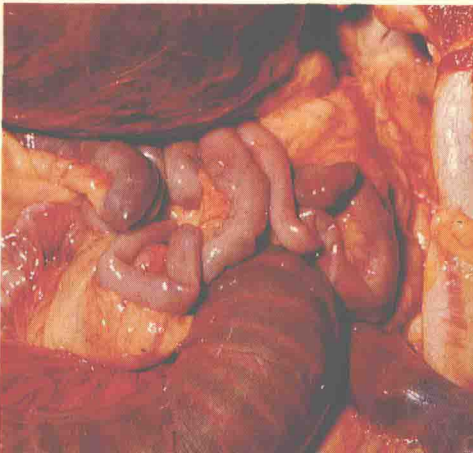


DIAGNOSTIC PICTURE TESTS IN

GENERAL SURGERY

W. Walker



DIAGNOSTIC PICTURE TESTS IN

GENERAL SURGERY

William F Walker

ChM, DSc, FRCS(Edin.), FRCS(Eng.)

Senior Consultant Surgeon and
Honorary Professor of Vascular Surgery,
Ninewells Hospital and
University of Dundee, Scotland



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Preface

As in all medicine, diagnosis in surgery is based upon a careful history of the patient's complaint, complete examination both of the system involved and of relative systems, followed by investigative techniques. Even then a number of possibilities may exist, when only diagnostic acumen, gained over years of experience and thought, may lead to the correct diagnosis.

The next question is how to make an absolute diagnosis and connect that with the most efficient therapy.

Colour atlases, or question and answer aids such as this one, cannot replace the clinician's diagnostic and therapeutic abilities in a few explanatory words. It is hoped that thoughtful examination of the challenges posed by the questions based upon the illustrations may refresh the memory of the clinician and, thereby, improve his/her own experiences.

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I gratefully thank my surgical colleagues Mr M.H. Lyall and Mr P.E. Preece who generously contributed material; Dr G. Howie of the Department of Radiology, Professor G. Murdoch and Mr A. Jain of the Department of Orthopaedics, Dundee Royal Infirmary; also the Department of Medical Illustration at Ninewells Hospital for their help.

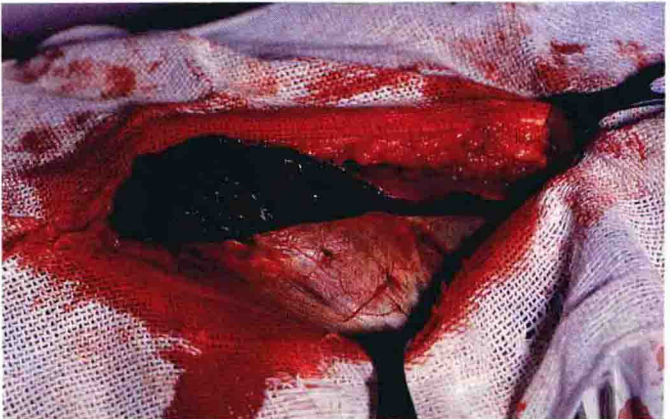


1

- 1 (a) What is this dangerous condition?
- (b) How may it start?
- (c) What symptoms may be present?
- (d) What complications may occur?

