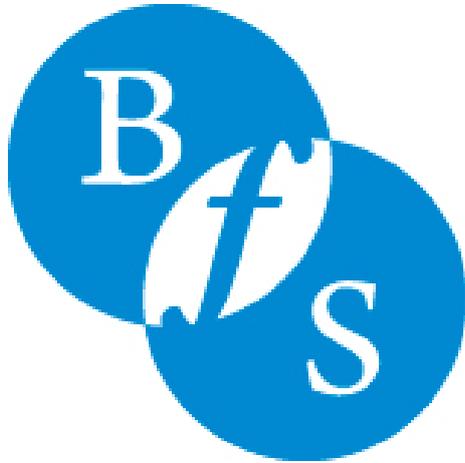


Training Module in Male Fertility



British
Fertility
Society

Published by the British Fertility Society
© British Fertility Society 2016

Introduction

The modern management of male infertility is an essential component to the training of clinicians working in this specialist area. It is also relevant to andrologists, embryologists and nurses working in reproductive medicine.

This course compliments the BFS advanced training skills module in Male Fertility and is aimed towards clinicians.

Once trained, the trainee should have:

Acquired an understanding of:

- i. The epidemiology and aetiology of male factor infertility
- ii. The anatomy and physiology of the male reproductive system
- iii. Erectile dysfunction and ejaculatory dysfunction

Developed the capacity to:

- i. Clinically assess (including physical examination) patients with male fertility
- ii. Arrange appropriate investigation for male factor infertility
- iii. Interpret the results of investigations, including hormonal assessment, genetics investigations and semen analysis
- iv. Appropriately counsel couples who need fertility treatment
- v. Communicate with and refer appropriately to colleagues in reproductive medicine, working in tertiary care
- vi. Counsel patients on assisted reproductive techniques
- vii. Counsel patients regarding surgical interventions for male factor infertility (reconstruction, varicocele treatment and surgical sperm retrieval)
- viii. Counsel patients appropriately on male and female contraception

Acquired expertise and knowledge of:

- i. Assisted reproductive techniques
- ii. Legal and ethical issues pertinent to reproductive medicine
- iii. The role of the Andrologist and Embryologist in reproductive medicine
- iv. Donor insemination

Entry Criteria

The following criteria must be satisfied:

- The trainee must be working as a higher surgical trainee (Urology) or Gynaecology (*need to clarify this*)
- The trainee must have the approval of a tertiary level fertility unit (IVF), who will act as the training centre
- The trainers must be working in or have an affiliation to a tertiary level fertility unit. If a sole trainer does not have the requisite skills to complete all aspects of training then two supervisors would be acceptable

Registration for the training module can only be made when the above has taken place.

Training program components

The following are essential components of the training program and all of them must be completed:

Trainees should register at the commencement of special skills training with the BFS and the Trainer(s) should support the application for training

The named trainers must sign an educational contract confirming that he/ she is able and willing to provide the training contained in the module. The Trainer(s) must be skilled in the management of infertile males and have the equivalent of 2 sessions per week devoted to the area. The trainer will agree to supervise the trainee throughout the module. Occasionally of necessity, some sessions will be conducted under the training of professionals other than the trainer. It is the responsibility of the trainer to ensure that the professional to whom the duty of training is delegated is sufficiently competent, willing and able to teach the trainee.

The Trainee must attend the BFS Male Fertility Study Day. The study day will complement the essential knowledge component of training for this module. The study day must be attended during the time of training and when the log book is being completed.

Training will be deemed to be complete when all components of the guide to learning have been completed to the satisfaction of the Trainer(s) and the study day has been attended. At that point all documentation will be sent to the BFS for approval and a certificate of completion will be sent if the training module has been completed satisfactorily.

The Guide to Learning

The guide to learning defines the skills required for the Male Fertility module. Completion of the guide to learning document will allow the trainer and trainee to monitor progress and identify learning needs over the course of training. It is important to note that the guide to learning is a record of **competence** as well as **experience**. The trainer and trainee will review the progress of training every month. Competence will be documented by the trainer signing the appropriate sections of the guide to learning. Progress will be documented through the trainer signing off the appropriate sections of the guide to learning when knowledge has been acquired and independent clinical competence reached, as appropriate. **It is imperative that all trainees appreciate that their progress has to meet standards that satisfy the trainer. At the end of the training programme, the trainer has to certify that the skills attained by the trainee are to his / her satisfaction.**

Application for training centre recognition and trainer's contract

To be eligible as a training centre in Male Fertility the following criteria must be met:

