

enzymes, often requiring an increase in dose. Information about drugs interacting with tobacco smoke can be found under *Interactions* of the relevant drug monograph.

### Useful Resources

Stop smoking interventions and services. National Institute for Health and Care Excellence. NICE guideline 92. March 2018.

[www.nice.org.uk/guidance/ng92](http://www.nice.org.uk/guidance/ng92)

Smoking: harm reduction. National Institute for Health and Care Excellence. Public health guidance 45. June 2013.

[www.nice.org.uk/guidance/ph45](http://www.nice.org.uk/guidance/ph45)

National Centre for Smoking Cessation and Training. [www.ncscot.co.uk](http://www.ncscot.co.uk)

## ANTIDEPRESSANTS > SEROTONIN AND NORADRENALINE RE-UP TAKE INHIBITORS

### Bupropion hydrochloride (Amfebutamone hydrochloride)

08-Jun-2018

#### ● INDICATIONS AND DOSE

To aid smoking cessation in combination with motivational support in nicotine-dependent patients

##### ▶ BY MOUTH

- Adult: Initially 150 mg daily for 6 days, then 150 mg twice daily (max. per dose 150 mg), minimum 8 hours between doses; period of treatment 7–9 weeks, start treatment 1–2 weeks before target stop date, discontinue if abstinence not achieved at 7 weeks, consider maximum 150 mg daily in patients with risk factors for seizures; maximum 300 mg per day
- Elderly: 150 mg daily for 7–9 weeks, start treatment 1–2 weeks before target stop date, discontinue if abstinence not achieved at 7 weeks; maximum 150 mg per day

● **CONTRA-INDICATIONS** Acute alcohol withdrawal · acute benzodiazepine withdrawal · bipolar disorder · CNS tumour · eating disorders · history of seizures · severe hepatic cirrhosis

● **CAUTIONS** Alcohol abuse · diabetes · elderly · history of head trauma · predisposition to seizures (prescribe only if benefit clearly outweighs risk)

● **INTERACTIONS** → Appendix 1: bupropion

#### ● SIDE-EFFECTS

- ▶ **Common or very common** Abdominal pain · anxiety · concentration impaired · constipation · dizziness · dry mouth · fever · gastrointestinal disorder · headache · hyperhidrosis · hypersensitivity · insomnia (reduced by avoiding dose at bedtime) · nausea · skin reactions · taste altered · tremor · vomiting
- ▶ **Uncommon** Appetite decreased · asthenia · chest pain · confusion · tachycardia · tinnitus · vasodilation · visual impairment
- ▶ **Rare or very rare** Angioedema · arthralgia · behaviour abnormal · bronchospasm · delusions · depersonalisation · dyspnoea · hallucination · hepatic disorders · irritability · memory loss · movement disorders · muscle complaints · palpitations · paraesthesia · parkinsonism · postural hypotension · seizure · sleep disorders · Stevens-Johnson syndrome · syncope · urinary disorders
- ▶ **Frequency not known** Anaemia · hyponatraemia · leucopenia · psychosis · suicidal tendencies · thrombocytopenia
- **PREGNANCY** Avoid—no information available.
- **BREAST FEEDING** Present in milk—avoid.
- **HEPATIC IMPAIRMENT** Manufacturer advises use with caution—monitor closely for adverse effects; avoid in severe cirrhosis.

**Dose adjustments** Manufacturer advises reduce dose to 150 mg daily in mild to moderate impairment

#### ● RENAL IMPAIRMENT

**Dose adjustments** Reduce dose to 150 mg daily.

● **MONITORING REQUIREMENTS** Manufacturer advises monitor blood pressure before and during treatment.

● **PATIENT AND CARER ADVICE** Manufacturer advises patients and carers should be instructed to report any clinical worsening of depression, suicidal behaviour or thoughts and unusual changes in behaviour.

**Driving and skilled tasks** Manufacturer advises patients and carers should be counselled on the effects on driving and performance of skilled tasks—increased risk of dizziness and light-headedness.

● **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug.

#### Modified-release tablet

CAUTIONARY AND ADVISORY LABELS 25

▶ **Zyban** (GlaxoSmithKline UK Ltd)

**Bupropion hydrochloride 150 mg** Zyban 150mg modified-release tablets | 60 tablet [PoM] £41.76 DT = £41.76

## NICOTINIC RECEPTOR AGONISTS

### Nicotine

#### ● INDICATIONS AND DOSE

**Nicotine replacement therapy in individuals who smoke fewer than 20 cigarettes each day**

##### ▶ BY MOUTH USING CHEWING GUM

Adult: 2 mg as required, chew 1 piece of gum when the urge to smoke occurs or to prevent cravings, if attempting smoking cessation, treatment should continue for 3 months before reducing the dose

##### ▶ BY SUBLINGUAL ADMINISTRATION USING SUBLINGUAL TABLETS

Adult: 1 tablet every 1 hour, increased to 2 tablets every 1 hour if required, if attempting smoking cessation, treatment should continue for up to 3 months before reducing the dose; maximum 40 tablets per day

**Nicotine replacement therapy in individuals who smoke more than 20 cigarettes each day or who require more than 15 pieces of 2-mg strength gum each day**

##### ▶ BY MOUTH USING CHEWING GUM

Adult: 4 mg as required, chew 1 piece of gum when the urge to smoke occurs or to prevent cravings, individuals should not exceed 15 pieces of 4-mg strength gum daily, if attempting smoking cessation, treatment should continue for 3 months before reducing the dose

**Nicotine replacement therapy in individuals who smoke more than 20 cigarettes each day**

##### ▶ BY SUBLINGUAL ADMINISTRATION USING SUBLINGUAL TABLETS

Adult: 2 tablets every 1 hour, if attempting smoking cessation, treatment should continue for up to 3 months before reducing the dose; maximum 40 tablets per day

#### Nicotine replacement therapy

##### ▶ BY INHALATION USING INHALATOR

Adult: As required, the cartridges can be used when the urge to smoke occurs or to prevent cravings, individuals should not exceed 12 cartridges of the 10-mg strength daily, or 6 cartridges of the 15-mg strength daily

##### ▶ BY MOUTH USING LOZENGES

Adult: 1 lozenge every 1–2 hours as required, one lozenge should be used when the urge to smoke occurs, individuals who smoke less than 20 cigarettes each day should usually use the lower-strength lozenges; individuals who smoke more than 20 cigarettes each day and those who fail to stop smoking continued →