

ATLAS OF ENDOMETRIAL HISTOPATHOLOGY

ATLAS OF ENDOMETRIAL HISTOPATHOLOGY ATLAS OF ENDOMETRIAL HISTOPATHOLOGY HISTOPATHOLOGY OF THE ENDOMETRIUM DIAGNOSIS OF ENDOMETRIAL BIOPSES AND CURETTINGS BIOPSY PATHOLOGY OF THE ENDOMETRIUM, 2Ed HISTOPATHOLOGY OF THE ENDOMETRIUM HANDBOOK OF ENDOMETRIAL PATHOLOGY DIAGNOSIS OF ENDOMETRIAL BIOPSES AND CURETTINGS CYTOPATHOLOGY OF THE ENDOMETRIUM RECENT ADVANCES IN HISTOPATHOLOGY ADVANCES IN SURGICAL PATHOLOGY: ENDOMETRIAL CARCINOMA SURGICAL PATHOLOGY OF THE ENDOMETRIUM ATLAS OF GYNECOLOGIC SURGICAL PATHOLOGY CORRELATION BETWEEN ENDOMETRIAL THICKENING AND HISTOPATHOLOGY FINDINGS IN POSTMENOPAUSAL WOMEN DIAGNOSTIC ENDOMETRIAL PATHOLOGY 2E HANDBOOK OF ENDOMETRIAL PATHOLOGY SURGICAL PATHOLOGY OF THE UTERINE CORPUS ATLAS OF TUMOR PATHOLOGY ATLAS OF HISTOPATHOLOGY OF THE CERVIX UTERI THE DIFFICULT DIAGNOSIS IN SURGICAL PATHOLOGY GISELA DALLENBACH-HELLWEG GISELA DALLENBACH-HELLWEG GISELA DALLENBACH-HELLWEG TRICIA A. MURDOCK HILARY BUCKLEY G. DALLENBACH-HELLWEG DEBRA S. HELLER MICHAEL MAZUR YIJING SHU DAVID GEORGE LOWE ANNA SIENKO HARVEY COVE PHILIP B. CLEMENT FERNANDA VILELA YEE KHONG YEE KHONG MICHAEL R. HENDRICKSON GISELA DALLENBACH-HELLWEG NOEL WEIDNER
ATLAS OF ENDOMETRIAL HISTOPATHOLOGY ATLAS OF ENDOMETRIAL HISTOPATHOLOGY HISTOPATHOLOGY OF THE ENDOMETRIUM DIAGNOSIS OF ENDOMETRIAL BIOPSES AND CURETTINGS BIOPSY PATHOLOGY OF THE ENDOMETRIUM, 2Ed HISTOPATHOLOGY OF THE ENDOMETRIUM HANDBOOK OF ENDOMETRIAL PATHOLOGY DIAGNOSIS OF ENDOMETRIAL BIOPSES AND CURETTINGS CYTOPATHOLOGY OF THE ENDOMETRIUM RECENT ADVANCES IN HISTOPATHOLOGY ADVANCES IN SURGICAL PATHOLOGY: ENDOMETRIAL CARCINOMA SURGICAL PATHOLOGY OF THE ENDOMETRIUM ATLAS OF GYNECOLOGIC SURGICAL PATHOLOGY CORRELATION BETWEEN ENDOMETRIAL THICKENING AND HISTOPATHOLOGY FINDINGS IN POSTMENOPAUSAL WOMEN DIAGNOSTIC ENDOMETRIAL PATHOLOGY 2E HANDBOOK OF ENDOMETRIAL PATHOLOGY SURGICAL PATHOLOGY OF THE UTERINE CORPUS ATLAS OF TUMOR PATHOLOGY ATLAS OF HISTOPATHOLOGY OF THE CERVIX UTERI THE DIFFICULT DIAGNOSIS IN SURGICAL PATHOLOGY GISELA DALLENBACH-HELLWEG GISELA DALLENBACH-HELLWEG GISELA DALLENBACH-HELLWEG TRICIA A. MURDOCK HILARY BUCKLEY G. DALLENBACH-HELLWEG DEBRA S. HELLER MICHAEL MAZUR YIJING SHU DAVID GEORGE LOWE ANNA SIENKO HARVEY COVE PHILIP B. CLEMENT FERNANDA VILELA YEE KHONG YEE KHONG MICHAEL R. HENDRICKSON GISELA DALLENBACH-HELLWEG NOEL WEIDNER