- The centre should have an adequate clinical workload incorporating a comprehensive range of disorders associated with infertility. Services **offered should include IVF and ICSI.**
- The trainer must agree to carry out monthly appraisal of the trainee's progress and records kept of such meetings

Trainee application for registration for the training module

Trainees seeking to register for training in the Male Fertility module should:

- Be a member of the British Fertility Society
- Undertake training over an agreed period of time, no less than six months and no more than 12 consecutive months in a unit recognised as a 'Training Centre' by the Society, under the guidance of a designated BFS trainer. Should the trainee require more than 12 months they should write to the chairman of the BFS Training Subcommittee explaining the reason for extending the training period and to agree a suitable time frame for completion.
- Provide payment of £150 upon application payable to the British Fertility Society

Certification

1. When training is complete, the Notification of Completion of Training form together with the other required information should be sent to the BFS. A certificate stating that the trainee has completed the certification module will be issued.
2. The trainee is required to submit for scrutiny:
 - the BFS Male Fertility Study Day certificate of attendance
 - the signed Guide to Learning
 - the record of appraisal
 - the notification of completion form
3. Should the Training Sub-committee not be fully satisfied of the completion of training, a written report and suggestions for remedial training will be sent to the trainer and a copy to the trainee.

Guide to Learning

The trainee should sign and date when they consider that the knowledge targets of the guide have been achieved (clear boxes). The trainer should sign off independent clinical skills competence targets (shaded boxes).

1. The Epidemiology of Infertility

The trainee should understand and be able to:

Discuss reproductive trends

Date:

Provide a pragmatic definition of infertility

Date:

Discuss the consequential differences between primary and secondary infertility

Date:

Discuss the aetiological factors implicated in the genesis of Infertility

Date:

Display knowledge of public health strategies to reduce the prevalence of infertility

Date:

Discuss the organisation of services within the NHS for the management of infertility

Date:

Section Completed

Date:

2. The Initial Assessment of the Infertile Male

The trainee should understand and be able to:

Discuss the role of the general practitioner in the management of infertile men

Date:

Conduct a clinical consultation with infertile couples

Date:

Take a medical history from infertile males

Date:

- Perform a physical examination on infertile men including:
- Examination of testes and assessment of testicular volume.
 - Examination of epididymides to detect distension.
 - Evaluation of the presence/absence of vas deferens,
 - Evaluation for the presence of varicoceles

Date:

Discuss how to initiate appropriate investigations including hormone, genetic tests and semen analysis

Date:

Discuss the role of imaging in male infertility (ultrasound and vasography)

Date:

Provide couples with lifestyle advice relevant to fertility e.g. smoking, weight, alcohol consumption

Date:

Have a basic understanding of psychosocial factors pertinent to treatment and a basic understanding of the welfare of potential children

Date:

Section Completed

Date:

3. Male Factor Infertility

The trainee should be able to demonstrate an understanding of:

The Anatomy of the male reproductive system including embryological development:

- The physiology of spermatogenesis
- The physiology of penile erection
- The physiology of ejaculation
- The assessment and treatment of ejaculatory dysfunction
- The assessment and treatment of erectile dysfunction

Date:

Lifestyle factors pertinent to male reproductive health

Date:

Section Completed

Date:

4. Female Fertility and assisted reproduction (*this will be at a fairly basic level for urologists*)

The trainee should be able to demonstrate an understanding of:

The menstrual cycle and ovulation

Date:

The assessment and treatment of ejaculatory dysfunction

Date:

The impact of lifestyle factors (including weight and aging) on female fertility

Date:

The aetiology of female infertility

Date:

The basic assessment of female fertility

Date:

Donor insemination and associated regulation

Date:

Intrauterine insemination

Date:

IVF/ICSI

Date:

Section Completed

Date:

5. Male Factor Infertility (theoretical)

The trainee should be able to demonstrate an understanding of:

The aetiology of pre-testicular male sub-fertility

Date:

The aetiology of testicular male sub-fertility

Date:

The aetiology of post-testicular male sub-fertility

Date:

The interpretation of endocrine and genetic evaluation

Date:

The interpretation of semen analysis

Date:

The role of varicocele treatment on fertility

Date:

Section Completed

Date:

6. Male Factor Infertility (theoretical)

The trainee should be able to demonstrate an understanding of:

Discussion of investigation results with infertile couples and generation of a management plan

Date:

Discussion of merits of varicocele treatment with infertile couple

Date:

An understanding of the role of vasovasostomy, vaso-epididymostomy, TURED

Date:

An understanding of the role of surgical sperm retrieval (PESA, MESA, MicroTESE)

Date:

The discussion of treatment options with infertile couples when reconstructive surgery and surgical sperm retrieval are both options

Date:

The role of medical treatment in male infertility

Date:

