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Gynecologic Cancer Cancer

Controversies in Management

GYNECOLOGIC CANCER

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This book is dedicated to all those women with gynecologic cancers who, in the face of information gaps and therapeutic controversies, have participated in clinical trials. Their hope, faith, courage, and the support of their families have taught us invaluable lessons about the human spirit.

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Perioperative Care

Lynda D. Roman, MD

Associate Professor of Gynecologic Oncology, University of Southern California Keck School of Medicine, Los Angeles, California

Gynecologic Cancer in Pregnancy

Robert Rome, MBBS, FRCSEd, FRCOG, FRANZCOG, CGO

Senior Fellow, Department of Obstetrics and Gynaecology, University of Melbourne; Associate Director, Oncology and Dysplasia Unit, Royal Women's Hospital, and Gynecologic Oncologist, Freemasons Hospital, Melbourne, Australia

Management of Superficially Invasive Carcinoma of the Cervix

Peter G. Rose, MD

Professor, Division of Gynecologic Oncology, Department of Obstetrics and Gynecology, Case Western Reserve University School of Medicine; Director, Division of Gynecologic Oncology, Cleveland Clinic Medical Center, Cleveland, Ohio

Locally Advanced Cervical Cancer

Stephen C. Rubin, MD

Franklin Payne Professor of Gynecologic Oncology, University of Pennsylvania School of Medicine; Chief, Division of Gynecologic Oncology, University of Pennsylvania Medical Center, Philadelphia, Pennsylvania

Management of Intestinal Obstruction in the Terminal Patient and Management of Ascites

Barnaby Rufford, MBBS, MRCOG

Clinical Research Fellow, St. Bartholomew's Hospital, London, United Kingdom

Screening and Diagnosis of Ovarian Cancer in the General Population

Anthony H. Russell, MD

Associate Professor of Radiation Oncology, Harvard Medical School; Radiation Oncologist, Massachusetts General Hospital, Boston, Massachusetts

Advanced-Stage Vulvar Cancer

Scott Saxman, MD

Associate Professor of Medicine, Uniformed Services University of the Health Sciences F. Edward Hébert School of Medicine; Senior Investigator, Clinical Investigations Branch, Cancer Therapy Evaluation Program, Division of Cancer Treatment and Diagnosis, National Cancer Institute, Bethesda, Maryland Melanoma of the Female Genital Tract

Peter E. Schwartz, MD

John Slade Ely Professor of Obstetrics and Gynecology and Vice Chairman, Department of Obstetrics and Gynecology, Yale University School of Medicine; Section Chief, Gynecologic Oncology, Yale-New Haven Hospital, New Haven, Connecticut

Hormonal Treatment of Ovarian Cancer

Michael J. Seckl, MBBS, PhD, FRCP

Professor of Molecular Cancer Medicine, Imperial College School of Medicine; Consultant in Cancer Medicine, Department of Medical Oncology, Charing Cross Hospital, London, United Kingdom

Management of Gestational Trophoblastic Disease

Mark E. Sherman, MD

Expert, Hormonal and Reproductive Epidemiology Branch, Division of Cancer Epidemiology and Genetics, National Cancer Institute, Rockville, Maryland **Epidemiology of Uterine Cancers**

Michael W. Sill, BS(Chem), PhD(Stat)

Adjunct Instructor; Research Assistant Professor, Biostatistics, Department of Biostatistics, State University of New York at Buffalo; Senior Biostatistician, GOG Statistical and Data Center, Roswell Park Cancer Institute, Buffalo, New York

Biostatistics and Clinical Trials

Steven J. Skates, PhD

Assistant Professor of Medicine (Biostatistics), Harvard Medical School; Assistant Biostatistician, Massachusetts General Hospital, Boston, Massachusetts

Tumor Markers in the Diagnosis and Management of Gynecologic Cancers

Harriet O. Smith, MD

Professor, Department of Obstetrics-Gynecology, University of New Mexico School of Medicine, Albuquerque, New Mexico