FOR THIS SECOND EXPANDED EDITION MOST OF THE CHAPTERS HAVE BEEN EXTENSIVELY REVISED TO INCLUDE THE LATEST IMMUNOHISTOCHEMICAL AND MOLECULAR BIOLOGICAL METHODS WITH ITS CLEARLY THOUGHT OUT STRUCTURE THIS ATLAS ENABLES THE PATHOLOGIST TO FIND, CLASSIFY AND DIFFERENTIALLY DIAGNOSE EACH DISEASE. 280 TOP QUALITY ILLUSTRATIONS OVER HALF IN FULL COLOUR ARE EACH ACCCOMPANIED BY A DESCRIPTION OF THE PATHOLOGY OF THE DISEASE, A SUMMARY OF THE CAUSES, AN EXPLANATION OF ITS CLINICAL IMPORTANCE AND TREATMENT OPTIONS EMPHASISING THE IMPORTANCE OF CONSTANT MUTUAL CO-OPERATION WITH THE ATTENDING GYNAECOLOGIST. MICROPHOTOGRAPHS ARE ARRANGED SYSTEMATICALLY ACCORDING TO MORPHOLOGY AND EACH IS FOLLOWED BY

A SHORT DESCRIPTION TOGETHER WITH THE AETIOLOGY AND MORPHOLOGIC AND DIFFERENTIAL DIAGNOSIS OF THE DIFFERENT CONDITIONS HEMMING POULSEN IS HEAD OF THE WHO COLLABORATING CENTER FOR THE HISTOLOGICAL CLASSIFICATION OF TUMOURS AND THE NEW CHAPTER ON NEOPLASMS FOR EXAMPLE REFLECTS THIS NEW WHO CLASSIFICATION ADDITIONAL CHAPTERS COVER GESTATIONAL DISEASES AS WELL AS NEW FINDINGS IN INFERTILITY AND HORMONE REPLACEMENT THERAPY

THIS NEW EDITION DIFFERS FROM THE PRECEDING ONES IN THAT THERE HAS BEEN EXTENSIVE REVISION OF MOST CHAPTERS RECENT ADVANCES IN RESEARCH GAINED BY IMMUNOHISTOCHEMICAL MOLECULAR BIOLOGICAL AND CYTOGENETIC METHODS ARE INCLUDED AS FAR AS THEY ARE APPLICABLE FOR DAILY DIAGNOSTIC WORK THE CHAPTER ON NEOPLASMS IN PARTICULAR HAS BEEN GREATLY EXPANDED IN ACCORDANCE WITH THE NEW WHO INTERNATIONAL HISTOLOGICAL CLASSIFICATION OF GENITAL TRACT TUMORS COVERING ALL PERTINENT DIFFERENTIAL DIAGNOSTIC ASPECTS THE CHAPTER ON MALIGNANT LYMPHOMAS AND HEMATOPOETIC NEOPLASMS INVOLVING THE ENDOMETRIUM IS A NEW CONTRIBUTION TO THIS EDITION F D ULM WE HAVE REVISED THE CHAPTER ON GESTATIONAL DISEASES INCORPORATING RECENT ADVANCES IN THE DIFFERENTIAL DIAGNOSIS OF GESTATIONAL TROPHOBLASTIC TUMORS NEW DISCOVERIES AND EXPERIENCES IN CORRELATING STRUCTURE AND FUNCTION IN INFERTILITY AND IN HORMONE REPLACEMENT THERAPY OF PERI AND POSTMENOPAUSAL PATIENTS ARE ALSO INCLUDED MANY NEW MICROPHOTOGRAPHS HAVE BEEN ADDED TO ILLUSTRATE THE ADVANCES IN TUMOR RESEARCH AND IN IMMUNOHISTOCHEMICAL DETECTION METHODS WE HAVE UPDATED THE LIST OF REFERENCES INCLUDING RECENT RELEVANT PUBLICATIONS TO THE CORRESPONDENTS AND CONSULTANTS WHO HAVE CONTRIBUTED VALUABLE OBSERVATIONS AND SUGGESTIONS BRINGING THEREBY TO OUR ATTENTION OMISSIONS IN THE SECOND EDITION WE ACKNOWLEDGE OUR CORDIAL THANKS WE THANK DR WOLFRAM KLAPPER DIRECTOR OF THE LYMPHOM REGISTER OF THE UNIVERSITY OF KIEL FOR CASE MATERIAL FOR MAKING THE MICROPHOTOGRAPHIC ILLUSTRATIONS OF LYMPHOMAS THE STAFF OF SPRINGER VERLAG HAS EARNED OUR GRATITUDE FOR THEIR SKILL IN PREPARING THIS NEW EDITION