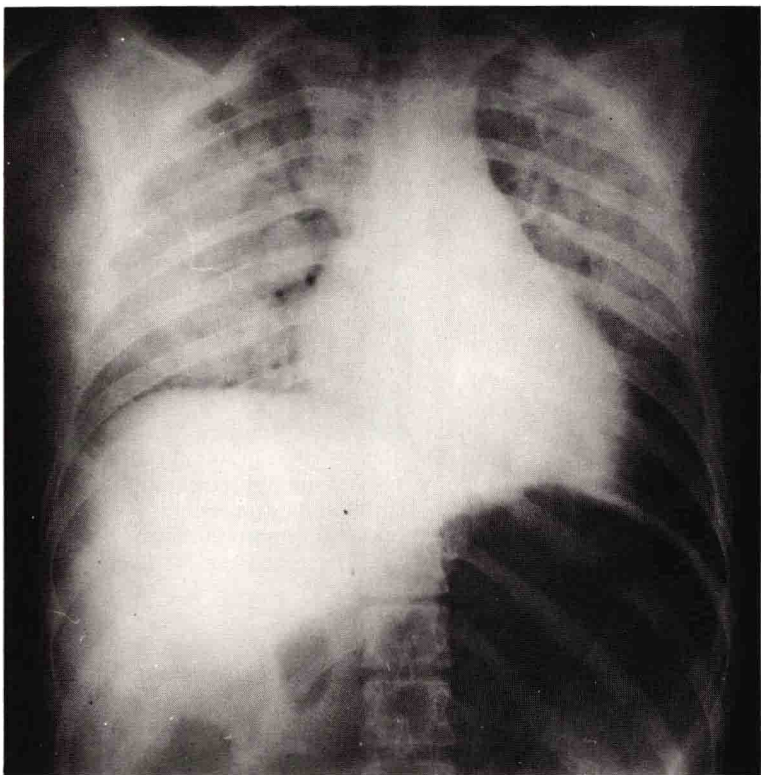
2 A patient was admitted with sudden onset of abdominal pain and a swelling in the lower abdomen. The rectus sheath was opened.

- (a) What was the problem?
- (b) How did it happen?
- (c) In what type of people is it more common?
- (d) What is the eponymous name of a test applied in diagnosis?



2

3



3 X-ray of a patient who developed severe dyspnoea after vomiting. Blood gases were markedly abnormal.

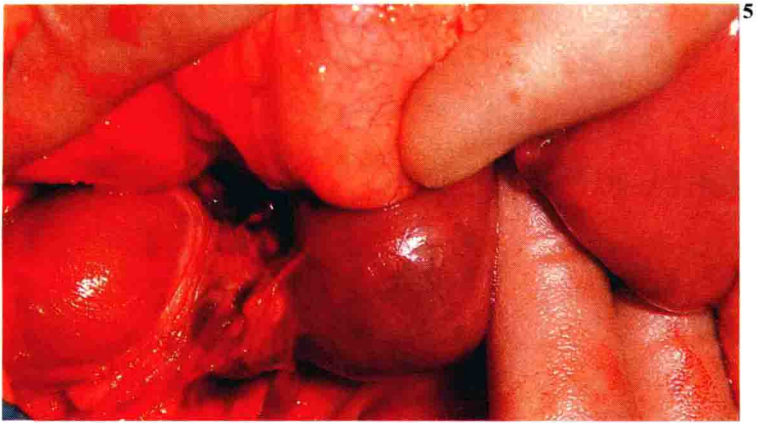
- (a) What is illustrated?
- (b) What is the eponymous name of this condition?
- (c) Why is there a change in blood gases?

4



4 A problem in the newborn.

- (a) What are the possibilities and what is the difference between them?
- (b) What treatment would you advise?



5 A lesion is present in the 3rd part of the duodenum, causing obstruction.

- (a) Give the possible causes.
- (b) What is the most likely diagnosis?
- (c) What treatment is advocated?
- (d) What is the prognosis?

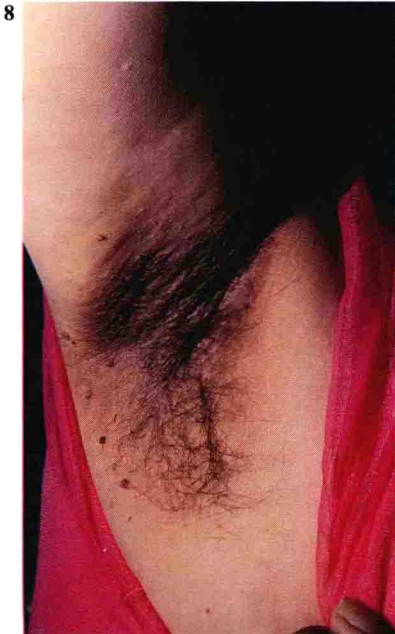
6 (a) What is the lesion shown?