Adenocarcinoma of the Cervix

Eugene Sobel, PhD

GOG Statistical and Data Center, Buffalo, New York Prevention of Gynecologic Malignancies

Gavin C. E. Stuart, MD

Dean, and Professor, Department of Obstetrics and Gynecology, University of British Columbia Faculty of Medicine; Gynecologic Oncologist, British Columbia Cancer Agency, Vancouver, British Columbia, Canada Ovarian Sarcomas

Charlotte C. Sun, DrPH

Research Instructor, Department of Gynecologic Oncology, University of Texas M.D. Anderson Cancer Center; Adjunct Instructor, University of Texas School of Public Health, Houston, Texas

Quality of Life in the Gynecologic Cancer Patient

Ron E. Swensen, MD

Assistant Professor, Department of Obstetrics and Gynecology, University of Washington School of Medicine; Attending, Division of Gynecologic Oncology, Department of Obstetrics and Gynecology, University of Washington Medical Center, Seattle, Washington

Management of Complications of Radiotherapy

Gillian Thomas, MD

Professor of Radiation, Oncology, Obstetrics and Gynecology, Toronto-Sunnybrook Regional Cancer Center, Toronto, Ontario, Canada

Guillermo Tortolero-Luna, MD, PhD

Associate Professor of Epidemiology, University of Texas School of Public Health; Associate Professor, Department of Gynecologic Oncology, University of Texas M.D. Anderson Cancer Center, Houston, Texas Epidemiology of Cervical, Vulvar, and Vaginal Cancers

Edward L. Trimble, MD, MPH

Associate Professor, Department of Gynecology and Obstetrics, Johns Hopkins University School of Medicine, Baltimore; Associate Chief (Surgery), Clinical Investigations Branch, Cancer Therapy Evaluation Program, Division of Cancer Treatment and Diagnosis, National Cancer Institute, Bethesda, Maryland Melanoma of the Female Genital Tract

Claes Tropé, MD, PhD

Professor and Head, Department of Gynecologic Oncology, The Norwegian Radium Hospital, Oslo, Norway Adjuvant Treatment for Early-Stage Epithelial Ovarian Cancer

Jacobus van der Velden, MD, PhD

Lecturer in Gynecologic Oncology, University of Amsterdam Faculty of Medicine; Staff Specialist in Gynecologic Oncology, Academic Medical Centre, Amsterdam, The Netherlands

Controversies in Early Vulvar Cancer

Paul A. Vasey, MBChB, MSc, MD, FRCP

Reader in Medical Oncology, University of Glasgow Faculty of Medicine; Consultant Cancer Physician, Beatson Oncology Centre, Western Infirmary, Glasgow, Scotland

Primary Chemotherapy for Advanced Epithelial Ovarian Cancer

Jan B. Vermorken, MD, PhD

Professor of Oncology, University Hospital Antwerp; Head, Department of Medical Oncology, University Hospital, Antwerp, Edegem, Belgium

Treatment of Recurrent Uterine Sarcomas

Amanda Vincent, MBBS, BMedSci, PhD, FRACP

Endocrinologist, Menopause Unit and Clinical Nutrition and Metabolism Unit, Department of Endocrinology, Monash Medical Centre, Clayton, Victoria, Australia Menopause and Hormone Replacement Therapy

Steven E. Waggoner, MD

Associate Professor, Division of Gynecologic Oncology, Case Western Reserve University School of Medicine; Chief, Division of Gynecologic Oncology, University Hospitals of Cleveland, Cleveland, Ohio

Molecular Biology of Cervical and Vulvar Carcinoma

Joan L. Walker, MD

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Prevention of Gynecologic Malignancies

Michael J. Wallace, MD

Associate Professor, Interventional Radiology, Department of Diagnostic Radiology, University of Texas M.D. Anderson Cancer Center, Houston, Texas

