Chapter 2 – Clinical Requirements

# Problem

As highlighted in chapter 1, currently there is no home based intra oral system for capturing the airway dynamics during sleep apnoea for clinical diagnosis of sleep apnoea.

# Objectives

The objectives of this chapter is to specify the specification of a home based intra oral sleep apnoea system for clinical diagnosis of sleep apnoea

# Method

In order to achieve the chapter objective, the following aspect of a home based oral sleep apnea system was evaluated:

1. Camera size
2. Megapixel count
3. Image quality
4. Shutter lag
5. Weight
6. Design
7. Zoom lens
8. Image stabilisation
9. Raw mode
10. Manual focus
11. Storage
12. Battery life
13. Wireless features
14. Camera holder

# Results

10 key parameters have been specified for a home based intra oral sleep apnoea system for clinical diagnosis of sleep apnoea

# Conclusion

The design and development of a home based intra oral sleep apnoea system for clinical diagnosis of sleep apnoea must achieve 10 key design parameters.