



INSTITUTE OF OBSTETRICIANS
& GYNAECOLOGISTS

ADVANCED PRACTICE MODULE

URODYNAMICS



ROYAL COLLEGE OF
PHYSICIANS OF IRELAND



INSTITUTE OF OBSTETRICIANS
& GYNAECOLOGISTS

INTRODUCTION

Urodynamic investigations are an essential component in the management of women who present with lower urinary tract symptoms. This module is designed to equip individuals with the knowledge and skills required to undertake urodynamic investigations within the correct clinical context. Once the module is successfully completed a clinician should be able to;

1. Undertake an appropriate urogynaecological clinical evaluation.
2. Perform all relevant urodynamic investigations.
3. Establish a diagnosis and formulate a treatment plan.
4. Effectively communicate the information required to both the patient and colleagues.

ENTRY CRITERIA

1. The trainee must have passed the MRCPI in Obstetrics and Gynecology.
2. The trainee must be a member of the Institute of Obstetricians and Gynecologists

TRAINING PROGRAMME

1. Training should be undertaken under the supervision of a named preceptor for one year. The preceptor must be competent in undertaking urodynamic investigations and supervise at least one urodynamic session a week. The preceptor must undertake direct supervision of the trainee for the bulk of the module. The trainee may undertake a limited number of sessions under the supervision of professionals other than the preceptor. In these circumstances, it is the preceptor's duty to ensure that the profession to whom the duty of training is delegated is sufficiently confident to train the trainee.
2. The trainee should obtain an application form for the Advanced Practice Module from the administrator of the Institute of Obstetricians and Gynecologists. It should be signed by the nominated of preceptor and the head of the Department indicating that both agreement for the trainee to undertake the module.

3. The trainee should attend a theoretical course that provides the essential knowledge component of training for this module. Ideally this should be the urodynamics course run by the Institute of Urology in Bristol. It would be expected that the trainee supplement the knowledge provided on this course by reading the appropriate textbooks and current literature. The theoretical course should be undertaken during the years training module.
4. The trainee must attend a minimum of 30 urodynamic clinics and the attendance documented in the appropriate section of the logbook.
5. The trainee must write up 10 reference case reports of interesting patients, covering a range of different conditions. These should include details of the patient's assessment and diagnosis and a critical review of the urodynamic traces. Each of these case reports should be not more than a thousand words.

ASSESSMENT

On completion of the logbook it should be submitted to the Institute of Obstetricians and Gynecologists for independent assessment. Provided it is assessed as satisfactory a certificate of competence will be awarded by the Institute

SYLLABUS

BASIC SKILLS

1. History to include assessment of symptoms, severity and quality of life
2. Examination to include neurological assessment, prolapse staging, assessment of bladder neck mobility and demonstration of stress incontinence
3. Investigations prior to urodynamics including urinalysis, MSU, frequency volume charts and pad test.
4. Patient counseling prior to performing a urodynamic investigation
5. Knowledge and appropriate use of ICS terminology

SETTING UP THE EQUIPMENT

1. Calibration of flow transducers. Calibration of UPP withdrawal machine. Use of appropriate pump filling speeds.
2. Familiarity with three-way taps including flushing, zeroing and recording of pressures.

UROFLOWMETRY

1. Understand the indication for the investigation.
2. Explain the procedure to the patient
3. Correct interpretation of the results and identification of any artifacts

RESIDUAL URINE VOLUME

1. Measurement by ultrasound

2. Measurement by catheterisation

URETHRAL FUNCTION TESTS

1. Trainees should undertake a minimum of five UPP investigations. They should be in a position to explain the test to a patient. Perform the procedure and obtain good quality traces and interpret the results.

FILLING VOIDING CYSTOMETRY

1. Explain the procedure to the patient
2. Zeroing of pressure transducers
3. Perform the test in accordance with ICS recommendations in terms of catheterisation, position, filling speed, provocation tests and voiding cystometry
4. Comment on the quality of their trace obtained including any artifacts.
5. Describe and interpret the results giving an accurate diagnosis.
6. Provide appropriate treatment recommendations

RECORD OF ATTENDANCE

Clinic Number: 1 *Date:* _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

Clinic Number: 2 *Date:* _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

Clinic Number: 3 *Date:* _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		



RECORD OF ATTENDANCE

Clinic Number: 4 **Date:** _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

Clinic Number: 5 **Date:** _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

Clinic Number: 6 **Date:** _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

RECORD OF ATTENDANCE

Clinic Number: 7 **Date:** _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

Clinic Number: 8 **Date:** _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

Clinic Number: 9 **Date:** _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

RECORD OF ATTENDANCE

Clinic Number: 10 *Date:* _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

Clinic Number: 11 *Date:* _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

Clinic Number: 12 *Date:* _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		



RECORD OF ATTENDANCE

Clinic Number: 13 **Date:** _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

Clinic Number: 14 **Date:** _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

Clinic Number: 15 **Date:** _____

Patient No.	Investigation	Diagnosis
1		
2		
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5		

RECORD OF ATTENDANCE

Clinic Number: 16 **Date:** _____

Patient No.	Investigation	Diagnosis
1		
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5		

Clinic Number: 17 **Date:** _____

Patient No.	Investigation	Diagnosis
1		
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5		

Clinic Number: 18 **Date:** _____

Patient No.	Investigation	Diagnosis
1		
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5		

RECORD OF ATTENDANCE

Clinic Number: 19 *Date:* _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
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5		

Clinic Number: 20 *Date:* _____

Patient No.	Investigation	Diagnosis
1		
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5		

Clinic Number: 21 *Date:* _____

Patient No.	Investigation	Diagnosis
1		
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5		

RECORD OF ATTENDANCE

Clinic Number: 22 *Date:* _____

Patient No.	Investigation	Diagnosis
1		
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5		

Clinic Number: 23 *Date:* _____

Patient No.	Investigation	Diagnosis
1		
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5		

Clinic Number: 24 *Date:* _____

Patient No.	Investigation	Diagnosis
1		
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3		
4		
5		

RECORD OF ATTENDANCE

Clinic Number: 25 *Date:* _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

Clinic Number: 26 *Date:* _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

Clinic Number: 27 *Date:* _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

RECORD OF ATTENDANCE

Clinic Number: 28 **Date:** _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

Clinic Number: 29 **Date:** _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

Clinic Number: 30 **Date:** _____

Patient No.	Investigation	Diagnosis
1		
2		
3		
4		
5		

APPLICATION FORM

ADVANCED PRACTICE MODULE IN URODYNAMICS

Name: _____
Grade: _____
Hospital: _____

I agree to supervise the above named trainee.

Name of
Consultant: _____
Signature: _____

I support this application.

Head of
Department: _____
Signature: _____

Please return to:

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Dublin 2

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