

Bedfordshire and Hertfordshire Priorities Forum Guidance Statement

Number: 61

Subject: The management of female incontinence

Date: May 2016

Date review due: May 2019

Introduction:

Urinary incontinence (UI) is a common symptom that can affect both women and men of all ages, with a wide variety of severity & nature. Although rarely life-threatening, UI may profoundly impact on the wellbeing of affected patients/carers and have considerable resource implications for the local health service.

DEFINITIONS	
Stress UI	Involuntary urine leakage on effort/exertion or on sneezing/coughing
Urgency UI	Involuntary urine leakage accompanied or immediately preceded by urgency
Mixed UI	Involuntary urine leakage associated with both urgency & exertion/effort/sneezing/coughing
OAB	Overactive bladder – urgency with/without urgency UI and usually with frequency & nocturia

These guidelines have been based on NICE CG171 – Urinary incontinence in women (Sep 2013) which replaces the previous NICE CG40 (Oct 2006) and reflects the changes in new methods of managing UI and reported improvements in the effectiveness and advances in the types of procedures offered since 2006. The updated guidelines have also assessed the cost-effectiveness of the UI drugs and updated the recommendations for the 1st and 2nd line choices of drug treatment.

Although the guidelines are intended for use in women, the initial assessment, conservative management and drug treatment pathway may be applicable for men with symptoms of UI/ OAB.

SUMMARY OF KEY POINTS FOR PRIMARY CARE CLINICIANS

See Appendix B for further details on drug pathway and Appendix I for community continence service referral forms and useful resource materials and information for patients

INITIAL ASSESSMENT

- [Take history and test urine](#), [urgent referral to specialist when certain symptoms present](#)
- [score symptoms and assess QoL](#)
- [Categorise UI](#) and direct treatment to predominant symptom
- [Treat](#) nocturia, vaginal atrophy and urinary retention
- Consider a referral for more complex patients (e.g. significant stress UI or patient with cognitive impairment) to the community continence service for assessment and management.

1st LINE TREATMENT - non-pharmacological [conservative](#) management:

- [Bladder diary](#) (minimum 3 days)
- [Lifestyle interventions](#) (↓caffeine intake, fluid modification, ↓weight if BMI>30)
- [Pelvic floor muscle training](#) (minimum 3 months) for stress or mixed UI
- [Bladder training](#) (minimum 6 weeks) for OAB or mixed UI
- [Patient education](#) on self-management of condition

If no improvement in 6-8 weeks, a referral can be made to the community continence service for further assessment, treatment, advice and support.

DRUG TREATMENT for OAB and MIXED UI – Do **NOT** prescribe unless the patient has been assessed and 1st line non-drug conservative management has been tried for an adequate duration and has failed:

- OAB drugs **only** provide **modest benefit** and there are adverse effects (antimuscarinic effects i.e. dry mouth, constipation)
- Educate patient to manage patient expectation of drug treatment outcome. Discuss likelihood of success (only modest benefit); that side effects (dry mouth) means drug is working and may improve with time; and that full benefit may take at least 4-8 weeks.
- **Patient safety recommendations:** Start on low doses; take account of total anticholinergic load (other drugs with antimuscarinic side-effects) and co-existing conditions (e.g. poor bladder emptying).

Do **not** prescribe oxybutynin IR in **frail older people** i.e. those with multiple co-morbidities, functional impairments (walking/dressing difficulties) and/or any degree of cognitive impairment.

- Treatment goals must be clear and objective. Use a bladder diary to assess response.
- ACUTE prescriptions only for new lines of drug treatment. Do not put on REPEAT until reviewed.
- Medication review at 4-8 weeks after starting. Do not change drug or dose if therapy is beneficial.
- If new line of treatment is no more effective or better tolerated, revert back to previous line.
- Review regularly. Only continue drug treatment if benefit maintained.
- Review long term patients annually or every 6 months if >75 years.
 - Consider a drug holiday in long-term patients to see if still required.
 - If drug still needed, consider choice of OAB drug within the guidelines (unless previously not tolerated or ineffective).
- No difference in the clinical efficacy between OAB drugs. No evidence that one treatment is better than another. More expensive OAB drugs do not mean they are more effective. The lowest cost drug should be used (see Appendix B for full details): -
 - 1st line = oxybutynin IR **or** tolterodine IR*
 - 2nd line = trospium MR
 - 3rd line** = mirabegron
- If two agents are partially effective at different stages in the pathway and there are no plans escalate treatment to the next stage, use the most cost-effective treatment.

*Bedfordshire & Luton CCGs have approved use of the branded generic, Neditol XL®, if patient cannot tolerate the IR tolterodine preparation.

**Bedfordshire and Hertfordshire local agreement for specialists to use a 3rd line antimuscarinic (not solifenacin or oxybutynin M/R) if clinically appropriate before consideration of invasive procedures.

- If OAB drug is not effective at any line of treatment, **consider** referral to HCT Adult Bladder & Bowel service for further management options.
- Patients currently on OAB drug choices not within the guidelines may remain on treatment whilst benefit is still maintained.
- Do not prescribe UI/OAB drugs for stress UI. Duloxetine may be used for stress UI (specialist initiation only) when primary stress UI procedures have failed.

