



BASIC CERTIFICATE COURSE FOR WHO LABORATORY MANUAL: 6TH EDITION

4 December 2021 – 19 February 2022

The Basic Certificate Course aims to introduce the WHO Laboratory Manual for the Examination and Processing of Human Semen, 6th Edition, which was published earlier in July 2021.

The certificate course comprises of 6 modules. The first 5 modules are designed to cover the entire content of the 6th edition WHO manual while the last module will discuss the manual from the point of view of clinical applications and implications.

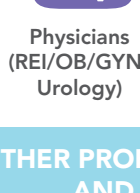
The course modules are developed with an intention to elaborate on the principles, techniques and protocols as well as recommendations provided in the latest edition of the WHO manual.

The attainment of this certificate validates that the recipient's knowledge of the "WHO Laboratory Manual for the Examination and Processing of Human Semen, 6th Edition" is satisfactory.

WHO SHOULD ATTEND?



ART Lab Professionals



Physicians (REI/OB/GYN/Urology)



Geneticists



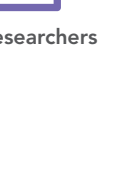
Clinic Managers



Nurses



Genetic Counsellors



Researchers

OTHER PROFESSIONS RELEVANT TO REPRODUCTIVE MEDICINE AND BIOLOGY ARE ALSO WELCOME TO ATTEND.

COURSE OUTLINE AND SCHEDULE

COURSE MODULE	DATE	TIME
1 Introduction to the 6th Edition of the WHO Laboratory Manual for the Examination and Processing of Human Semen	4 December 2021	1pm – 2.30pm GMT+8
2 Semen Examination – Basic, Extended and Advanced	18 December 2021	6pm – 7.30pm GMT+8
3 Sperm Preparation Techniques	8 January 2022	12pm – 1.30pm GMT+8
4 Cryopreservation of Spermatozoa	22 January 2022	12pm – 1.30pm GMT+8
5 Quality Assurance and Quality Control	5 February 2022	3pm – 4.30pm GMT+8
6 Clinical Applications and Implications of the Revised WHO Semen Manual	19 February 2022	3pm – 4.30pm GMT+8

CERTIFICATE ASSESSMENTS

To successfully achieve the course certificate of completion, participants are required to:

- Fully attend all 6 course modules
- Complete a pre-test* and a post-test* per module
- Complete final examination* with minimum passing grade of 70% [two attempts allowed]

*Tests and examination have to be completed by stipulated deadline.

ENTRY REQUIREMENTS

- Proficient in understanding English language
- Applicants will be asked to submit:
 - A copy of applicant's highest obtained diploma in medical, biological or natural science [BSc, MSc, MD, MBBS, PhD, or DVM] - official English version or translated version
 - A scanned copy of identification document
 - Curriculum Vitae listing clinical ART experience and current job appointment(s)

COURSE FEES

ASPIRE Member*	USD 100
Non-ASPIRE Member*	USD 200

*Applicant's membership has to be valid until 2022

For more information on the certificate course, visit www.aspire-reproduction.org/aspire-certification-course/

CERTIFICATE COURSE REGISTRATION

TO REGISTER CLICK HERE: [HTTPS://BIT.LY/ASPIREREGFORM](https://bit.ly/ASPIREREGFORM) OR SCAN QR CODE ON THE RIGHT



WEBINAR MODULES ON WHO MANUAL: 6TH EDITION

The webinar modules are also open to participants who are interested to attend the session(s) without committing to the course. A certificate of attendance will be provided only as a proof of attendance to participants who have attended at least 50% of each webinar session.

REGISTRATION FEES

ASPIRE Member	Non-ASPIRE Member
FREE	USD 65 per webinar module

DETAILS OF WEBINAR MODULES

MODULE 1:

INTRODUCTION TO THE 6TH EDITION OF THE WHO LABORATORY MANUAL FOR THE EXAMINATION AND PROCESSING OF HUMAN SEMEN

DATE: 4 DECEMBER 2021 • TIME: 1.00PM – 2.30PM GMT+8

LEARNING OUTCOME

Participants will get the whole picture of the history and background of the sixth edition, and the character of this edition, as well as the differences between the 5th edition and the 6th edition of the WHO Laboratory Manual.

MODULE OUTLINE

Chairpersons: Professor Chi Ling (Hong Kong)
Professor Gwo-Jang Wu (Taipei, Taiwan)

SPEAKERS & TOPICS:

- Historical background**
Speaker: Dr Haroon Latif (Lahore, Pakistan)
CEO, Lahore Institute of Fertility & Endocrinology
- Overview of the new manual**
Speaker: Professor Christopher Barratt (Scotland, United Kingdom)
Head of the Reproductive Medicine Group, University of Dundee
- Differences between 5th and 6th manual editions**
Speaker: Professor De-Yi Liu (Melbourne, Australia)
Senior Research Fellow, University of Melbourne

Register here for module 1: <https://bit.ly/ASPIRECertCourse-WHO6thEd-Mod1>

MODULE 2:

SEMEN EXAMINATION – BASIC, EXTENDED AND ADVANCED

DATE: 18 DECEMBER 2021 • TIME: 6.00PM – 7.30PM GMT+8

LEARNING OUTCOME

Participants will learn the basic, extended, and advanced semen examination methods in a clinical or research setting described in this newest manual.

