

## Document 5

### Main Research in PRM Currently On-going in Hong Kong

#### Clinical

1. Chinese Herbal Medicine as adjunct therapy to oral montelukast in the treatment of mild persistent asthma in children (Kwong Wah Hospital)
2. A prediction model for worsened apnoea-hypopnea index in children with untreated obstructive sleep apnoea (KWH)
3. The association of neck circumference and severity of obstructive sleep apnoea in Chinese children (KWH)
4. The association between symptoms of ADHD as measured by TOVA and severity of obstructive sleep apnoea in snoring children (KWH)
5. The association between symptoms of ADHD as measured by PSQ and severity of obstructive sleep apnoea in snoring children (KWH)
6. The association between total skin prick test size and severity of obstructive sleep apnoea in snoring children (KWH)
7. The associations among insulin resistance, metabolic syndrome, obesity and obstructive sleep apnoea in snoring children (KWH)
8. Longitudinal changes in apnoea-hypopnea index and ambulatory blood pressure parameters in children with mild obstructive sleep apnoea (KWH)
9. Nasal response to inhaled corticosteroids in unstable asthmatics (Prince of Wales Hospital)
10. Relationship between recurrent wheeze and indoor air pollution (PWH)
11. Use of inhaled corticosteroids in acute cough (PWH)
12. Roles of exhaled nitric oxide in the management of childhood asthma (PWH)
13. Respiratory viruses and asthma exacerbation in Hong Kong children (PWH)
14. Treatment of mild childhood obstructive sleep apnoea (PWH)
15. Family studies in childhood obstructive sleep apnoea (PWH)
16. Family studies in insomnia (PWH)
17. Cardiovascular complications in children with obstructive sleep apnoea (PWH)
18. Natural history of obstructive sleep apnoea (PWH)
19. Sleep ecology in pre-schoolers (PWH)
20. Ventilation and perfusion issues in ARDS (PWH)
21. Ventilation and perfusion issues in meconium aspiration syndrome (PWH)

22. Non-compliance issues in life threatening asthma in PICU (PWH)
23. Streptococcus infections in PICU (PWH)
24. Recurrent wheeze in preschool children (United Christian Hospital)
25. Different modalities of treatment of children with primary spontaneous pneumothorax (UCH)
26. Adenovirus respiratory infection in hospitalized children in Hong Kong (Queen Mary Hospital)
27. Excessive sleepiness in school age children referred for obstructive sleep apnoea evaluation (QMH)
28. Respiratory management in infants with myotonic dystrophy (QMH)
29. Quality of life in Children with Chronic Allergic Respiratory Diseases (QMH)
30. Effect of methotrexate on lung function in children with juvenile idiopathic arthritis (QMH)

### **Laboratory**

1. Systemic inflammation in children with unstable asthma (PWH)
2. Use of interferon-gamma release assay in the diagnosis of childhood tuberculosis (PWH)
3. Immune dysregulation in childhood asthma and allergy (PWH)
4. Comparative immunogenetics of childhood asthma and eczema (PWH)
5. Animal model of obstructive sleep apnoea (PWH)

### **Epidemiological**

1. Natural history of sleep bruxism: epidemiology (KWH)
2. Natural history of habitual snoring: epidemiology (KWH)
3. Longitudinal changes in asthma and allergy epidemiology: The ISAAC collaborative study (PWH)
4. Prevalence of allergic rhinitis (PWH)
5. Epidemiology of bronchiolitis (PWH)
6. The epidemiology of human swine influenza (H1N1) in a regional hospital (UCH)
7. Air pollution and respiratory child health (QMH)
8. Environmental tobacco smoke and child health (QMH)