formulations; and APLENZIN[®], the extended-release formulation of bupropion hydrobromide). In addition, there are a number of generic bupropion HCl products for the immediate-, sustained-, and extended-release formulations.

<u>Potential for Cognitive and Motor Impairment</u>
Advise patients that any CNS-active drug like bupropion hydrochloride extended-release tablets, (SR) may impair their ability to perform tasks requiring judgment or motor and cognitive skills. Advise patients that until they are reasonably certain that bupropion does not adversely affect their performance, they should refrain from driving an automobile or operating complex, hazardous machinery. Bupropion may lead to decreased alcohol tolerance.

Concomitant Medications
Counsel patients to notify their healthcare provider if they are taking or plan to take any prescription
or over-the-counter drugs because bupropion hydrochloride extended-release tablets, (SR) and other
drugs may affect each others' metabolisms.

ents to notify their healthcare provider if they become pregnant or intend to become pregnant

<u>Precautions for Nursing Mothers</u> <u>Advise patients that bupropion is present in human milk in small amounts.</u>

Instruct patients to swallow bupropion hydrochloride extended-release tablets (SR), whole so that the release rate is not altered. Do not chew, divide, or crush tablets; they are designed to slowly release drug in the body. When patients take more than 150 mg per day, instruct them to take buprojon hydrochloride extended-release tablets (SR), in 2 doses at least 8 hours apart, to minimize the risk of seizures. Instruct patients if they miss a dose, not to take an extra tablet to make up for the missed dose

and to take the next tablet at the regular time because of the dose-related risk of seizure. Bupropion hydrochloride extended-release tablets (SR), can be taken with or without food. Advise patients that bupropion hydrochloride extended-release tablets (SR) any have an odor. WELLBUTRIN, WELLBUTRIN SR, and WELLBUTRIN XL are registered trademarks of the GSK group of companies. The other brands listed are the trademarks of their respective owners.

You can ask your pharmacist or doctor for information about **bupropion hydrochloride extended-release tablets**, (SR) or call 1-888-375-3784.

Manufactured by:

ScieGen Pharmaceuticals, Inc. Hauppauge, NY 11788 USA Manufactured for: Dr. Reddy's Laboratories Inc. Princeton, New Jersey 08540, USA

Dr.Reddy's

MEDICATION GUIDE Bupropion (bue-PROE-pee-on) Hydrochloride Extended-Release Tablets, USP (SR)

IMPORTANT: Be sure to read the three sections of this Medication Guide. The first section is about the risk of changes in thinking and behavior, depression and suicidal thoughts or actions with medicines used to quit smoking; the second section is about the risk of suicidal thoughts and actions with antidepressant medicines; a Other Important Information Should I Know About Bupro cines: and the third section is en

Quitting Smoking, Quit-Smoking Medications, Changes in Thinking and Behavior, Depression, and Suicidal Thoughts or Actions

This section of the Medication Guide is only about the risk of changes in thinking and behavior, sion and suicidal thoughts or actions with drugs used to quit smoking. Talk to your healthcare provider or your family member's healthcare provider about:

· all risks and benefits of quit-smoking medicines. all treatment choices for quitting smoking.

When you try to guit smoking, with or without bupropion hydrochloride extended-release tablets. (SR), you may have symptoms that may be due to nicotine withdrawal, including:

 frustration decreased heart rate angerfeeling anxious trouble sleeping increased appetite difficulty concentrating weight gain Some people have even experienced suicidal thoughts when trying to quit smoking without

medication. Sometimes quitting smoking can lead to worsening of mental health problems that you already have, such as depression. Some neoble have had serious side effects while taking bupropion hydrochloride extended-release tablets, (SR), to help them quit smoking, including

New or worse mental health problems, such as changes in behavior or thinking, aggression, hostility, agitation, depression, suicidal thoughts or actions. Some people had these symptoms when they began taking bupropion hydrochloride extended-release tablets, (SR), and others developed them after several weeks of treatment, or after stopping bupropion hydrochloride extended-release tablets, (SR), These symptoms happened more often in people who had a history of mental health problems before taking bupropion hydrochloride extended-release tablets, (SR) than in people without a history of mental health problems.