Interventional Radiology in the Management of Gynecologic Cancers

Bruce Gordon Ward, MBBS, PhD, FRCOG, FRANZCOG, CGO

Mater Medical Centre, South Brisbane, Queensland, Australia

Primary Fallopian Tube Cancer

Michael Wells, BSc(Hons), MD, FRCPath

Professor of Gynaecological Pathology, University of Sheffield Medical School; Honorary Consultant Pathologist, Sheffield Teaching Hospitals, Sheffield, United Kingdom

Hyperplasias of the Endometrium

Haleigh A. Werner, MD

Resident, Department of Radiation Oncology, University of Washington Medical Center, Seattle, Washington

Management of Complications of Radiotherapy

Stephen D. Williams, MD

Professor of Medicine and H.H. Gregg Professor of Oncology, Indiana University School of Medicine; Director, Indiana University Cancer Center, Indianapolis, Indiana

Malignant Ovarian Germ Cell Tumors

Raimund Winter, MD

Professor, University of Graz Faculty of Medicine; Head, Department of Obstetrics and Gynecology, Graz, Austria

Primary Treatment of Uterine Sarcomas

Judith K. Wolf, MD, MS

Associate Professor, Department of Gynecologic Oncology, University of Texas M.D. Anderson Cancer Center, Houston, Texas

Investigational Approaches to the Treatment of Gynecologic Cancers

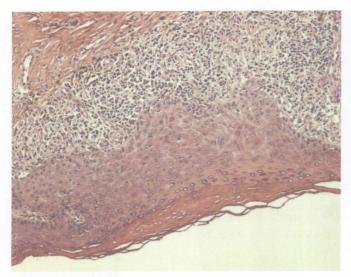


Figure 3–1. Lichen planus, an example of a dermatosis that can be seen in the vulva.

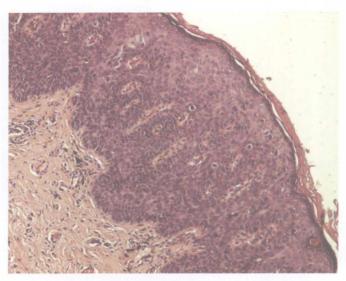


Figure 3–3. Vulvar intraepithelial neoplasia: VIN III, basaloid or undifferentiated type.

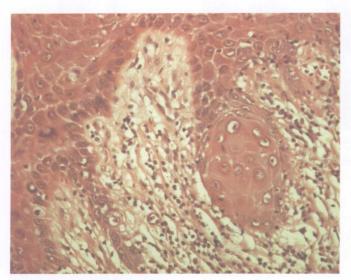


Figure 3–2. Vulvar intraepithelial neoplasia: simplex or differentiated type.

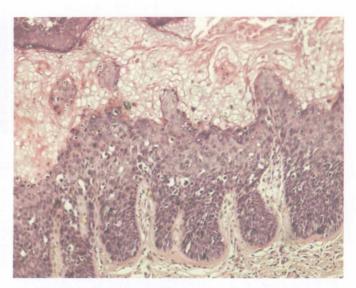


Figure 3–4. Vulvar intraepithelial neoplasia: VIN III, warty or condylomatous type.

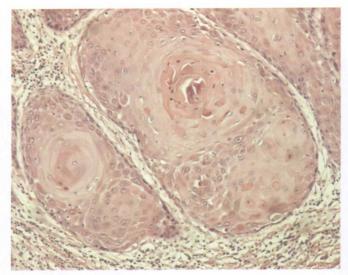


Figure 3–5. Verrucous carcinoma of the vulva. Notice the bulbous pegs and absence of significant atypia.

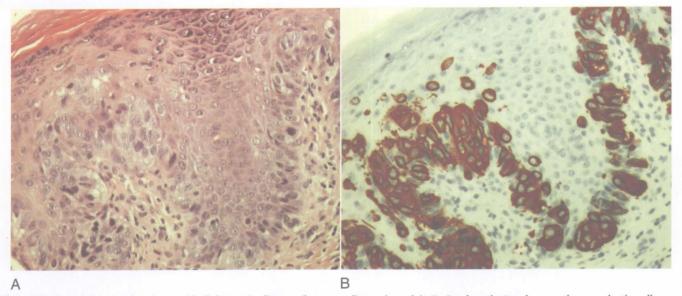


Figure 3–6. A, Primary vulvar intraepithelial Paget's disease (hematoxylin-eosin stain). B, Cytokeratin 7 enhances the neoplastic cells.

