There was no bile leak in any of the 10 patients. Surgical site infections were seen only in 2 patients. Mean follow up was 9 months with no evidence of recurrence.

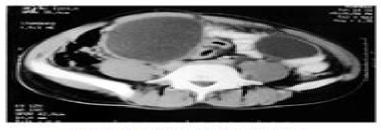


Figure 2: Peritoneal hydatid cyst.

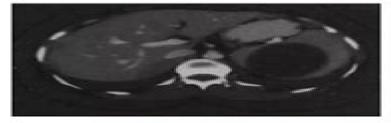


Figure 3: Splenic hydatid cyst.

DISCUSSION

Intra-abdominal hydatid disease always poses a technical challenge to the attending surgeon due to involvement of a variety of organs. 1,2 Liver is most commonly involved. Spleen may also be involved either in isolation or in association with hepatic hydatids. Peritoneal and omental hydatids usually are due to dissemination. Hence these constitute secondary ecchinococcal cysts. Surgery is the mainstay of treatment.

In the present study all 10 patients were males. There is no specific sex predilection. However, males are commonly involved by virtue of rough outdoor involvement with livestock management. The mean age of the patients was 33.2 years.

5 out of 10 patients studied hailed from rural settings whereas 5 were from urban settings. Of the 5 urban dwellers, 1 had disseminated hydatid disease in the liver, omentum and pelvic peritoneum. 5 patients gave typical history of prelonged and close contact with livestock. Contact with livestock may be closely associated with increased incidence of hydatid disease. In the present study 1 patient who was a butcher by profession had disseminated hydatid disease. Humans are an accidental

host. 8 out of 10 patients presented with symptoms of fullness of the abdomen. The symptom of abdominal fullness is due to massive enlargement of either the liver due to the cyst or due to a large cyst occupying a significant portion of the peritoneal cavity as seen in 1 of the patients with multiple cysts. 4.3 The other common presentation is lump in abdomen. This is usually due to massive hepatomegaly, splenomegaly or a cystic swelling in the peritoneal cavity.³

Physical examination will reveal hepatomegaly, splenomegaly or the presence of a cystic swelling in the peritoneal or pelvic cavity. Haematological investigations revealed anaemia in only 2 cases. This may be attributable to low intake of food due to early satiety caused by fullness of the abdomen. Liver fanction tests were surprisingly with in normal limits in all 10 patients.

Diagnosis was confirmed by imaging. To start with an ultrasound was done in all cases which typically revealed cystic masses with internal echoes and internal septations. However, the exact site, size and the contents could only be ascertained by a contrast enhanced CT of the abdomen (CECT). CECT is mandatory in all patients in whom surgery is contemplated. It provides a road map to the surgeon to plan the access to the cyst.

Of the 10 patients, 8 had liver involvement, 1 had isolated splenic involvement and 1 had cysts in the liver and in the peritoneal cavity. Liver is the commonest site for intra-abdominal hydatids. This may be due to filtration function of the liver where in the parasites are filtered off in the liver. However, these localize and develop full blown cysts due to a nutritionally conducive environment. Spleen is the organ next affected in the abdominal cavity. However, cases of splenic hydatid are extremely rare. Peritoneal hydatids are usually secondary hydatids due to rupture and dissemination.

The decision for surgical intervention depends upon two very important factors: 1) Patients general condition and, 2) characteristics of the cyst. Large cysts involving solid organs in the peritoneal cavity warrant prompt surgical intervention.⁸ Small calcified cysts which are deep scated posing difficulty in access may be managed conservatively.^{8,9}

The structure of the cyst wall is critical to surgical management. 19 In solid organs such as the liver and spleen, compressed parenchymatous tissue admixed with rich vasculature make surgical intervention problematic. Therefore, in the liver, peri-cyst is never resected. 19 Same applies to splenic hydatids where it is impossible to remove the cyst. Hence in the context of spleen, splenectomy is the treatment of choice (Figure 4). Two approaches have been advocated for managing hepatic hydatids. The radical approach comprises of a non-anatomical hepatic resection. This may at times attain the level of over treatment. It may also give rise to complications thereby increasing the morbidity.