Review Period:

Guidelines to be reviewed every 3 years or in the event of new evidence or significant drug price changes

Acknowledgements:

The Hertfordshire guidelines have been produced by the Central Eastern CSU Pharmacy & Medicines Optimisation Team and approved by Hertfordshire Medicines Management Committee (HMMC April 2014) following consultation with local specialists at East & North Hertfordshire (E&NHHT) and West Hertfordshire Hospital Trusts (WHHT) and Hertfordshire Community Trust (HCT) Adult Bladder and Bowel (continence) Service. Special thanks to the following for their contribution to the development of these guidelines:

WHHT: Mr Andrew Hextall (Obs & Gynae consultant), Mr Freddie Banks (Urology consultant), Mr Michael Menzes (Obs & Gynae consultant) and Ms Rekha Shah (pharmacist)

E&NHHT: Miss Charlotte Foley (Urology consultant) and Mr Rami Atalla (Obs & Gynae consultant)

HCT: Ms Lee O'Hara (Clinical Service Lead)

CECSU PMOT: Ms EY Cheung (Senior Pharmaceutical Adviser)

Consultation in Bedfordshire & Luton – Bedfordshire and Luton Joint Prescribing Committee (JPC); Urology and Obstetrics and Gynaecology Consultants Bedford and Luton & Dunstable Hospitals

Appendixes:

Appendix A – Initial advice and conservative treatments

Appendix B – Drug treatment for OAB and mixed UI

Appendix C – Secondary care including urodynamic testing

Appendix D – Surgical approaches for SUI

Appendix E – Invasive approaches to OAB

Appendix F – Referral for specialist intervention and surgeon standards

Appendix G – Alternative conservative management

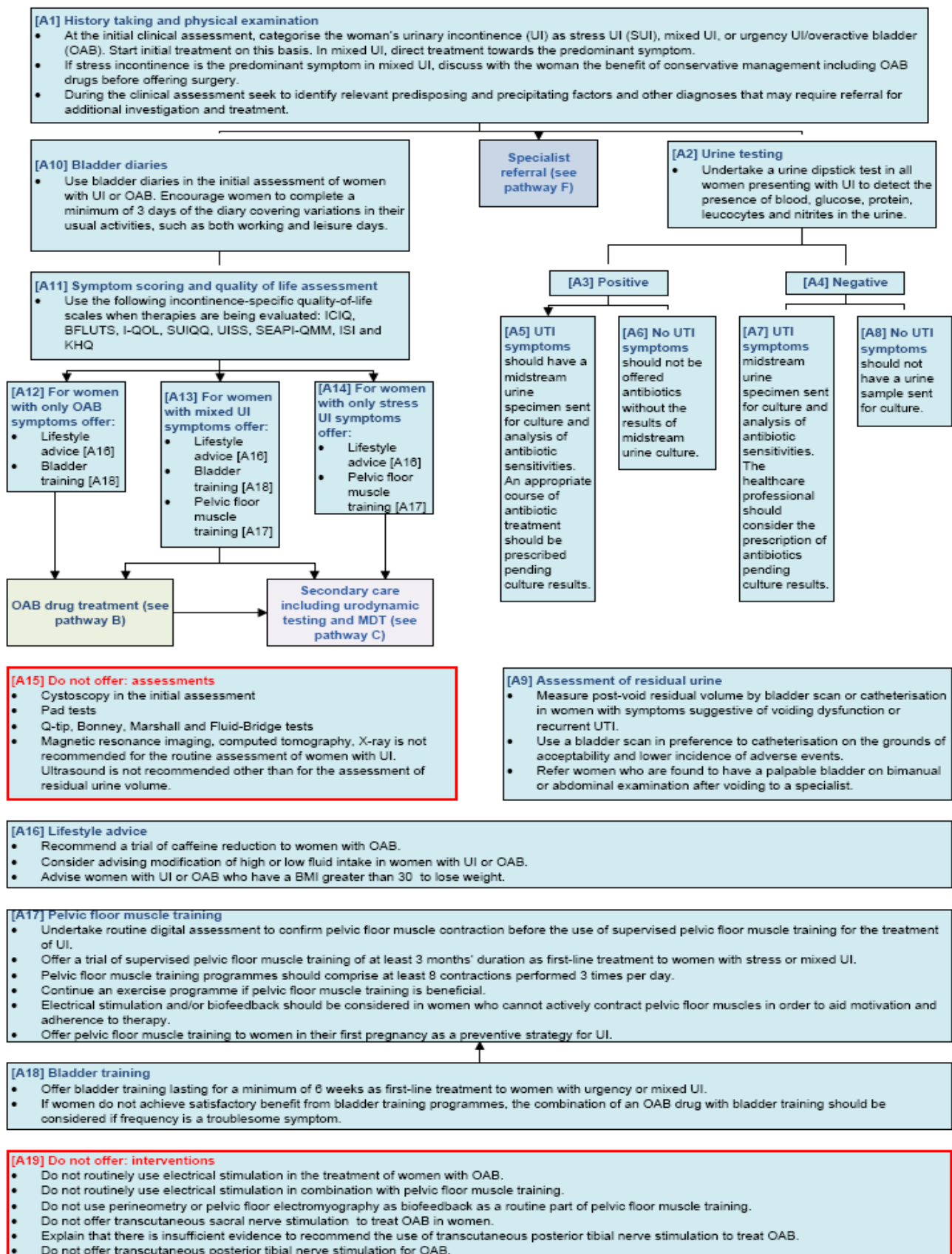
Appendix H – HMMC Hertfordshire care/management pathway for management of UI

Appendix I – Useful contact details/referral forms/resource materials

Human Rights and Equalities Legislation has been considered in the development of this guidance.