Stop taking bupropion hydrochloride extended-release tablets, (SR), and call your healthcare provider right away if you, your family, or caregiver notices any of these symptoms. Work with your healthcare provider to decide whether you should continue to take bupropion hydrochloride extended-release tablets, (SR). In many people, these symptoms went away after stopping bupropion hydrochloride extended-release tablets, (SR) but in some people symptoms continued bupropion hydrochloride extended-release tablets, (SH) but in some people symptoms commueur after stopping bupropion hydrochloride extended-release tablets, (SR), it is important for you to follow-up with your healthcare provider until your symptoms go away. Before taking bupropion hydrochloride extended-release tablets, (SR), tell your healthcare provider if you have ever had depression or other mental health problems. You should also tell your healthcare provider about any symptoms you had during other times you tried to quit smoking, with or without bupropion bydrochloride extended-release tablets. (SR) hydrochloride extended-release tablets. (SR)

Antidepressant Medicines, Depression and Other Serious Mental Illnesses, and Suicidal

Although bupropion hydrochloride extended-release tablets. (SR) are not a treatment for depr it contains bupropion, the same active ingredient as the antidepressant medications WELLBUTRIN® WELLBUTRIN SR®, and WELLBUTRIN XL®.

This section of the Medication Guide is only about the risk of suicidal thoughts and actions with

What is the most important information I should know about antidepressant medicines, depression and other serious mental illnesses, and suicidal thoughts or actions?

1. Antidepressant medicines may increase suicidal thoughts or actions in some children, teenagers, or young adults within the first few months of treatment.

2. Depression or other serious mental illnesses are the most important causes of suicidal thoughts and actions. Some people may have a particularly high risk of having suicidal thoughts or actions. These include people who have (or have a family history of) bipolar illness

3. How can I watch for and try to prevent suicidal thoughts and actions in myself or a family Pay close attention to any changes, especially sudden changes, in mood, behaviors, thoughts, or feelings. This is very important when an antidepressant medicine is started or when the dose

• Call your healthcare provider right away to report new or sudden changes in mood, behavior, • Keep all follow-up visits with your healthcare provider as scheduled. Call the healthcare provider

Call your healthcare provider right away if you or your family member has any of the following symptoms, especially if they are new, worse, or worry you:

 trouble sleeping (insomnia)
 new or worse irritability
 acting aggressive, being angry, or violent
 acting on dangerous impulses
 an extreme increase in activity and talking attempts to commit suicide
 new or worse depression

between visits as needed, especially if you have concerns about symptoms.

new or worse anxiety
 feeling very agitated or restless

What else do I need to know about antidepressant medicines?

• Never stop an antidepressant medicine without first talking to a healthcare provider. Stopping an antidepressant medicine suddenly can cause other symptoms.

• Antidepressants are medicines used to treat depression and other illnesses. It is important to discuss all the risks of treating depression and also the risks of not treating it. Patients and their families or other caregivers should discuss all treatment choices with the healthcare provider, not just the use of antidepressants

just the use of antidepressants.

• Antidepressant medicines have other side effects. Talk to the healthcare provider about the side effects of the medicine prescribed for you or your family member.

• Antidepressant medicines can interact with other medicines. Know all of the medicines that you or your family member takes. Keep a list of all medicines to show the healthcare provider. Do not start new medicines without first checking with your healthcare provider.

What other important information should I know about bupropion hydrochloride extended-release tablets, (SR)?

• Seizures: There is a chance of having a seizure (convulsion, fit) with bupropion hydrochloride extended-release tablets, (SR), especially in people:

• with certain medical croblems

The chance of having seizures increases with higher doses of bupropion hydrochloride extended-release tablets, (SR). For more information, see the sections "Who should not take bupropion hydrochloride extended-release tablets, (SR)?" and "What should I tell my healthcare provider before taking bupropion hydrochloride extended-release tablets, (SR)?" Tell your healthcare provider about all of your medical conditions and all the medicines you take. **Do not take any other medicines while you are taking hupropion hydrochloride extended-release tablets**.

If you have a seizure while taking bupropion hydrochloride extended-release tablets, (SR), stop taking the tablets and call your healthcare provider right away. Do not take bupropion hydrochloride extended-release tablets, (SR) again if you have a seizure.

High blood pressure (hypertension). Some pe ople get high blood pressure that can be severe, while taking bupropion hydrochloride extended-release tablets, (SR). The chance of high blood pressure may be higher if you also use nicotine replacement therapy (such as a nicotine patch) to help you stop smoking (see the section of this Medication Guide called "How should I take bupropion hydrochloride extended-release tablets, (SR)?").