MODULE OUTLINE

Chairperson: Dr Keshav Malhotra (Agra, India)

- Basic examination**
Speaker: Professor Lars Björndahl (Stockholm, Sweden)
Head of Andrology Laboratory
ANOVA – Karolinska University Hospital & Karolinska Institutet
- Sperm DNA fragmentation, genetics and genomic tests**
Speaker: Professor Gwo-Jang Wu (Taipei, Taiwan)
Chair, ASPIRE Male Infertility Special Interest Group
- Antibodies, biochemical assays, sequence of ejaculation, ROS**
Speaker: Professor Ashok Agarwal (Cleveland, USA)

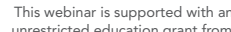
Register here for module 2: <https://bit.ly/ASPIRECertCourse-WHO6thEd-Mod2>

MODULE 3:

SPERM PREPARATION TECHNIQUES

DATE: 8 JANUARY 2022 • TIME: 12PM – 1.30PM GMT+8

This webinar is supported with an unrestricted education grant from



IrvineScientific

LEARNING OUTCOME

Participants will learn the basic principles, bench techniques and handling tricks of sperm preparation introduced by this newest manual.

MODULE OUTLINE

Chairperson: Professor Gwo-Jang Wu (Taipei, Taiwan)

- General principles**
Speaker: Professor Chi Ling (Hong Kong)
Chair, ASPIRE Embryology Special Interest Group
- Common techniques used in the laboratory**
Speaker: Professor Arthur Chang (Texas, USA)
Director, Clinical ART Laboratories at UT Health Reproductive Health & Fertility Center
- Special samples (MACS)**
Speaker: Dr Keshav Malhotra (Agra, India)
Director, RAINBOW Hospitals

Register here for module 3: <https://bit.ly/ASPIRECertCourse-WHO6thEd-Mod3>

MODULE 4:

CRYOPRESERVATION OF SPERMATOZOA

DATE: 22 JANUARY 2022 • TIME: 12PM – 1.30PM GMT+8

LEARNING OUTCOME

Participants will learn the general principles of sperm cryo-storage and common techniques of cryopreservation, as well as the management of special semen samples introduced by this newest manual.

MODULE OUTLINE

Chairperson: Professor Arthur Chang (Texas, USA)

- General principles**
Speaker: Professor Yuji Endo (Kurashiki, Japan)
Chief Embryologist, Kurashiki Medical Clinic
- Common techniques used in the laboratory**
Speaker: Dr Halil Ruso (Ankara, Turkey)
Senior Clinical Embryologist, Gurgan IVF Clinic
- Special samples**
Speaker: Professor Atsushi Tanaka (Fukuoka, Japan)
Director, Saint Mother Hospital

Register here for module 4: <https://bit.ly/ASPIRECertCourse-WHO6thEd-Mod4>

MODULE 5:

QUALITY ASSURANCE AND QUALITY CONTROL

DATE: 5 FEBRUARY 2022 • TIME: 3PM – 4.30PM GMT+8

LEARNING OUTCOME

Participants will learn how to set up a QC/QA system in an andrology lab, and how to prevent errors, how to perform troubleshooting, as well as how to set up a clinical andrologist training program described in this newest manual.

MODULE OUTLINE

Chairperson: Dr Haroon Latif (Lahore, Pakistan)

- QC and QA in andrology laboratory**
Speaker: Professor Arief Boediono (Jakarta, Indonesia)
Lab Director, Morula Indonesia
- Errors and troubleshooting in andrology laboratory**
Speaker: Dr Nelson Holiva (Jeddah, Saudi Arabia)
IVF Laboratory Manager, International Medical Center
- Standardization and external quality control for semen analysis as exemplified by the German QuaDeGA system**
Speaker: Emeritus Professor Eberhard Nieschlag (Münster, Germany)

Register here for module 5: <https://bit.ly/ASPIRECertCourse-WHO6thEd-Mod5>

MODULE 6:

CLINICAL APPLICATIONS AND IMPLICATIONS OF THE REVISED WHO SEMEN MANUAL

DATE: 19 FEBRUARY 2022 • TIME: 3PM – 4.30PM GMT+8

LEARNING OUTCOME

Participants will acquire the shared information and experiences from speakers on how to implement the newest manual to clinical practice.

MODULE OUTLINE

Chairperson: Dr Virgilio Novero (Manila, Philippines)

- A Laboratory Perspective**
Speaker: Dr Sally Catt (Melbourne, Australia)
Senior Lecturer, Monash University
- A Urologist's Perspective**
Speaker: Dr Rupin Shah (Mumbai, India)
Urologist, Lilavati Hospital
- A Fertility Specialist's Perspective**
Speaker: Professor Atsushi Tanaka (Fukuoka, Japan)
Director, Saint Mother Hospital

Register here for module 6: <https://bit.ly/ASPIRECertCourse-WHO6thEd-Mod6>

For enquiries, please contact secreariat@aspire-reproduction.org

www.aspire-reproduction.org