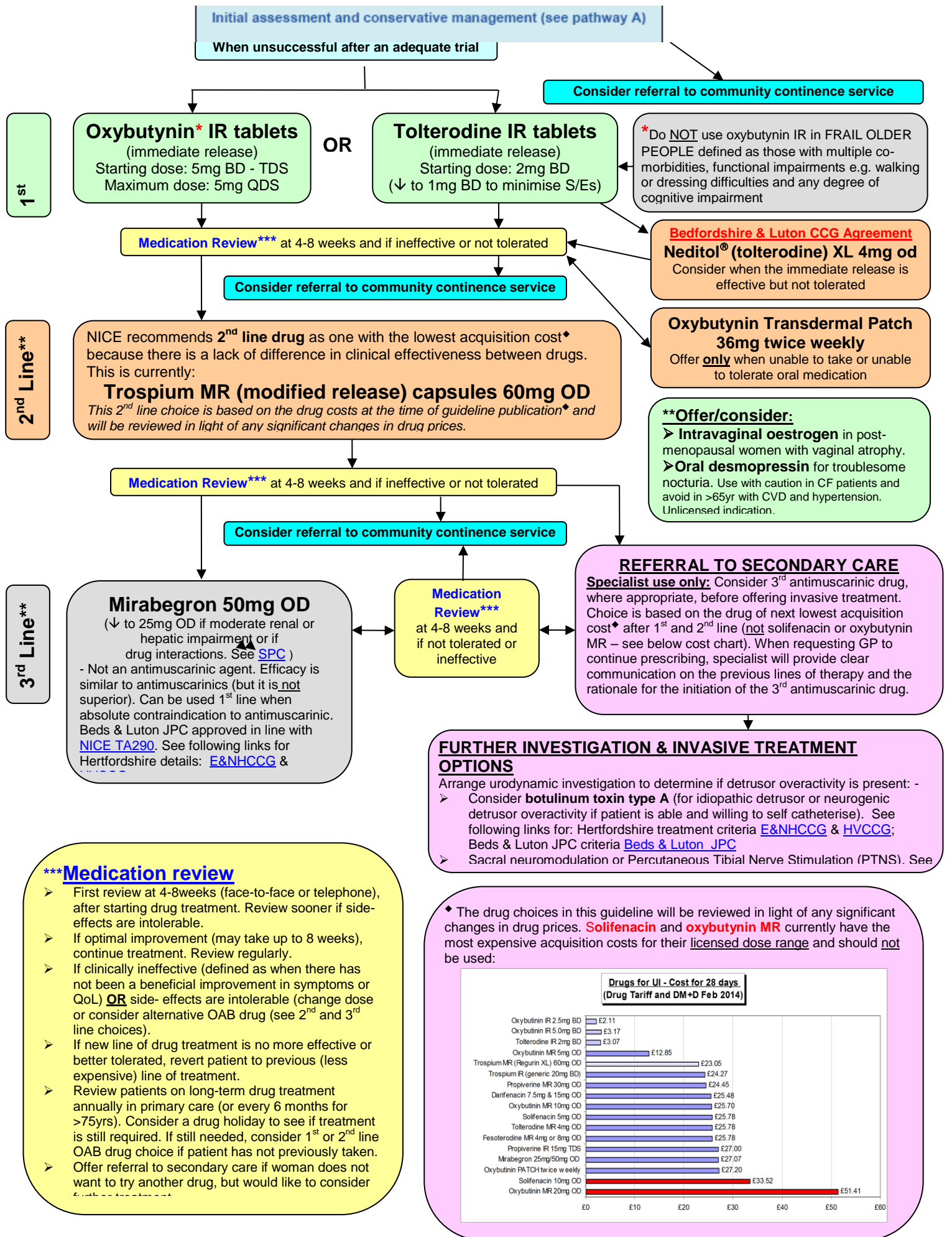
Appendix A

A – Initial advice and conservative treatments

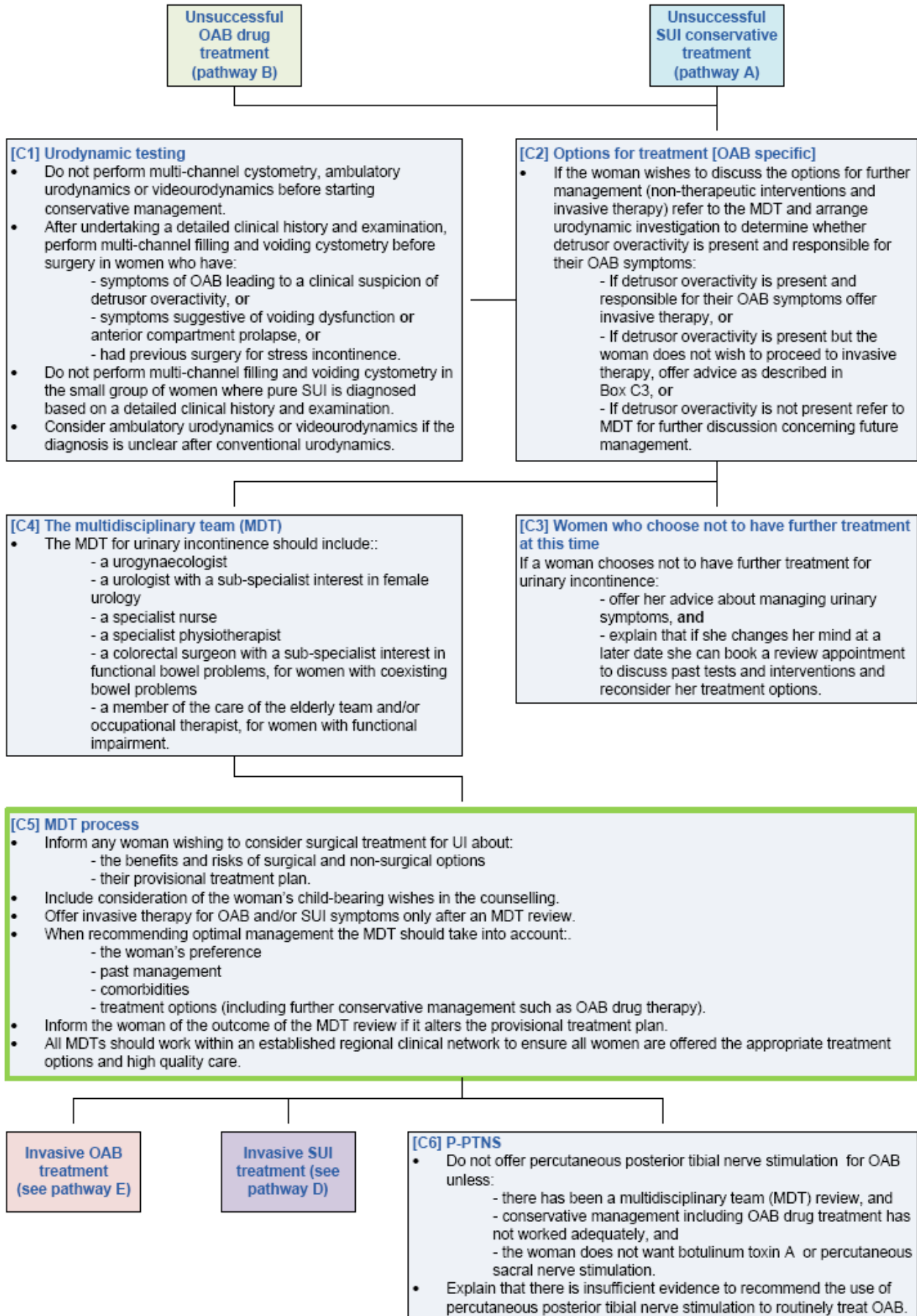


Appendix B

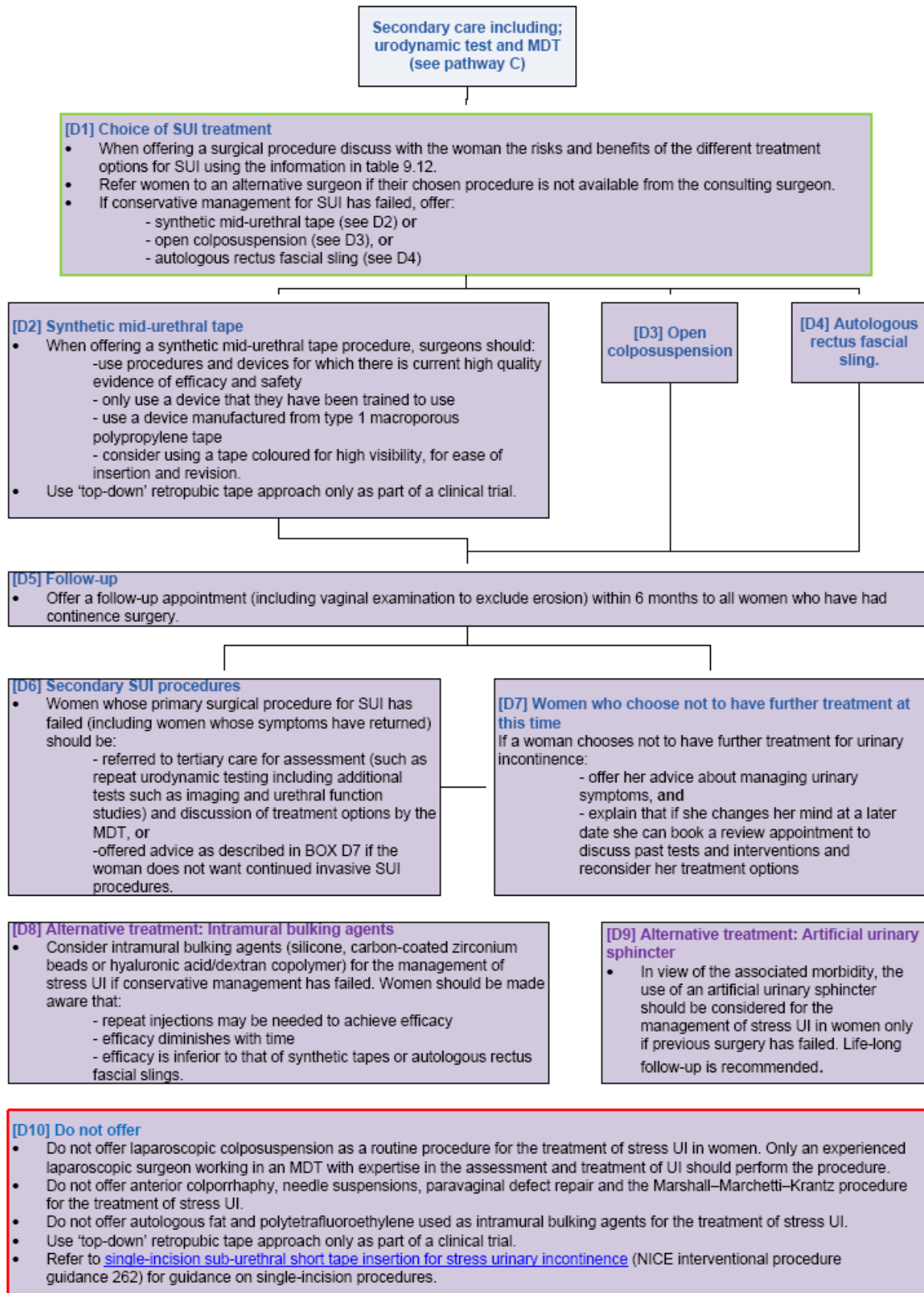
B – Drug treatment for OAB and mixed UI



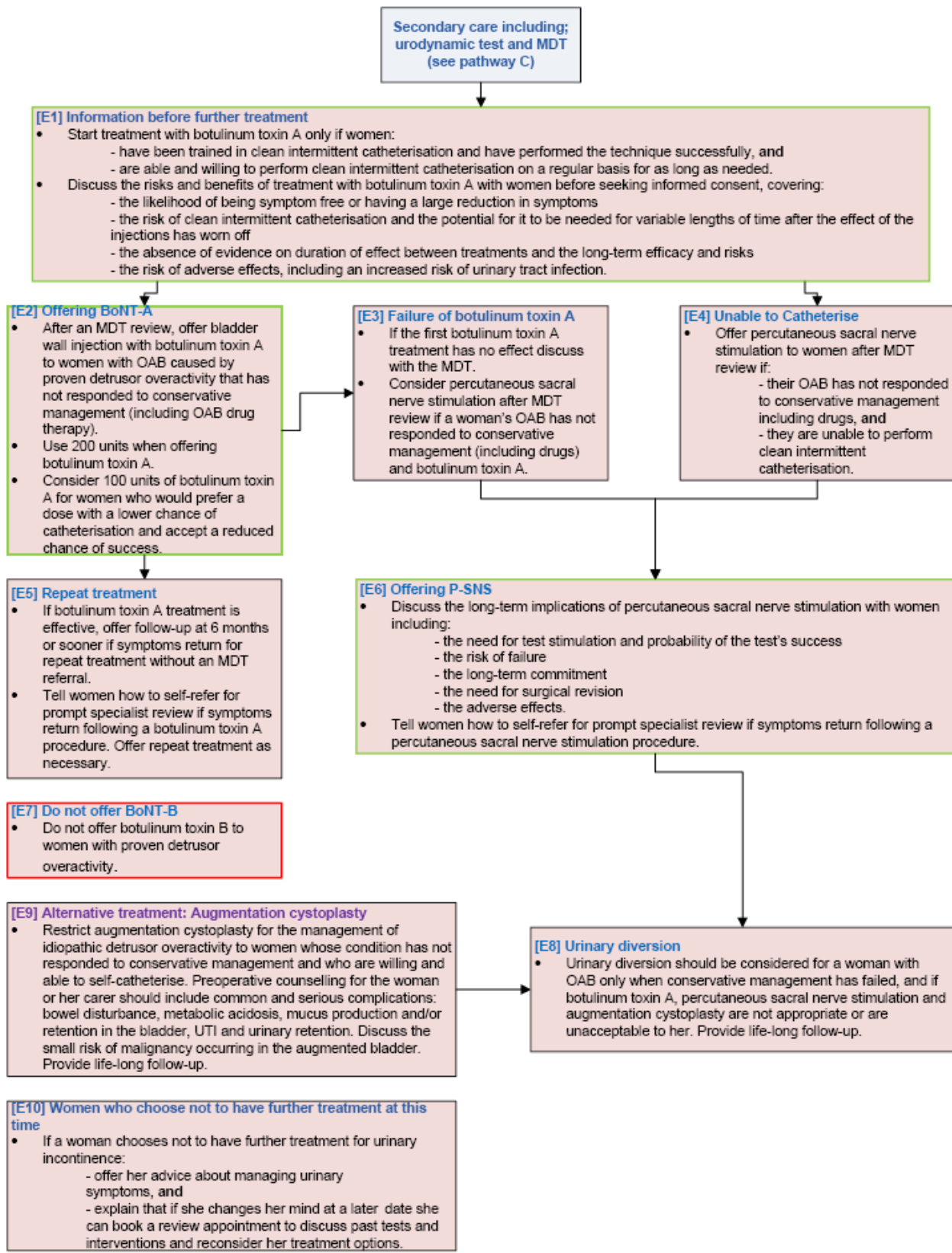
C – Secondary care including urodynamic testing and MDT



D – Surgical approaches for SUI



E – Invasive approaches to OAB



F – Referral for specialist intervention and surgeon standards

[F1] Urgent referral

- Refer women with UI who have symptomatic prolapse that is visible at or below the vaginal introitus to a specialist.
- Urgently refer women with UI who have any of the following:
 - microscopic haematuria in women aged 50 years and older
 - visible haematuria
 - recurrent or persisting UTI associated with haematuria in women aged 40 years and older
 - suspected malignant mass arising from the urinary tract.
- In women with UI, further indications for consideration for referral to a specialist service include:
 - persisting bladder or urethral pain
 - clinically benign pelvic masses
 - associated faecal incontinence
 - suspected neurological disease
 - symptoms of voiding difficulty
 - suspected urogenital fistulae
 - previous continence surgery
 - previous pelvic cancer surgery
 - previous pelvic radiation therapy

