

SMOKING CESSATION

Counseling at every visit Nicotine Replacement: Nicotine gum-OTC, Nicotine patch-Rx and OTC, Nicotine lozenge-OTC, Nicotine nasal spray-Rx, Nicotine inhaler-Rx Antidepressant-Bupropion Sr Varenicline *All spirometry values (FE\and FVC) are post-bronchodilator values

Source: Reprinted with permission from the Global Initiative for Chronic Obstructive Lung Disease (GOLD) www.goldcopd.org - 2006

Endorsed by: National Lung Health Education Program, COPD Foundation, Jo-Ann LeBuhn Center for Chest Disease, NewYork-Presbyterian Hospital.

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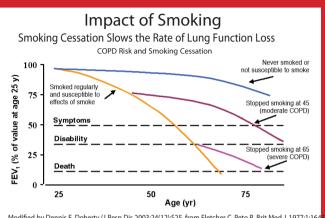
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National Lung Health Education Program

THE COPD POCKET CONSULTANT



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Consider a COPD Diagnosis

• Chronic Cough:

Present intermittently or every day. Often present throughout the day; seldom only nocturnal

• Chronic sputum production:

Any pattern of chronic sputum production may indicate COPD

- Age>40
- Dyspnea that is:

Progressive (worsens over time)

Persistent (present every day)

Worse on exercise

Worse during respiratory infections.

• History of exposure to risk factors:

Tobacco smoke

Occupational dusts and chemicals

Smoke from home cooking and heating fuel

DO SPIROMETRY to DIAGNOSE COPD

Commonly Used Formulations of Drugs for COPD

| Drug | Inhaler (mcg) | Solution for Nebulizer (mg) | Oral | Vials for Injection | Duration of Action (hours |
|----------------------------|----------------------|-------------------------------------|----------------------|---------------------|------------------------------|
| Beta 2 Agonist | | tina | | | ` |
| Albuterol | 90 (HFA-MDI) | | 4mg (Pill) | | 4-6 |
| Levalbuterol | 45 (HFA-MDI) | 0.31/3 ml 0.63/3 ml 1.25/3 ml | | | 6-8 |
| Beta 2 Agonist | s Long Act | ing | | | |
| Formoterol | 12 (DPI) | | | | 12+ |
| Salmeterol | 50 (DPI) | | | | 12+ |
| Arformoterol | | 15 mcg/2ml | | | 12+ |
| Anticholinergio | <u>cs</u> - Short-Ac | ting | | | |
| Ipratropium Bromide | 17 (HFA-MDI) | 0.5/2 ml | | | 4-6 |
| Anticholinergio | <u>cs_</u> - Long-Ac | ting | | | |
| Tiotropium | 18 (DPI) | | | | 24+ |
| Combination s | hort-acting B | 2-agonists p | lus antich | olinergio | : |
| Albuterol / Ipratropium | 90/18 (CFC-MDI) | 3/0.5/3 ml | | | 4-6 |
| Methylxanthin | es | | | | |
| Aminophylline | | | | + | Variable |
| Theophylline (SR) | | | 100-600 mg (Pill) | | Variable, up to 24 |

| Drug | Inhaler (mcg) | Solution for Nebulizer (mg) | Oral | Vials for Injection | Duration of Action (hours |
|----------------------------------|------------------------------------|--------------------------------|--|------------------------|------------------------------|
| Inhaled Glucoc | orticosteroid | s | | | |
| Beclomethasone* | 40, 80 (HFA-MDI) | | | | 12 |
| Budesonide* | 90, 180, 200 (DPI) | 0.25/2 ml 0.5/2 ml | | | 12 |
| Fluticasone* | 44-220 (HFA) 50 (DPI) | | | | 12 |
| Mometasone* | 220 (DPI) | | | | 24 |
| Triamcinolone* | 100 (MDI) | | | | 12 |
| Combination L | ong Acting B | 2-Agonists Pl | us Gluco | corticoste | eroids |
| Budesonide / Formoterol* | 80/4.5 and 160/4.5 (HFA) | | | | 12 |
| Fluticasone / Salmeterol | 100/50* 250/50 500/50* (DPI) | | | | 12 12 12 |
| Fluticasone / Salmeterol* | 45/21 115/21 230/21 (HFA) | | | | 12 12 12 |
| Systemic Gluco | corticosteroi | ds: For Exace | rbations | | |
| Prednisone Methyl- Prednisolone | 10-2000 mg | | 5-60 mg (Pill) 4, 8, 16 mg (Pill) | + | |

HFA - Hydrofluoroalkane MDI - Metered Dose Inhaler DPI - Dry Powder Inhaler