Surgery Of Hydatid Disease

EW Minium

Surgery Of Hydatid Disease:

Surgery of Hydatid Disease Farrokh Saidi,1976 Hydatid Disease Sami Akbulut, 2025-09-30 Hydatid disease also known as echinococcosis is a parasitic infection caused by tapeworms from the genus Echinococcus and affects a significant percentage of the world's population Four species of Echinococcus are known to infect humans Among these E granulosus and E multilocularis are the most common responsible for causing cystic and alveolar echinococcosis respectively In contrast E vogeli and E oligarthrus lead to polycystic echinococcosis although human incidence is relatively rare Hydatid disease is a rare clinical condition that can affect nearly any organ in the body This suggests that clinicians from various specialties particularly those working in endemic regions may encounter hydatid disease in their practice. This unique book offers a comprehensive overview of cystic and alveolar echinococcosis which together constitute the most significant portion of hydatid disease as it affects various human organs It begins with a brief history of hydatid disease and outlines the different transmission modes of E granulosus and E multilocularis Furthermore it discusses preventive measures clinical presentations and various treatment approaches By addressing hydatid disease across multiple organ systems collectively the book serves as an essential resource for clinicians involved in its management. The primary goal of this book is to tackle the challenges faced in managing this rare disease This resource is designed specifically to bridge the gap in the comprehensive management of hydatid disease as many clinicians and specialists focus only on aspects relevant to their own fields However since hydatid disease is a systemic issue affecting multiple organ systems this multidisciplinary approach is crucial to avoid overlooking the broader impact during localized treatment This book is a valuable guide for clinicians across all medical specialties including physicians in radiology medical microbiology and parasitology Given the significant clinical and epidemiological burden of hydatid disease this book provides healthcare providers with the knowledge and tools necessary for effective patient care The Surgical Management of Parasitic Diseases George Tsoulfas, Jamal J. Hoballah, George C. Velmahos, Yik-Hong Ho, 2020-07-23 This book is designed to present a comprehensive and state of the art approach to the diagnosis and surgical management of parasitic diseases involving different organ systems with emphasis on the gastrointestinal tract It is divided into five parts that address the various etiologies current diagnostic dilemmas and methods as well as the key principles involved in their surgical management. The introduction presents the overall epidemiology and classification of parasitic diseases followed by chapters that focus on different types of the most frequently encountered parasitic diseases of the gastrointestinal tract found in different parts of the world with special attention given to the existing surgical debates regarding the use of minimally invasive procedures. The next part places special emphasis on hydatid disease by describing the current extent of this disease changes in its management and the most frequent complications and tips on how to avoid them The following part discusses the surgical management of parasitic diseases affecting different organ systems including the heart the lungs the brain and the urinary system The final part presents the surgical dilemmas

encountered in special situations such as pregnancy and the pediatric patient The Surgical Management of Parasitic Diseases is an important and authoritative resource to surgeons of all specialties dealing with parasitic diseases Overview on **Echinococcosis**, 2020-04-22 We are very pleased to present this book dealing with echinococcosis The chapters of this book are written by surgeons radiologists and parasitologists from different hospitals in several countries as Tunisia Turkey Indonesia Nigeria Romania Chile and Iraq This book is intended for clinicians radiologists internists and surgeons involved in the management of patients with echinococcosis **Hydatid Disease** Yervant D. Jidejian, 1979 **Hydatidosis of the Central Nervous System: Diagnosis and Treatment** Mehmet Turgut, 2014-05-12 Hydatid disease a zoonotic infection caused by a tapeworm of the genus Echinococcus has been encountered in various organs in humans In spite of all the advances in imaging techniques and therapeutic methods hydatidosis of the central nervous system is still a life threatening condition in infested areas of the world This is the first comprehensive reference book on hydatidosis of the central nervous system It is written and edited by leading international authorities from infested areas and provides an in depth review of diagnosis and management Clinical and neuroradiological findings are extensively documented with the aid of numerous original photographs and the role of surgical intervention and chemotherapy is carefully appraised In addition future avenues and innovative therapeutic philosophies are discussed This book will serve as an ideal source of up to date information for all with an interest in this debilitating disease Manson's Tropical Diseases Gordon Charles Cook, Alimuddin Zumla,2009-01-01 Providing the latest coverage on emerging and re emerging diseases from around the world such as tuberculosis and malaria this updated guide contains boxes and tables that highlight key information on current therapies This edition includes online access for more information Textbook of Neurosurgery Prakash Narain Tandon, 2012