[F2] Maintaining and measuring expertise and standards for practice

- Surgery for UI should be undertaken only by surgeons who have received appropriate training in the management of UI and associated disorders or who work within an MDT with this training, and who regularly carry out surgery for UI in women.
- Training should be sufficient to develop the knowledge and generic skills documented below. Knowledge should include the:
 - specific indications for surgery
 - required preparation for surgery including preoperative investigations
 - outcomes and complications of proposed procedure
 - anatomy relevant to procedure
 - steps involved in procedure
 - alternative management options
 - likely postoperative progress.
- Generic skills should include
 - the ability to explain procedures and possible outcomes to patients and family and to obtain informed consent
 - the necessary hand–eye dexterity to complete the procedure safely and efficiently, with appropriate use of assistance
 - the ability to communicate with and manage the operative team effectively
 - the ability to prioritise interventions
 - the ability to recognise when to ask for advice from others
 - a commitment to MDT working.
- Training should include competence in cystourethroscopy.
- Operative competence of surgeons undertaking surgical procedures to treat UI or OAB in women should be formally assessed by trainers through a structured process.
- Surgeons who are already carrying out procedures for UI should be able to demonstrate that their training, experience and current practice equates to the standards laid out for newly trained surgeons.
- Only surgeons who carry out a sufficient case load to maintain their skills should undertake surgery for UI or OAB in women. An annual workload of at least 20 cases of each primary procedure for stress UI is recommended. Surgeons undertaking fewer than 5 cases of any procedure annually should do so only with the support of their clinical governance committee; otherwise referral pathways should be in place within clinical networks.
- There should be a nominated clinical lead within each surgical unit with responsibility for continence and prolapse surgery. The clinical lead should work within the context of an integrated continence service.
- A national audit of continence surgery should be undertaken.
- Surgeons undertaking continence surgery should maintain careful audit data and submit their outcomes to national registries such as those held by the British Society of Urogynaecology (BSUG) and British Association of Urological Surgeons Section of Female and Reconstructive Urology (BAUS-SFRU).