(b) What problem might it cause to the surgeon?





7 A man who had burns on his left arm and chest developed a slow-growing ulcer in his left arm years later.
(a) What is this?
(b) What is its eponymous name?



8 This lady was referred to surgery with abdominal discomfort.
(a) What dermatological change is present?
(b) What is the relationship?



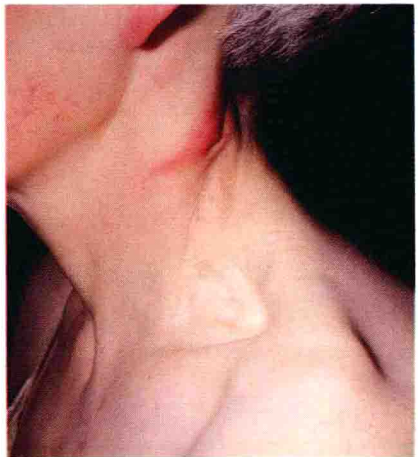
9

9 This young man was referred to surgical outpatients.

- (a) What is shown?
- (b) What is it associated with?
- (c) Is it seen with other conditions?

10 An elderly lady presented with a reddened area on the left side of her neck; there was some discharge.

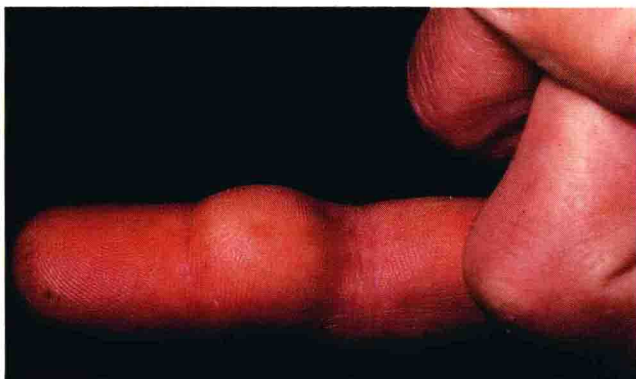
- (a) What is the probable diagnosis?
- (b) How can the diagnosis be established?
- (c) Why does it appear so late in life?



10



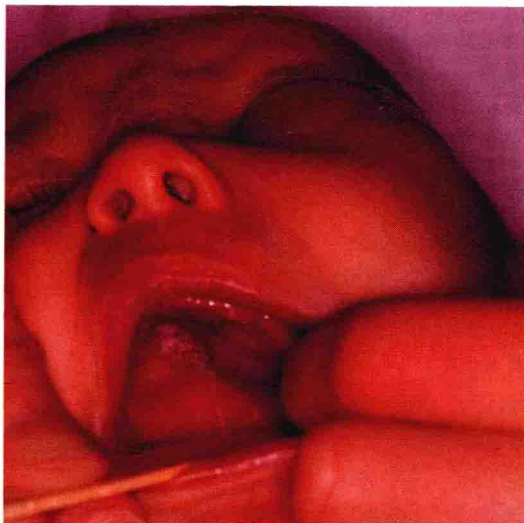
- 11** (a) What are the diagnostic features of this barium enema?
(b) How is the diagnosis confirmed?
(c) What complications can occur?



12

- 12** (a) What is this and what might be the patient's occupation?
 (b) What diagnostic feature is shown?

- 13** (a) What is this condition?
 (b) What is the origin of the infection?
 (c) What preventive measures would eliminate this?
 (d) What complications could arise?



