



**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 FEV₁, FVC, FEV₁/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**

- Indices _____ / 2
- Curve _____

7. **Predicted Reference Values**

- Definition _____ / 4
- Normal range (LLN) _____
- Selection of suitable reference equations _____
- Limitations of reference equations _____

8. **Interpretation**

- Technical comments _____ / 5
- Diagnostic pattern _____
- Assessment of severity _____
- Reversibility _____
- Serial trend _____

9. **Quality Assurance**

- Ongoing Training _____ / 5
- Infection Control _____
- Equipment stability _____
- Record Keeping _____
 - Patient data _____
 - Equipment documents _____

Total Score: / 50