G – Alternative conservative management

[G1] Catheters

- Bladder catheterisation (intermittent or indwelling urethral or suprapubic) should be considered for women in whom persistent urinary retention is causing incontinence, symptomatic infections, or renal dysfunction, and in whom this cannot otherwise be corrected. Healthcare professionals should be aware, and explain to women, that the use of indwelling catheters in urgency UI may not result in continence.

[G2] Intermittent urethral catheters

- Offer intermittent urethral catheterisation to women with urinary retention who can be taught to self-catheterise or who have a carer who can perform the technique.

[G3] Indwelling urethral catheters

- Give careful consideration to the impact of long-term indwelling urethral catheterisation. Discuss the practicalities, benefits and risks should be discussed with the patient or, if appropriate, her carer. Indications for the use of long-term indwelling urethral catheters for women with UI include:
 - chronic urinary retention in women who are unable to manage intermittent self-catheterisation
 - skin wounds, pressure ulcers or irritations that are being contaminated by urine
 - distress or disruption caused by bed and clothing changes
 - where a woman expresses a preference for this form of management.

[G4] Indwelling suprapubic catheters

- Indwelling suprapubic catheters should be considered as an alternative to long-term urethral catheters. Be aware, and explain to women, that they may be associated with lower rates of symptomatic UTI, 'bypassing', and urethral complications than indwelling urethral catheters.

[G5] Absorbent products, urinals and toileting aids

- Absorbent products, hand held urinals and toileting aids should not be considered as a treatment for UI. Use them only as:
 - a coping strategy pending definitive treatment
 - an adjunct to ongoing therapy
 - long-term management of UI only after treatment options have been explored.

[G6] Do not use

- Do not recommend complementary therapies for the treatment of UI or OAB.
- Do not use intravaginal and intraurethral devices for the routine management of UI in women. Do not advise women to consider such devices other than for occasional use when necessary to prevent leakage, for example during physical exercise.

Appendix H – Hertfordshire Care Pathway for Urinary Incontinence & Overactive Bladder (HMMC Apr 2014)

Diagnosis and Assessment

Hertfordshire UI & OAB Management Pathway based on [NICE Clinical Guideline 171 Sep 2013](#)

Initial Assessment (Primary Care/HCT)

- Categorise as **stress UI**, mixed UI, or **urgency UI/overactive bladder (OAB)**.
- Start initial conservative treatment on this basis.
- In mixed UI, direct treatment to the predominant symptom. If this is stress UI, advise on the benefit of conservative management including OAB drugs before offering surgery.
- Ask patient to complete a **bladder diary** for at least 3 days, covering variations in usual activities (e.g. working and leisure days).
- The use of **incontinence-specific quality of life (QoL) scales** may be useful to score symptoms and evaluate therapies e.g. ICIQ, BFLUTS and KHQ etc.
- Use urine dipstick tests to detect blood glucose, protein, leucocytes and nitrites. See above table for actions.

	URINE DIPSTICK TEST RESULTS	
	POSITIVE	NEGATIVE
Urinary Tract Infection (UTI) Symptoms	Send a midstream urine sample for culture and antibiotic sensitivity analysis Prescribe appropriate antibiotics pending culture results	Consider prescribing appropriate antibiotics pending culture results
No UTI Symptoms	Do not prescribe antibiotics unless there is a positive urine culture result	UTI unlikely. Do not send an urine sample for culture

- Measure post-void residual urine in women with symptoms of voiding dysfunction or recurrent UTI. If available, use a bladder scan in preference to catheterisation (more acceptable and ↓adverse events).

Consider referral, particularly more complex patients eg significant stress UI or patients with cognitive impairment to the continence nurse at [HCT Adult Bladder & Bowel service](#) – see Appx I for [contact details](#) and [Referral Form](#) and [Patient Information Leaflet](#). This service will assess and manage the patient for conservative treatment, initiate drug treatment (when appropriate) and has close links with secondary care.

- Identify factors and other diagnosis that may require referral to secondary care for further investigation and treatment as detailed in following table:

Referral Category	Indications for Referral			
URGENTLY refer	<ul style="list-style-type: none"> - microscopic haematuria if ≥ 50 years - visible haematuria - recurrent or persisting UTI associated with haematuria if ≥ 40 years - suspected pelvic mass arising from the urinary tract 			
Refer	<ul style="list-style-type: none"> - symptomatic prolapse visible at or below the vaginal introitus - palpable bladder on bimanual or physical examination after voiding 			
Consider referring	<table border="1"> <tr> <td> <ul style="list-style-type: none"> - persisting bladder or urethral pain - associated faecal incontinence - previous pelvic radiation therapy </td> <td> <ul style="list-style-type: none"> - clinically benign pelvic masses - suspected neurological disease - voiding difficulty </td> <td> <ul style="list-style-type: none"> - suspected urogenital fistulae - previous continence or pelvic cancer surgery </td> </tr> </table>	<ul style="list-style-type: none"> - persisting bladder or urethral pain - associated faecal incontinence - previous pelvic radiation therapy 	<ul style="list-style-type: none"> - clinically benign pelvic masses - suspected neurological disease - voiding difficulty 	<ul style="list-style-type: none"> - suspected urogenital fistulae - previous continence or pelvic cancer surgery
<ul style="list-style-type: none"> - persisting bladder or urethral pain - associated faecal incontinence - previous pelvic radiation therapy 	<ul style="list-style-type: none"> - clinically benign pelvic masses - suspected neurological disease - voiding difficulty 	<ul style="list-style-type: none"> - suspected urogenital fistulae - previous continence or pelvic cancer surgery 		