Cumulated Index Medicus ,1966 Human Abdominal Hydatidosis Ajaz Ahmad Malik, Shams ul Bari, 2019-01-22
The book explores various aspects of hydatid disease including the background parasitology epidemiology etiology
pathogenesis and presentation in humans It features dedicated chapters on hydatidosis of liver spleen peritoneum kidney
pelvis and disseminated hydatid disease and also provides detailed information on the latest surgical and non surgical
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undergraduate and postgraduate students of surgery and medicine but is also useful to veterinary science students and
pharmaceutical companies Further it serves as a valuable reference resource for academics and researchers in associated
fields Operative Thoracic Surgery Fifth Edition Larry R Kaiser, Glyn Jamieson, 2006-08-25 Previous editions of this
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comprehensive reference to operative procedures in this area the book illustrates each procedure by a series of high quality
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and justification of choosing each procedure pre operative assessment and preparation post operative care and outcomes The book is a gold standard teaching aid on operative thoracic surgery and in addition an invaluable reference for experienced **Principles and Practice of** thoracic and cardiothoracic surgeons approaching unfamiliar or uncommon procedures Surgical Oncology Howard Silberman, Allan W. Silberman, 2012-03-28 Principles and Practice of Surgical Oncology uniquely emphasizes a multidisciplinary integrated approach to the treatment of solid tumors It presents treatment strategies that combine surgery with preoperative or postoperative adjunctive chemotherapy hormonal therapy and or radiation therapy to achieve optimal outcome The book features contributions from surgeons basic scientists pathologists radiologists radiation therapists and medical oncologists and offers a comprehensive presentation of genetics molecular biology pathogenesis and multimodal therapeutic approaches A unique feature of the book is a commentary following each chapter which describes alternative approaches and discusses controversial areas of current therapy A companion Website will offer the fully searchable text with images **Epilepsy, Part II: Treatment** Hermann Stefan, William H. Theodore, 2012-12-31 Epilepsy Part II Treatment Volume 108 provides a full description of epilepsy pathology and etiology antiepileptic drug treatment the approach to surgical evaluation and alternative procedures to be considered in both children and adults as well as brain stimulation and diet treatment Economic and psychosocial issues such as stigma are fully covered The special problems of epilepsy treatment in the developing world are described Chapters are authored by internationally respected neurologists with varied perspectives insuring depth to the content Epilepsy Part I Basic Principles and Diagnosis Volume 107 establishes the scientific and practical diagnosis of epilepsy The volumes will be a very important resource for basic scientists clinical investigators and all health professionals treating patients with epilepsy A volume in the Handbook of Clinical Neurology series which has an unparalleled reputation as the world's most comprehensive source of information in neurology International list of contributors including the leading workers in the field Describes the advances which have occurred in clinical neurology and the neurosciences their impact on the understanding of neurological disorders and on patient care

