AUSTRALIAN & NEW ZEALAND SOCIETY OF RESPIRATORY SCIENCE INC.

(www.anzsrs.org.au**)**

Leading Respiratory Science in Australasia through the 21st Century

Spirometry Training Course Evaluation

Reviewers Name:
Names of others on review panel:

Principal Applicant:
Organisation:

Date application forwarded:
Date course reviewed:
Course Endorsed Yes
Course Endorsed No (complete recommendation section)
Date result of review forwarded to Chair of Spirometry training Course Committee:

Date Chair forwarded result to ANZSRS and TSANZ societies:

Information included (Please tick or cross)

- ☐ Course Co-ordinator
- ☐ Course Outline
- ☐ Course objectives
- ☐ Course Timetable
- ☐ Course material, handouts, suggested pre reading documents
- ☐ Assessment material (e.g copy of exam papers)
- ☐ Course Evaluation form
- ☐ Duration of course
- ☐ Ratio of participants to demonstrators
- ☐ Other material supporting adherence to the core objectives
- ☐ CV(s) of Principal Applicant(s)
- ☐ Copies of qualifications for all tutors involved with the course

Compliant with endorsement requirements Y / N

Spirometry Training Course Endorsement is granted provided the following five conditions are met.

1. The application form and fee has been registered through the ANZSRS Executive.

2. The Principal applicant can demonstrate their competency and experience to coordinate the teaching of Spirometry knowledge and skills. Additional tutors are competent in spirometry measurement.

3. All required documents are included with the application.

4. An overall score of at least 90% for the inclusion of the core components in the course manual.

5. A pass in each of the 9 sections.

Recommendations

A: Course Endorsement requirements have been met? Y / N

OR

B: Additional material needed to meet minimum core content requirement:

Core components of a Spirometry Training Course

Enter the score for each section in the box (__ score Y or N)

1. **Introduction** / 6
   - What is spirometry? ___
   - Definition ___
   - History ___
   - Vol-time & flow-volume curves ___
   - International standards for Spirometry (ATS/ERS Task Force 2005) ___
   - Definitions of spirometric indices (eg FEV_1, FVC, FEV_1/FVC) ___

2. **Purpose of spirometry** / 3
   - Physiology of spirometry test ___
   - Indications for testing ___
   - Contraindications for testing ___

3. **Spirometers** / 5
   - Volume based ___
   - Flow based ___
   - Relative merit of each type of spirometer ___
   - Minimum performance requirements ___
   - Design specifications ___

4. **Calibration** / 6
   - Definition ___
   - Accuracy limits ___
   - Linearity ___
   - Frequency ___
   - 3L syringe ___
   - Biological control ___

5. **Test Performance** / 14
   - Instruction to patient ___
   - Demonstration ___
   - Performance of manoeuvre
     - Expiratory curve ___
     - FV loop ___
     - Slow manoeuvre ___
   - Acceptability Criteria ___
   - Reproducibility Criteria ___
   - Reversibility Assessment
     - Choice of bronchodilator ___

- Withholding medication ___
- Method of administration ___
- Time for peak efficacy ___

- BTPS correction ___
- Troubleshooting
  - Instrument ___
  - Patient ___

6. **Selection of Best Test** / 2
   - Indices ___
   - Curve ___

7. **Predicted Reference Values** / 4
   - Definition ___
   - Normal range (LLN) ___
   - Selection of suitable reference equations ___
   - Limitations of reference equations ___

8. **Interpretation** / 5
   - Technical comments ___
   - Diagnostic pattern ___
   - Assessment of severity ___
   - Reversibility ___
   - Serial trend ___

9. **Quality Assurance** / 5
   - Ongoing Training ___
   - Infection Control ___
   - Equipment stability ___
   - Record Keeping
     - Patient data ___
     - Equipment documents ___

Total Score: / 50