Conservative Management (Primary Care/HCT)

Consider referral to continence nurse at [community \(HCT\) continence service](#) for conservative management – see Appx I for [contact details](#) and [Referral Form](#) and [Patient Information Leaflet](#)

1 st Line	Stress UI	Mixed UI	OAB with or without Urge UI
	<ul style="list-style-type: none"> • Pelvic floor muscle training • Lifestyle changes and patient education 	<ul style="list-style-type: none"> • Pelvic floor muscle training • Bladder training • Lifestyle advice and patient education 	<ul style="list-style-type: none"> • Bladder training • Lifestyle changes and patient education

OAB Drug Treatment only if 1st line management tried & failed
(see drug algorithm in Appendix B)

If unsuccessful, refer to secondary care for further investigation and treatment options OR consider referral to continence nurse at [HCT Adult Bladder & Bowel service](#) – see Appx I for [contact details](#) and [Referral Form](#) and [Patient Information Leaflet](#)

FIRST LINE CONSERVATIVE MANAGEMENT (see Appendix I for resource materials)

Pelvic floor muscle training (PFMT): 1st-line treatment for stress or mixed UI.

- Digital assessment to confirm pelvic floor muscle contraction before PFMT.
- Trail of [supervised training](#) lasting at least 3 months. PFMT should consist of at least 8 contractions, 3 times a day.
- If PFMT is beneficial, continue an exercise programme.
- Consider electrical stimulation and/or biofeedback in patient who cannot actively contract their pelvic floor muscles to aid motivation and adherence

Bladder training: 1st-line treatment for [urge UI/OAB](#) or mixed UI – training should last a minimum of 6 weeks.

- In patient with OAB who also have cognitive impairment, prompted and timed toileting programmes may help ↓ leakage episodes.
- If frequency is still troublesome after training, consider combination of OAB drug with bladder training.

Lifestyle changes: 1st-line treatment for [urge UI/OAB](#) or mixed UI. Modification of fluid intake, losing weight if BMI>30 and ↓caffeine

Patient Education: Provide information on the condition, management and outcomes (Appx I for resource materials)

Patients who do not want further treatment: Offer advice on managing symptoms and with the option for review appointment and further treatment if she changes her mind. This applies to any stage of the management pathway.

Alternative Conservative Treatments See Appendix G for information on use of these devices and products

Further Assessment & Urodynamic Testing (Secondary Care)

- For the few patients with pure stress, UI multi-channel cystometry is not routinely necessary before primary surgery
- Use **multi-channel filling and voiding cystometry before surgery** for UI if there are OAB symptoms and clinical suspicion of detrusor over activity OR there are symptoms of voiding dysfunction or anterior compartment prolapse OR there has been previous surgery for stress UI.

Surgical/ Invasive Management (Secondary Care)

Stress UI

- Discuss the risks and benefits of surgical and non-surgical options. Use NICE information to facilitate discussion: <http://publications.nice.org.uk/urinary-incontinence-cq171/recommendations> (after section 1.11.9). Consider the woman's child-bearing wishes during the discussion.
- If conservative treatments have failed, consider:
 - Synthetic mid-urethral tape
 - Open colposuspension
 - Autologous rectus fascial sling
- Offer follow-up review 6-8 weeks following surgery

Secondary Stress UI procedures

Where primary SUI surgical procedure has failed/ symptoms return:

- Refer to specialist care for further assessment
- Consider duloxetine (specialist initiation only)
- Or if woman does not want continued invasive SUI procedures, offer advice on managing symptoms with option for review appointment and further treatment if she changes her mind

Alternative treatments

- Intramural bulking agents (e.g. silicone)
- Artificial urinary sphincter if previous surgery has failed.

OAB with or without Urge UI

- Discuss the risks and benefits of surgical and non-surgical options. Consider the woman's child-bearing wishes during the discussion.
- **Botulinum toxin type A** – consider for idiopathic detrusor or neurogenic detrusor overactivity in those willing and able to self catheterise.
 - Discuss the likelihood of symptom reduction; risk of self-catheterisation and variable durations of use after injections worn off; lack of evidence in long-term efficacy, risks and duration of efficacy; and risk of S/Es (↑UTI risk).
 - See HMMC decision for treatment initiation criteria – [E&NHCCG](#) and [HVCCG](#)
- **Percutaneous sacral nerve stimulation (P-SNS):** Offer if unable to self catheterise or if botulinum toxin A has failed.
 - Discuss long term implications including test stimulation and success; risk of failure; long-term commitment; need for surgical revision and S/Es.
- **Percutaneous posterior tibial nerve stimulation (P-PTNS):** Offer if woman does not want botulinum toxin A or P-SNS.
- **Augmentation cystoplasty** – restrict to those willing and able to self catheterise; explain common and serious complications and the small risk of malignancy in the augmented bladder.
- **Urinary diversion** – consider if botulinum toxin A, sacral nerve stimulation, and augmentation cystoplasty are not appropriate or unacceptable.