13

14



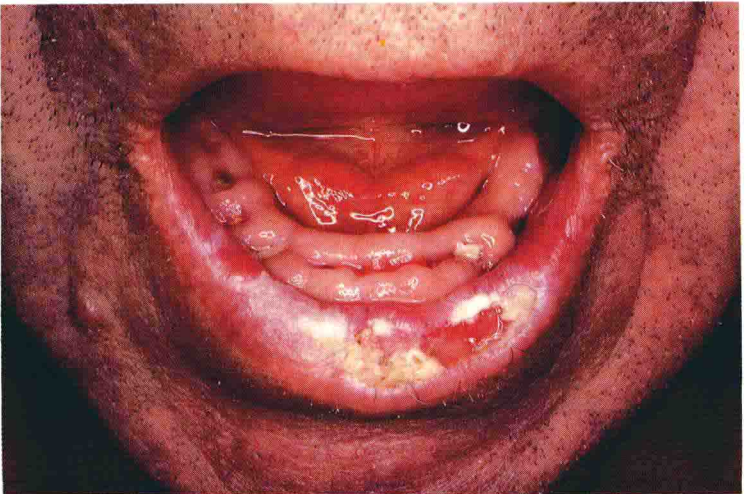
14 (a) Is this lesion malignant?

(b) If not, what changes would indicate such a possibility?

15 (a) What two conditions are illustrated?

(b) What treatment might be instituted?

15

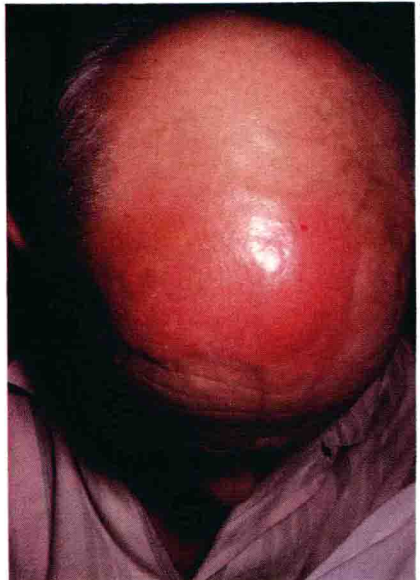




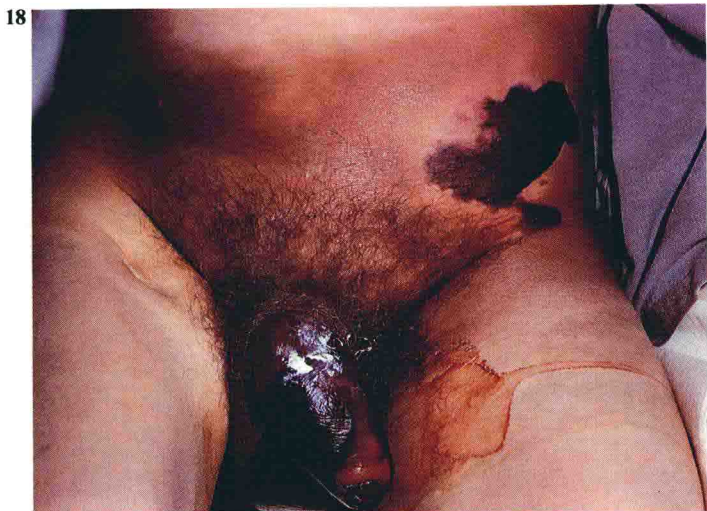
16

- 16** (a) What are the diagnostic features of this lesion?
 (b) How should it be treated?

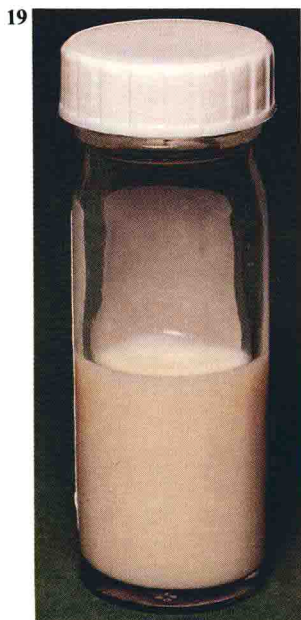
- 17** (a) What is this relatively rare but potentially dangerous condition?
 (b) How does it arise?
 (c) What characteristic features are apparent?



17



- 18** (a) What is this condition and its eponymous name?
 (b) What is the underlying cause?
 (c) What treatment may be applied?



- 19** This was aspirated from the peritoneal cavity.
 (a) What is it and what is the condition?
 (b) How would you classify the various causes?
 (c) What is the common cause?