• Manic episodes. Some people may have periods of mania while taking bupropion hydrochloride extended-release tablets, (SR), including:

Inusually grand ideas

If you have any of the above symptoms of mania, call your healthcare provide

Unusual thoughts or behaviors. Some patients have unusual thoughts or behaviors while taking bupropion hydrochloride extended-release tablets, (SR), including delusions (believe you are someone else), hallucinations (seeing or hearing things that are not there), paranoia (feeling that people are against you), or feeling confused. If this happens to you, call your healthcare provider.

eye pain changes in vision

swelling or redness in or around the eve

Instruct patients to store bupropion hydrochloride extended-release tablets (SR), at room temperature, between 68°F and 77°F (20°C to 25°C) and keep the tablets dry and out of the light.

Only some people are at risk for these problems. You may want to undergo an eye examination to see if you are at risk and receive preventative treatment if you are.

Severe allergic reactions. Some people can have severe allergic reactions to bupropion
hydrochloride extended-release tablets, (SR). Stop taking bupropion hydrochloride
extended-release tablets, (SR) and call your healthcare provider right away if you get a rash
tiching, hives, fever, swollen lymph glands, painful sores in the mouth or around the eyes, swelling
of the lips or tongue, chest pain, or have trouble breathing. These could be signs of a serious
allargic reaction.

Bupropion hydrochloride extended-release tablets, (SR) should be used with a patient support program. It is important to participate in the behavioral program, counseling, or other support program your healthcare professional recommends.

Quitting smoking can lower your chances of having lung disease, heart disease, or getting certain types of cancer that are related to smoking.

Who should not take bupropion hydrochloride extended-release tablets, (SR)?

Do not take bupropion hydrochloride extended-release tablets, (SR) if you:

have or had a seizure disorder or epilepsy.

have or had an eating disorder such as anorexia nervosa or bulimia.

are taking any other medicines that contain bupropion, including WELLBUTRIN, WELLBUTRIN SR, WELLBUTRIN XL, APLENZIN⊕, or FORFIVO XL™. Bupropion is the same active ingredient that is in bupropion hydrochloride extended-release tablets, (SR).

drink a lot of alcohol and abruptly stop drinking, or take medicines called sedatives (these make you sleepy), benzodiazepines, or anti-seizure medicines, and you stop taking them all of a sudden.

take a monoamine oxidase inhibitor (MAOI). Ask your healthcare provider or pharmacist if you are not sure if you take an MAOI, including the antibiotic linezolid.

do not take an MAOI within 2 weeks of stopping bupropion hydrochloride extended-release tablets, (SR) in less directed to do so by your healthcare provider.

do not start bupropion hydrochloride extended-release tablets, (SR) if you stopped taking an MAOI in the last 2 weeks unless directed to do so by your healthcare provider.

are allergic to the active ingredient in bupropion hydrochloride extended-release tablets, (SR), bupropion, or to any of the inactive ingredients. See the end of this Medication Guide for a complete list of ingredients in bupropion hydrochloride extended-release tablets, (SR).

What should I tell my healthcare provider before taking bupropion hydrochloride extended-release tablets, (SR)?

Tell your healthcare provider if you have ever had depression, suicidal thoughts or actions, or other mental health problems. You should also tell your healthcare provider about any symptoms you had during other times you tried to quit smoking, with or without bupropion hydrochloride extended-release tables, (SR). See "Quitting Smoking, Quit-Smoking Medications, Changes in Thinking and Behavior, Depression, and Suicidal Thoughts or Actions."

Tell your healthcare provider about all the medicines you take, including prescription, over— the-counter medicines, vitamins, and herbal supplements. Many medicines increase your chances of having seizures or other serious side effects if you take them while you are taking bupropion hydrochloride extended-release tablets, (SR).

What are possible side effects of bupropion hydrochloride extended-release tablets, (SR)? Bupropion hydrochloride extended-release tablets, (SR) can cause serious side effects. See the sections at the beginning of this Medication Guide for information about serious side effects of bupropion hydrochloride extended-release tablets, (SR)

If you have trouble sleeping, do not take bupropion hydrochloride extended-release tablets, (SR) too close to be time.

ese are not all the possible side effects of bupropion hydrochloride extended-release tablets, 3). For more information, ask your healthcare provider or pharmacist.

This Medication Guide summarizes important information about bupropion hydrochloride extended-release tablets, (SR). If you would like more information, talk with your healthcare provider. You can ask your healthcare provider or pharmacist for information about bupropion hydrochloride extended-release tablets, (SR) that is written for health professionals.

What are the ingredients in bupropion hydrochloride extended-release tablets, USP (SR)? Active ingredient: bupropion hydrochloride.

WELLBUTRIN, WELLBUTRIN SR, and WELLBUTRIN XL are registered trademarks of the GSK group of companies. The other brands listed are the trademarks of their respective owners.

Manufactured by: ScieGen Pharmaceuticals, Inc.