Appendix I

**Useful Contact Details and Resource Materials –
Patient QOL Questionnaires/Leaflets/Information**

- **Hertfordshire Community Trust Incontinence (Adult Bladder and Bowel) Service: -**
 - **Information for Healthcare Professionals:**
http://www.hertschs.nhs.uk/services/adult/Adult_Bladder_Bowel_Care/For_Healthcare_Professionals.aspx
 - **Service Information Leaflet:**
http://www.hertschs.nhs.uk/Library/Adult_Services/Adult_Bladder_and_Bowel_Care/Bladder%20Bowel%20GP%20Leaflet%20July%202013%20v3.pdf
 - **Patient Information Leaflet:**
http://www.hertschs.nhs.uk/Library/Adult_Services/Adult_Bladder_and_Bowel_Care/Patient%20Information%20Pamphlet%20July%202013%20v3.pdf
 - **Referral Form:** http://www.hertschs.nhs.uk/Library/Adult_Services/Adult_Bladder_and_Bowel_Care/Referral_Form_online_2011.doc
- **Bedfordshire and Luton Incontinence Service provided by SEPT**
<http://www.sept.nhs.uk/Community-Health/Bedfordshire-Community-Health-Services/Continence-Service.aspx>
- **Patient Information on Urinary Incontinence and Further Reading:**
 - NHS Choices: <http://www.nhs.uk/Conditions/Incontinence-urinary/Pages/Introduction.aspx>
 - Bladder & Bowel Foundation: <http://www.bladderandbowelfoundation.org/bladder/bladder-problems.asp>
- **Patient Information on Overactive Bladder OAB:**
 - Patient UK: <http://www.patient.co.uk/health/overactive-bladder-syndrome>
 - Bladder & Bowel Foundation: <http://www.bladderandbowelfoundation.org/bladder/bladder-problems/overactive-bladder.asp>
- **Patient Incontinence-Specific QoL & symptom scoring questionnaires:**
<http://www.nice.org.uk/nicemedia/live/14271/65356/65356.pdf> The following scoring questionnaires are available free of charge:
 - Kings Health Questionnaire (KHQ): <http://www.nice.org.uk/nicemedia/live/14271/65298/65298.pdf>
 - International Consultation on Incontinence Questionnaire (ICIQ) – permission required: <http://www.icig.net/structure.html>
 - Bristol Female Urinary Tract Symptoms Questionnaire (BFLUTS) – permission required: <http://www.icig.net/structure.html>
 - Norwegian Stress and Urge Incontinence Questionnaire(SUIQQ):
<http://www.nice.org.uk/nicemedia/live/14271/65268/65268.pdf>
 There is a charge for the following questionnaire: -
 - Incontinence Quality of Life Questionnaire (IQOL): <http://depts.washington.edu/seaqol/IQOL>
- **Bladder Diary:**
http://www.hertschs.nhs.uk/Library/Adult_Services/Adult_Bladder_and_Bowel_Care/Bladder%20Record%20Chart%20V2.doc
- **Bladder Training:** <http://www.patient.co.uk/health/overactive-bladder-syndrome>
- **Lifestyle Interventions:** <http://www.nhs.uk/Conditions/Incontinence-urinary/Pages/Treatment.aspx>
- **Pelvic Floor Exercises**
 - Patient UK: <http://www.patient.co.uk/health/pelvic-floor-exercises>
 - Bladder and Bowel Foundation Fact Sheet (registration required):
<http://www.bladderandbowelfoundation.org/resources/fact-sheets.asp>
- **Patient Information on OAB drugs:** http://www.nhs.uk/medicine-guides/pages/MedicineForCondition.aspx?condition=Incontinence,_urinary
- **NICE Clinical Guideline 171 – Urinary Incontinence in Women** <http://guidance.nice.org.uk/CG171>
- **Hertfordshire Medicines Management Committee (HMMC) Decisions:**
 - **Mirabegron for OAB:**
[http://www.hertsvalleysccg.nhs.uk/uploads/file/Pharmacy/Local%20Decisions/Mirabegron%20for%20overactive%20bladder%20TA290%201309%20%20\(HMMC\).pdf](http://www.hertsvalleysccg.nhs.uk/uploads/file/Pharmacy/Local%20Decisions/Mirabegron%20for%20overactive%20bladder%20TA290%201309%20%20(HMMC).pdf)
http://www.enhertsccg.nhs.uk/sites/default/files/Pharmacy/Local_Decisions/Mirabegron%20for%20overactive%20bladder%20TA290%201309%20%20%28HMMC%29.pdf
 - **Botulinum toxin type A for OAB:**
[http://www.hertsvalleysccg.nhs.uk/uploads/file/Pharmacy/Local%20Decisions/Botulinum%20toxin%20type%20A%20for%20OAB%20201211\(HMMC\).pdf](http://www.hertsvalleysccg.nhs.uk/uploads/file/Pharmacy/Local%20Decisions/Botulinum%20toxin%20type%20A%20for%20OAB%20201211(HMMC).pdf)
http://www.enhertsccg.nhs.uk/sites/default/files/Pharmacy/Local_Decisions/Botulinum%20toxin%20type%20A%20for%20OAB%20201211%28HMMC%29.pdf
- **Bedfordshire & Luton Joint Prescribing Committee (JPC) Decisions:**
 - **Botulinum toxin type A for OAB:**
[http://www.gpref.bedfordshire.nhs.uk/referrals/bedfordshire-and-luton-joint-prescribing-committee-\(jpc\).aspx](http://www.gpref.bedfordshire.nhs.uk/referrals/bedfordshire-and-luton-joint-prescribing-committee-(jpc).aspx)
 - Mirabegron for OAB: Approved in line with [NICE TA290](#).
- **Further information**
 - **The Bladder & Bowel Foundation** - a charitable organisation providing information and support for patients, carers and healthcare professionals www.bladderandbowelfoundation.org
 - **Promocon** - An organisation promoting awareness and providing information and advice to patients and health