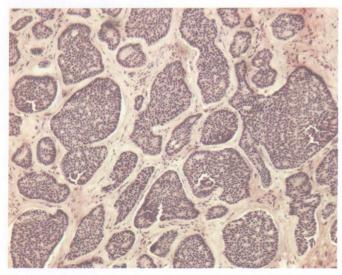


Figure 3-7. Adenoid cystic carcinoma of the Bartholin gland.

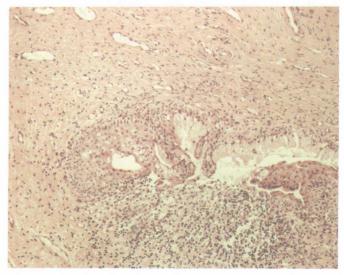


Figure 3–8. Adenosis and metaplastic squamous epithelium.

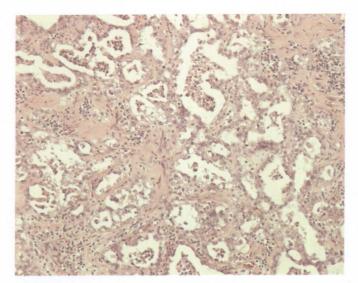


Figure 3-9. Clear cell carcinoma of the vagina.

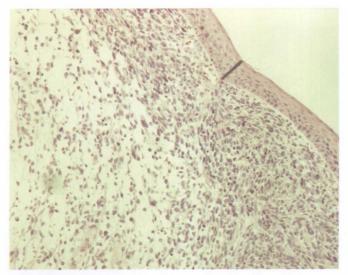


Figure 3-10. Embryonal rhabdomyosarcoma.

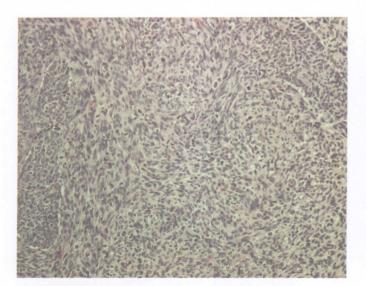


Figure 3–11. Sarcomatoid squamous carcinoma. Islands of typical squamous carcinoma blend into malignant spindle cells.

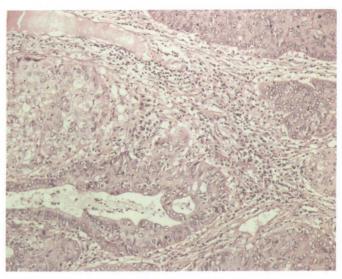


Figure 3–12. Adenosquamous carcinoma. Both malignant squamous and glandular components are present.

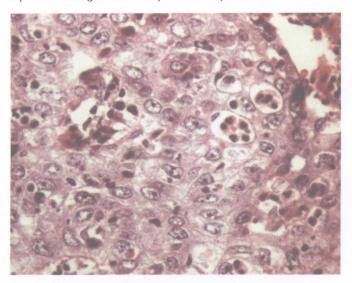


Figure 3–13. Glassy cell carcinoma. The cells have distinct borders, abundant eosinophilic to amphophilic cytoplasm, and large vesicular nuclei with macronucleoli.

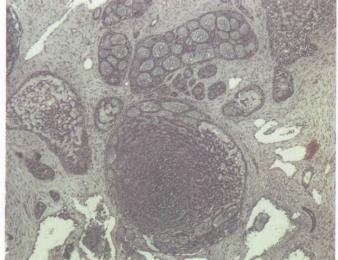


Figure 3–14. Adenoid cystic carcinoma. The tumor has a cribriform pattern with spaces containing mucinous and hyaline material.