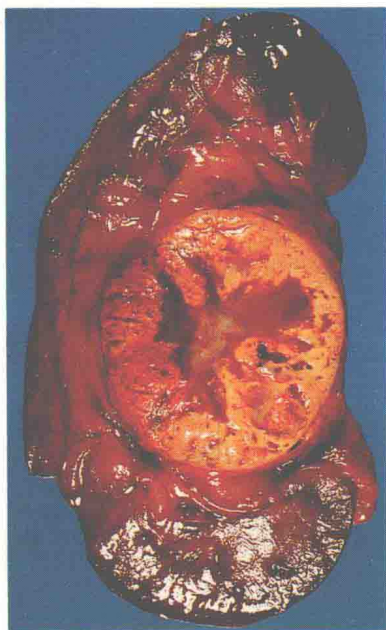


DIAGNOSTIC PICTURE TESTS IN

Urology



N.J.R. GEORGE
P. SAMBROOK

DIAGNOSTIC PICTURE TESTS IN UROLOGY

N. J. R. George
MD, FRCS

Senior Lecturer and Consultant in Urology
University Hospital of
South Manchester, England

P. Sambrook
FRCR

Consultant Radiologist
University Hospital of
South Manchester, England

**M Mosby
Year Book**

St. Louis Baltimore Boston Chicago London Philadelphia Sydney Toronto

Mosby Year Book

Dedicated to Publishing Excellence

Mosby-Year Book, Inc.
11830 Westline Drive
St. Louis, MO 63146

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Published in 1991 with rights in the USA, Canada and Puerto Rico
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ISBN 0-8016-6289-3

English edition first published in 1991 by Wolfe Publishing Ltd,
2-16 Torrington Place, London WC1E 7LT, UK.

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Library of Congress Cataloging-in-Publication Data has been
applied for.

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Preface

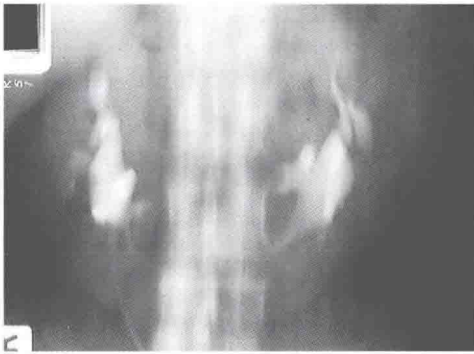
There can be few branches of medicine that illustrate the rapid evolution of diagnostic techniques as well as the speciality of urological surgery. From 'cutting for stone' to Extra-corporeal Shock Wave Lithotripsy, the art of the nineteenth century has turned into the space age science of the twenty-first; the present-day urologist has inherited a wealth of technical ingenuity undreamed of by his forebears.

Modern diagnostic urology is thus able to call upon a complex blend of symptoms, an assortment of visual and palpable signs and a formidable array of radiological scans, biochemical assays and pathophysiological measurements. This text, therefore, not only illustrates common pathological processes by conventional means, but also explains the nature and drawbacks of available investigations, the rationale for their use and the specific aims of treatment. Some diseases are discussed from a variety of standpoints; other disorders are included because they demonstrate the advantages of a particular line of investigation or the limitation of certain tests. Throughout, the essential and expanding contribution of radiology to urological practice is emphasized in depth.

It is to be hoped that both undergraduate and postgraduate students will benefit from this educational approach, which seeks to replace the tedium of learning 'parrot fashion' by the more rewarding experience of pursuing knowledge by rational analysis and reasoned argument.

Acknowledgements

We gratefully acknowledge the cooperation of the Medical Illustration Department, Withington Hospital, who are responsible for much of the clinical photography in this book. We also thank consultant colleagues and those patients who allowed themselves to be photographed. Mrs Gillian Trimble kindly typed the text.



1

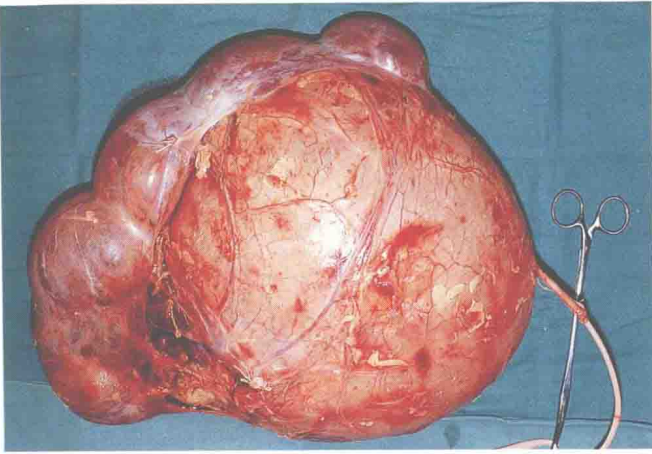


2

1, 2 IVU examinations of patients 1 and 2 with the same congenital anomaly.

