Obesity-hypoventilation syndrome (Pickwickian syndrome) in children (OHS)

Please complete the following sections for the case identified above. Strict confidentiality of information will be assured.

CASE DEFINITION FOR OBESITY-HYPOVENTILATION SYNDROME (PICKWICKIAN SYNDROME) IN CHILDREN

Report any new patient less than 18 years of age with the following clinical features:

- Weight: >95th percentile for age
- BMI: >95th percentile for age, or >30 kg/m²
- Nocturnal: sleep apnea, i.e., snoring, restless sleep, mouth-breathing
- Excessive daytime drowsiness: falling asleep in class, or at other inappropriate times.

plus at least two of the following:

- Hypercapnia: serum bicarb >27 meq/L
- PaCO₂: >45 mm Hg (arterial or capillary gases, obtained in daytime)
- Oxygen saturation: <92%, in awake state, and room air

Exclusion criteria

- Primary lung diseases, e.g., cystic fibrosis, bronchiectasis. (Asthma is not an exclusion.)
- Hypothyroidism
- Cushing’s syndrome
- Prader-Willi syndrome
- Primary cardiac diseases, congenital or acquired (e.g., viral myocarditis)
- Congenital craniofacial abnormalities (e.g., Alpert, Cohen, Carpenter, Crouzon syndromes)
- Pseudohypoparathyroidism (Albright hereditary osteodystrophy)
- Laurence-Moon-Biedl syndrome
- Central hypoventilation syndrome (Ondine’s disease)

Month first seen _____________________

SECTION 1 – DEMOGRAPHIC INFORMATION

1.1 Date of birth: ____ / ____ / ______ 1.2 Sex: Male ___ Female ___
   DD     MM      YYYY
1.3 Province/Territory of residence: ___________________________
1.4 Postal code of home address – first three digits only:  __  __  __
1.5 Ethnicity
   First Nations ___    Innu ___    Inuit ___    Métis ___    Chinese ___    Japanese ___
   Other Oriental ___    East Indian ___    Black ___    Caucasian ___    Latin American ___
   Middle Eastern ___    Other, specify: ___________________________    Unknown ___
1.6 Highest level of education
   Mother:    Public school ___    High school ___    University/college ___    Unknown ___
   Father:    Public school ___    High school ___    University/college ___    Unknown ___