Section Completed

Date:

7. Surgery for Male Infertility

The trainee should be able to demonstrate an understanding of:

Trainee to observe a vasal reconstruction

Date:

Trainee to observe surgical sperm retrieval for obstructive azoospermia

Date:

Trainee to observe surgical sperm retrieval for non- obstructive azoospermia

Date:

Trainee to observe treatment of varicocele (embolisation or ligation)

Date:

Section Completed

Date:

8. Contraception

The trainee should be able to demonstrate an understanding of:

Trainee to understand the process of consent for vasectomy

Date:

Trainee to have an understanding of the alternative forms of surgical and non-surgical contraception

Date:

Trainee to attend one FP clinic

Date:

Trainee to observe a vasectomy (non-scalpel technique)

Date:

Section Completed

Date:

9. Psychological Aspects of Reproductive Medicine

The trainee should be able to discuss:

The psychological changes associated with treatment of infertility

Date:

The effects of infertility upon the family

Date:

Local facilities for counselling

Date:

Psychosexual disorders causing and resultant from infertility

Date:

Section Completed

Date:

10. Ethical and Legal Aspects

The trainee should be able to discuss the ethical and legal aspects of relevant issues including:

Legislation relevant to their infertility practice

Date:

Ethics of health care provision and resource allocation

Date:

Medical confidentiality

Date:

Consent

Date:

The role and relevance of ethics committees

Date:

Section Completed

Date:

11. Administration

The trainee should be given some administrative experience and responsibility, which will allow him/her to acquire skills relevant to the future provision and organisation of clinical services in this area

Date:

Section Completed

Date:

Record of Appraisal

Date	
Learning targets achieved	
Guide to Learning progress	
Targets for next month	
Trainee signature	
Trainer signature	

Please complete and return the form preferably by email to:
bfs@profileproductions.co.uk
Or post to: BFS Secretariat C/o Profile Productions Ltd
Boston House, 67-75 Boston Manor Road, Brentford, TW89JJ
t: +44 (0)20 3725 5849 f: +44 (0) 844 507 0578



British
Fertility
Society

Notification of Completion of Training Module

(To be completed by trainer)

I certify that

.....
has completed the training module in Male Fertility to my satisfaction.
I confirm that I have had regular assessment sessions with the trainee
and each of the required skills in the logbook has been attained.

Date of commencement of practical training: __ __/__ __/__ __

Date satisfactorily completed study day __ __/__ __/__ __

Trainee name:

.....

Trainee signature: Date:.....

Trainer(s) in charge of training:

Trainer name: **Date:**.....

Trainer signature: **Department address:**.....

.....
.....
.....
.....

CHECKLIST FOR SUBMISSION OF BFS MALE FERTILITY DOCUMENTS

The following materials are required to be submitted to the Training Subcommittee for their consideration:

- Certificate of attendance from the most recent BFS Male Fertility Study Day
- Completed Guide to Learning
- Completed Appraisal Record
- Signed Notification of Completion form
- Completed Trainee Feedback form

Please do not submit your documentation until you have all elements listed above.

If you have completed the module without prior approval of the BFS Training Subcommittee please contact the BFS Office for further advice.

Please complete and return the form preferably by email to:
 bfs@profileproductions.co.uk

Or post to: BFS Secretariat C/o Profile Productions Ltd
 Boston House, 67-75 Boston Manor Road, Brentford, TW89JJ
 t: +44 (0)20 3725 5849 f: +44 (0) 844 507 0578



**British
 Fertility
 Society**

Trainee Feedback Form

Trainee name: BFS Member No:

Module Completed:

Training Centre:

Trainer Name:

	not applicable	strongly disagree	disagree	ambivalent	agree	strongly agree
I was able to complete the module in the agreed time period (6-12 months)						
I received help and support from the BFS Office as necessary						
My trainer set me realistic targets at our appraisal meetings						
I have been given appropriate feedback from my trainer on my performance						
This course has met my needs regarding my professional development						
I would recommend this certification module to my colleagues/peers						
I would recommend this training centre to my colleagues/peers						

Trainer Review

Please rate the performance of your main BFS trainer.

	very poor	poor	satisfactory	good	excellent
Approachability					
Supportive					
Teaching					
Regular and Constructive Appraisals					

If applicable please rate the performance of any additional trainers.

Trainer Name:.....

	very poor	poor	satisfactory	good	excellent
Approachability					
Supportive					
Teaching					
Regular and Constructive Appraisals					

What is the next training course that you are considering enrolling on?

.....

What other areas of training would you recommend that the BFS investigate?

.....

Other comments:

.....

.....

.....

Trainee signature:.....