## DENTAL HYGIENISTS: SCREEN FOR SLEEP APNEA

Obstructive sleep apnea (OSA) is partial or complete obstruction of the airway during sleep. (1) OSA affects sleep quality and is linked with overall health and conditions like periodontal disease because oxidative stress raises the level of inflammatory cytokines in the bloodstream, contributing to chronic inflammation. (2) OSA and periodontal disease share similar risk factors like diabetes, tobacco smoking, and obesity. (3) Mouth breathing due to OSA increases **xerostomia**, in turn

increasing periodontal pathogens. (3)

The incidence of severe periodontitis is

7x greater



in clients with moderate to severe OSA than clients without. (1)

## **Role of the RDH**

- Screen for warning signs
- Educate clients about risks
- Advocate for referrals
- Think critically about OSA

Up to 49% of men and 23% of women have OSA, and many don't know. (1)





## **Associated Risks (2)**

- Reduced cognitive functioning
- Mental illness
- Abnormal glucose metabolism
- Hypertension
- Coronary artery disease
- Stroke
- Arrhythmias

## OSA Screening

snoring

high BMI (>35)

age over 50

obstruction during sleep

neck circumference (>40 cm)

high blood pressure

daytime tiredness

gender (male)

Refer to MD if five or more symptoms are present

FOR MORE INFORMATION ON SIGNS AND SYMPTOMS OF OSA, visit HealthLinkBC.ca