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Manufactured for **Dr. Reddy's Laboratories Inc.** Princeton, New Jersey 08540, USA



Tell your healthcare provider about your other medical conditions, including if you:
have liver problems, especially cirrhosis of the liver.
have kidney problems.
have, or have had, an eating disorder such as anorexia nervosa or bulimia.
have had a head injury.
have had a seizure (convulsion, fit).
have a tumor in your nervous system (brain or spine).
have had a heart attack, heart problems, or high blood pressure.
are a diabetic taking insulin or other medicines to control your blood sugar.
drink alcohol.
abuse prescription medicines or street drugs.
are pregnant or plan to become pregnant.
are breastfeeding. Bupropion passes into your milk in small amounts

of having seizures or other serious side effects if you take them while you are taking bupropion hydrochloride extended-release tablets, (SR)?

Now should I take bupropion hydrochloride extended-release tablets, (SR)?

Start bupropion hydrochloride extended-release tablets, (SR) before you stop smoking to give bupropion time to build up in your body. It takes about 1 week for bupropion hydrochloride extended-release tablets, (SR) to start working.

Pick a date to stop smoking that is during the second week you are taking bupropion hydrochloride extended-release tablets, (SR) exactly as prescribed by your healthcare provider. Do not change your dose or stop taking bupropion hydrochloride extended-release tablets, (SR) without talking with your healthcare provider first.

Bupropion hydrochloride extended-release tablets, (SR) are usually taken for 7 to 12 weeks. Your healthcare provider my decide to prescribe bupropion hydrochloride extended-release tablets, (SR) which were provider and yet decide to prescribe bupropion hydrochloride extended-release tablets, (SR) for longer than 12 weeks to help you stop smoking. Follow your healthcare provider's instructions.

Swallow bupropion hydrochloride extended-release tablets, (SR) if you do, the medicine will be released into your body too quickly. If this happens you may be more likely to get side effects including seizures. Fell your healthcare provider if you cannot swallow tablets.

Bupropion hydrochloride extended-release tablets, (SR) with get side effects including seizures. Fell your healthcare provider if you cannot swallow tablets.

Bupropion hydrochloride extended-release tablets, (SR) alt least 8 hours apart.

You may take bupropion hydrochloride extended-release tablets, (SR) with or without food.

It is not dangerous to smoke and take bupropion hydrochloride extended-release tablets, (SR) and nicotine patches to gether under the care of your healthcare provider. Using bupropion hydrochloride extended-release tablets, (SR) and nicotine patches together unde

What should I avoid while taking bupropion hydrochloride extended-release tablets, (SR)?

• Limit or avoid using alcohol during treatment with bupropion hydrochloride extended-release tablets, (SR). If you usually drink a lot of alcohol, talk with your healthcare provider before suddenly stopping. If you suddenly stop drinking alcohol, you may increase your chance of having seizures.

• Do not drive a car or use heavy machinery until you know how bupropion hydrochloride extended-release tablets, (SR) affects you. Bupropion hydrochloride extended-release tablets, (SR) affect your ability to do these things safely.

Tell your healthcare provider right away about any side effects that bother you

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 bupropion hydrochloride extended-release tablets, (SR)?

• Store bupropion hydrochloride extended-release tablets, (SR) at room temperature between 68°F and 77°F (20°C to 25°C).

• Keep bupropion hydrochloride extended-release tablets, (SR) dry and out of the light.

General information about the sate and effective use of supproprint hydrochronic Calculation (SiR) Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use bupropion hydrochloride extended-release tablets, (SR) for a condition for which it was not prescribed. Do not give bupropion hydrochloride extended-release tablets, (SR) to other people, even if they have the same symptoms you have. It may harm them.

If you take a urine drug screening test, bupropion hydrochloride extended-release tablets, (SR) may make the test result positive for amphetamines. If you tell the person giving you the drug screening test that you are taking burpopion hydrochloride extended-release tablets, (SR), they can do a more specific drug screening test that should not have this problem.

For more information about bupropion hydrochloride extended-release tablets, (SR), call

Inactive ingredients: copovidone, cysteine hydrochloride, hypromellose, magnesium stearate, microcrystalline cellulose, polyethylene glycol, polysorbate 80, titanium dioxide, FD&C Blue No.2 Lake and FD&C Red No. 40 Lake. This Medication Guide has been approved by the U.S. Food and Drug Administration.

You can ask your pharmacist or doctor for information about **bupropion hydrochloride extended-release tablets**, **(SR)** or call 1-888-375-3784.

Dr.Reddy's