- What is the underlying lesion?
- What complication does the patient in 2 show?
- What other complications occur in this condition?
- What unassociated abnormality is present in the left kidney of the patient in 1?

3



4

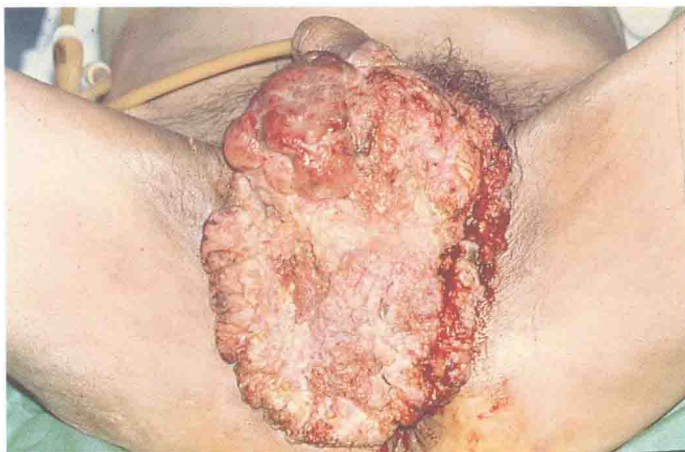


- 3, 4 (a) What is this congenital disorder?
 (b) What is the important feature shown?
 (c) What are the characteristic symptoms?
 (d) What is the usual treatment?



5

- 5 (a) What is this lesion?
- (b) What are the usual presenting clinical features?
- (c) What are less common presentations?
- (d) What is the next essential radiological investigation?



6

6 Male, aged 76, continuous incontinence.

- (a) What is this lesion?
- (b) What predisposing factors may influence development?
- (c) What is the treatment?
- (d) In this case, how may urinary leakage be treated?

7



7 Male, 70, metastatic prostatic cancer.

- (a) What is this lesion?
- (b) What is its significance?
- (c) How might this be confusing?
- (d) What other enquiry might be made?

8

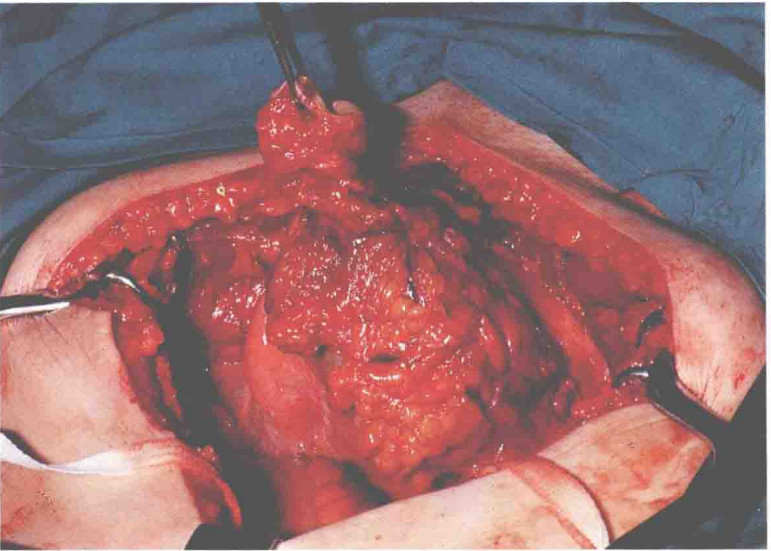


- 8 (a) What is the abnormality?
- (b) What is the usual age of presentation?
- (c) What are the usual clinical features?
- (d) What is the common site of metastatic spread?

9



10



9, 10 Male, aged 72: blood and mucus per urethram.

- What is this disorder?
- How common is it?
- Where does it originate?
- What is the primary treatment?

11



12



11, 12 (a) What does this IVP show?

(b) What is a more accurate method of imaging this condition?

(c) What is the mode of inheritance?

(d) What are the usual clinical presenting features?