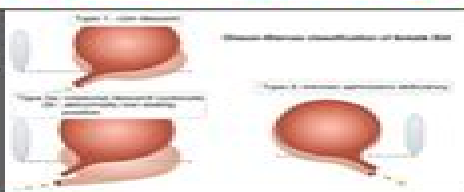


Catheter placement

Insertion: 10-15 cm
Resting: 10-15 cm
Defecation: 10-15 cm

Resting pressures:



Tracing Problem

- Resting Pves too high

Possible cause

- Catheter may be in the urethra or resting against the bladder wall.
- Catheter may be overcharged.

Check/corrective actions

- Gently advance and/or bend the catheter and move it away from the urethra/bladder wall.
- Slide transducer to OPEN, ask patient to cough several times, repeat Pves (only) slide transducer to CHARGE.
- Ask patient to cough! Valves to ensure proper transmission of pressure.

Tracing Problem

- Resting Pves is too low

Possible cause

- There may be a leak in the connection

Check/corrective actions

- Tighten the connections between the transducers cables and catheter and open and recharge.
- If there is an equal transmission of cough to bladder and rectal readings, adjust catheter to get the reading +/- 5 of each other then equalize Pabd to Pves.

Tracing Problem

- Pabd decrease after the cough

Possible cause

- Pabd sensor may be too close to the rectal sphincter or in a gas pocket

Check/corrective actions

- Gently advance the abdominal catheter inside the rectum
- Ensure the catheter is taped securely in place as close to the insertion spot as possible

Tracing Problem

- No Pves cough spike

Possible cause

- The Pves transducer may be in the open position
- Catheter not tightened enough and air has escaped from lum lock
- Catheter may not be in correct place

Check/corrective actions

- Ensure the Pves transducer cable is in charge position.
- Tighten catheter and recharge if necessary
- Check catheter placement and adjust as necessary
- Replace catheter and try again

Tracing Problem

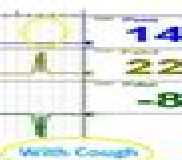
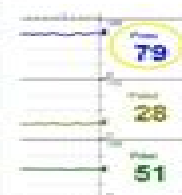
- Pves increases during filling

Possible cause

- Pves may have moved
- Patient may have low bladder compliance

Check/corrective actions

- Check catheter placement and adjust as necessary
- Stop fill and see if Pves decreases



Tracing Problem

- Baseline Pabd is not equal to Pves

Possible cause

- Catheter may not be in the correct position

Check/corrective actions

- Check catheter placement (abdominal catheter first) and adjust as necessary by pulling the catheter back and forth about 1-2 cm to create a tunnel through the pocket of stool
- If this does not work, ask the patient to cough. If there is equal transmission of cough to bladder and rectal reading shown in this tracing, then equalize Pabd to Pves

Tracing Problem

- Resting Pabd is too high

Possible cause

- Catheter may be against rectal wall/flexure or in rectal sphincter
- Patient may be experiencing a rectal vault contraction
- Catheter may be overcharged

Check/corrective actions

- Gently advance and/or bend the catheter and move it away from the rectal wall/sphincter
- Slide the catheter from the charged position, have the patient cough, bend down to adjust the catheter and follow the procedure to zero the catheter and charge to see if the catheter is positioned
- Pves increase and pump and wait for contractions to subside, adjust catheter in and out or bring back to 10 cm to decrease peristalsis
- If there is an equal transmission of cough to bladder and rectal reading, equalize Pabd to Pves

Tracing Problem

- Negative Pabd

Check/corrective actions

- Check catheter placement first by asking patient to cough! Valves
- Check for equal pressure transmission
- Charge position of patient (legs lying to string) if appropriate
- Manipulate the catheter by 1-2 cm increments to create a tunnel in the stool to elicit better pressure transmission
- Equalize Pabd to Pves if appropriate only after a position change! at the beginning of the study. The equalize function MUST be used very judiciously

Tracing Problem

- Pves/Pabd cough spikes at different heights

Possible cause

- Either catheter may not be in correct position. Stool catheter may be in the urethra or up against bladder wall or Pabd may be in stool
- Pabd may need to be tightened and recharged

Check/corrective actions

- Check catheter placement and adjust as necessary
- Adjust Pabd in and out
- Pabd lum lock may need to be tightened and recharged
- If Pves is lower than Pabd, start filling the bladder and re-check cough at 30 ml

Tracing Problem

- Pabd line slowly decreases / Pves stable

Possible cause

- The abdominal catheter may have slid downwards
- Patient may have been tense and now relaxing

Check/corrective actions

- Check catheter placement and adjust as necessary
- Check the connection between catheter and transducer cable. Tighten if necessary
- If Pves has not changed since the beginning of the study and there is equal transmission of a cough, equalize Pabd to Pves

Tracing Problem

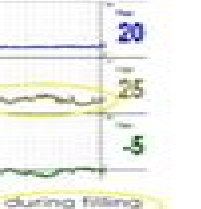
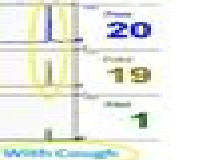
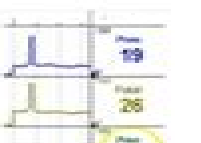
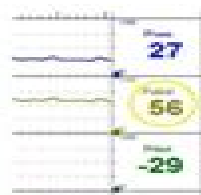
- Pabd constantly changing, stable Pves

Possible cause

- Abdominal catheter may be in the wrong location
- Patient may be experiencing a rectal contraction/peristalsis