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credibility More information is available at http www ScholarlyEditions com Index Medicus, 2004 Vols for 1963 include as pt 2 of the Jan issue Medical subject headings **Echinococcosis** Tonay Inceboz, 2017-11-15 Echinococcosis is an important zoonotic helminth disease all over the world since some forms may be fatal The most common species leading to echinococcosis are Echinococcus granulosus Echinococcus multilocularis Echinococcus vogeli and Echinococcus oligarthrus Although it has been known for many years it keeps its interesting features In this book we aimed to update our knowledge on echinococcosis focusing on current research advances new horizons for drug therapy and surgical management including surgical complications I cordially believe that this book on echinococcosis will also motivate the future scientists to accomplish more studies on this issue Advances in Endoscopy Research and Application: 2013 Edition, 2013-06-21 Advances in Endoscopy Research and Application 2013 Edition is a ScholarlyEditions book that delivers timely authoritative and comprehensive information about Laparoscopy The editors have built Advances in Endoscopy Research and Application 2013 Edition on the vast information databases of ScholarlyNews You can expect the information about Laparoscopy in this book to be deeper than what you can access anywhere else as well as consistently reliable authoritative informed and relevant The content of Advances in Endoscopy Research and Application 2013 Edition has been produced by the world s leading scientists engineers analysts research institutions and companies All of the content is from peer reviewed sources and all of it is written assembled and edited by the editors at ScholarlyEditions and available exclusively from us You now have a source you can cite with authority confidence and credibility More information is available at http www Current Topics in Echinococcosis Alfonso J. Rodriguez-Morales, 2015-09-02 Echinococcosis ScholarlyEditions com remains an important cause of morbidity and mortality in certain areas of the world tropical and non tropical particularly in rural settings This book includes different topics with regard to the epidemiology biology clinical manifestations treatment and prevention of the wide spectrum of diseases caused by the different species of Echinococcus involved in human and animal infection with an aim to update the most significant research in many of them as well as to offer a multinational perspective on different aspects The book has been organized into three major sections I Epidemiology II Biological and Clinical Aspects and III Treatment and Prevention Section I includes topics covering epidemiological studies in Colombia Chile Mexico and Tunisia including molecular biology approaches to the study of parasite species Section II includes topics covering the biology of some Echinococcus species affecting mainly animals as also the human clinical manifestations in the central nervous system CNS genitourinary tract and other organic typical and atypical locations as well as radiological manifestations of pulmonary disease Section III includes topics on the usefulness of immunotherapy for antihelmintic treatment and intervention strategies Index-catalogue of Medical and Veterinary Zoology, 1982 Supplements 1 14 have Authors sections only supplements 15 24 include an additional section Parasite subject catalogue **Echinococcus and Hydatid Disease** R. C. A. Thompson, A. J. Lymbery, 1995 Hydatid disease echinococcosis caused by the tapeworm

Echinococcus is a public health and economic problem of global proportions Treatment of this zoonotic infection usually requires major surgery and the prognosis for some forms of the disease is poor Control efforts have had little impact globally and new foci of infection and regions of endemicity have recently been recognized However in addition to its medical veterinary and economic significance Echinococcus is an intriguing biological phenomenon This book presents a complete synthesis of all aspects of Echinococcus and Hydatid Disease It builds on the success of a previous volume The Biology of Echinococcus and Hydatid Diseaseby Allen Unwin 1986 and details the major advances that have taken place since In addition the scope of the book has been broadened to include genetics evolutionary biology epidemiology and clinical features The overriding theme of the book is that a comprehensive understanding of the biology of Echinococcus is essential for the effective treatment and control of Hydatid Disease The links between laboratory knowledge and field applications are emphasised throughout the book Consequently research workers teachers and students of parasitology clinicians and field workers will find this work an indispensable source of information but it will also provide a model for the integration of basic and applied research in parasitology

Surgery Of Hydatid Disease Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the power of words has become more evident than ever. They have the capability to inspire, provoke, and ignite change. Such may be the essence of the book **Surgery Of Hydatid Disease**, a literary masterpiece that delves deep to the significance of words and their effect on our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall affect readers.

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