Check/corrective actions

- Check catheter placement and adjust as necessary; if rectal catheter is set to 15 cm pull back to 10 cm for less peristalsis
- Pves pump and wait for contractions to subside



Practical Urodynamics

L. Lewis Wall, Peggy A. Norton



Practical Urodynamics:

Practical Urodynamics for the Clinician Andrew C. Peterson, Matthew O. Fraser, 2015-11-12 This text provides a comprehensive state of the art review of this field and will serve as a valuable practical resource for clinicians with an interest in conducting urodynamics The book reviews new data about the indications conduct and interpretation of various aspects of urodynamic testing With an emphasis on clinical urodynamics it is arranged into sections that correspond with the basic elements of urodynamic testing noninvasive urodynamics uroflow and post void residual cystometrogram storage studies leak point pressures stability compliance and capacity and voiding phases pressure flow study Other testing modalities that are discussed include EMG testing fluoroscopy and provocative maneuvers Practical Urodynamics for the Clinician will serve as a very useful and practical resource for physicians and researchers dealing with and interested in this complex physiologic testing tool It will provide a concise yet comprehensive summary of the field that will help guide the selection of patients for the study preparation of the patient the conduct of the study and finally the interpretation of the urodynamics evaluation

Practical Urodynamics Victor W. Nitti, 1998 A concise and comprehensive user friendly reference that answers practical questions concerning urodynamics Addresses the technical and medical expertise needed to perform and interpret urodynamic studies in general and in a disease specific situation Stresses simplicity and practicality and covers the components of the urodynamic evaluation videourodynamics technical aspects of the urodynamic evaluation bladder outlet obstruction neurogenic voiding dysfunction urodynamicism female urology pediatric urology and much more Features 160 helpful illustrations

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Practical Urogynecology L. Lewis Wall, Peggy A. Norton, 1993

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correcting incontinence and discusses new drugs and injectables for incontinence The book also describes the use of biosynthetic material to aid in surgical repair

Rapid and Practical Interpretation of Urodynamics Eric S. Rovner, Michelle E. Koski, 2014-12-05 This volume provides practitioners with a practical easy to read well organized approach to the performance and analysis of urodynamics in order to optimize their usage clinically Chapters are structured around specific types of patterns seen on urodynamic tracings These urodynamic tracings are annotated and fully interpreted by the authors Multiple examples of each type of tracing are provided with expert commentary The expert commentary expands on the potential clinical significance of the tracing provides a differential diagnosis and where appropriate discusses its importance diagnostically prognostically and the implications for clinical management The text contains chapters on virtually all the relevant urodynamic findings and clinical conditions seen in practice including lower urinary tract conditions in both adults and children neurogenic and non neurogenic dysfunction and other commonly seen conditions such as lower urinary tract obstruction vaginal prolapse and detrusor overactivity The material is also presented in a practical manner with special consideration to the latest national and international guidelines Written by authorities in the field **Rapid and Practical Interpretation of Urodynamics** is a valuable resource that fills a key gap by providing a systematic method of interpretation of urodynamic tracings in an easy to understand textbook that will benefit urologic trainees and experienced urologists alike

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Smith and Tanagho's General Urology, 19th Edition Jack W. McAninch, Tom F. Lue, 2020-03-27 The definitive guide to understanding diagnosing and treating urologic disorders now in full color for the first time A Doody's Core Title for 2023 Smith Tanagho's General Urology Nineteenth Edition offers a complete overview of the diagnosis and treatment of the diseases and disorders managed by urologic surgeons This trusted classic delivers a clear concise presentation of the etiology pathogenesis clinical findings differential diagnosis and medical and surgical treatment of all major urologic conditions The well organized user friendly design makes relevant clinical information and management guidelines easy to find and simple to implement NEW full color presentation High yield descriptions of the latest diagnostic modalities and management protocols More than 1 000 illustrations and figures including CT scans radionuclide imaging scans and x rays NEW chapters on female urology and pediatric urology Ideal for residents and medical students who require a concise and comprehensive reference Great for board preparation

Urodynamics Made Easy Christopher R. Chapple, Scott A. MacDiarmid, 2000 This Second Edition of the acclaimed book is a concise introductory guide to urodynamic test the interpretation of traces and understanding the equipment which diagnoses different types of urinary incontinence which are

scientific and often difficult to understand Totally updated to include new equipment and new tests this is an internationally authored comprehensive reference source **Urodynamics** A. R. Mundy,T. P. Stephenson,Alan J. Wein,1984

Urodynamics and the Evaluation of Female Incontinence Peter K. Sand,Donald R. Ostergard,2012-12-06 A practical primer for physicians wanting to learn about simple and complex urodynamic testing The clear concise workbook structure allows for quick reference to multichannel urodynamic tracings and their interpretation Brief but thorough discussion of the underlying theory and concepts behind urodynamic testing enable readers to gain a firm grasp of the implications of test results in individual patients It provides an understanding of all the techniques used for the evaluation and treatment of the incontinent or lower urinary tract dysfunctional female patient and also includes a quick reference guide to outpatient treatment In contrast to other didactic texts this book allows readers to initiate testing programs and will thus be of practical benefit to all those interested in improving patient care Urodynamics Walter A. Keitzer,Gene C. Huffman,1971

Gynecologic Urology and Urodynamics Donald R. Ostergard,1985 Prostatic Diseases Herbert Lepor,2000 This comprehensive text focuses on the management of prostate diseases With an emphasis on benign prostatic hyperplasia BPH and prostate cancer coverage is broad yet definitive Contributors are internationally recognized authorities

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