ALTHOUGH THE PURPOSE AND SCOPE OF THIS MONOGRAPH REMAIN UNCHANGED I HAVE BEEN OBLIGED TO REVISE AND REWRITE MANY SECTIONS TO KEEP PACE WITH THE RECENT GROWTH IN KNOWLEDGE OF ENDOMETRIAL PATHOLOGY AND PHYSIOLOGY NEW KNOWLEDGE EMANATES FROM EVERY QUARTER ENGENDERED BY IMPROVED METHODS OF STUDY IN VIRTUALLY EVERY SUBSPECIALTY BY EXEMPLARY COOPERATION BETWEEN DISCIPLINES AND ESPECIALLY BY THE EXCHANGE OF IDEAS INTERNATIONALLY ON THE OTHER HAND THE CATALOGUE OF DISEASES IS EVERCHANGING SOME ONCE COMMON BECOME RARE OR EVEN DISAPPEAR OTHERS SUDDENLY APPEAR UNIQUE AND PREVIOUSLY UNKNOWN INCREASED LONGEVITY MODERN WAYS OF LIVING AND NEW METHODS OF TREATMENT HAVE MODIFIED OR AUGMENTED THE CLINICAL AND DIAGNOSTIC PROBLEMS CONFRONTING US ACCORDINGLY THERAPY WITH HORMONES AND INTRAUTERINE CONTRACEPTION RECEIVE SPECIAL ATTENTION COMMENSURATE WITH THE IMPORTANCE AFFORDED THEM TODAY UNDER THE PRECEPT NIL NOCERE THE ALMOST UNLIMITED USES FOR THESE AGENTS WARRANT THAT THEIR EFFECTS BE CAREFULLY MONITORED BY PRECISE MORPHOLOGICAL STUDIES A PREREQUISITE THAT SUCCEEDS ONLY WHEN CLINICIAN AND PATHOLOGIST COOPERATE CLOSELY THE SECTIONS ON PROCEDURES FOR OBTAINING ENDOMETRIAL TISSUE ON STEROID RECEPTORS ON FUNCTIONAL DISTURBANCES AND ON SPONTANEOUS ABORTION HAVE BEEN CHANGED OR EXPANDED TO INCORPORATE NEW FACTS FROM RECENT DISCOVERIES THAT NOW APPEAR SIGNIFICANT ONLY TIME HOWEVER WILL PROVE THEIR TRUE VALUE MUCH OF HISTORICAL INTEREST IN THE TEXT HAS BEEN LEFT INTACT FOR WHO WANTS TO READ INTO THE FUTURE MUST CONSULT THE PAST ANDRE MALRAUX

DERIVED FROM THE AUTHORS LONG RUNNING COURSE PRESENTED AT THE INTERNATIONAL ACADEMY OF PATHOLOGY THIS SECOND EDITION NOW WITH COLOR

ILLUSTRATIONS CONTINUES THE TRADITION OF ITS PREDECESSOR AS BEING THE CONCISE AND COMPLETE DIAGNOSTIC GUIDE TO THE ENDOMETRIAL BIOPSY THE TEXT IS STRUCTURED SO AS TO PRESENT A LOGICAL APPROACH TO FORMULATING A PATHOLOGIC DIAGNOSIS FROM THE DIVERSE ARRAY OF TISSUE RECEIVED IN THE SURGICAL PATHOLOGY LABORATORY COLOR ILLUSTRATIONS SHOW TYPICAL ARTIFACTS AND DISTORTION AND EXPLAIN THEIR IMPACT ON DIAGNOSTIC INTERPRETATION EACH CHAPTER INCLUDES A SECTION SUMMARIZING THE FEATURES THAT MUST BE DISCUSSED IN THE FINAL PATHOLOGY REPORT

NOW IN ITS SECOND EDITION THIS BOOK REMAINS A VITAL REFERENCE MANUAL FOR THOSE PATHOLOGISTS WHOSE WORK INVOLVES THEM IN THE INTERPRETATION OF ENDOMETRIAL BIOPSIES A FULL ACCOUNT IS GIVEN OF THE APPEARANCES OF THE ENDOMETRIUM DURING THE MENSTRUAL CYCLE OF THE EFFECTS OF HORMONES THE CHANGES INDUCED BY STEROID CONTRACEPTIVES AND INTRAUTERINE DEVICES OF FUNCTIONAL DISORDERS AND OF INFLAMMATORY DISEASE PARTICULAR ATTENTION IS GIVEN TO THE VARIOUS FORMS OF HYPERPLASIA AND NEOPLASIA WITH SPECIAL EMPHASIS BEING PLACED UPON THE DIFFERENTIAL DIAGNOSIS OF THESE CONDITIONS OTHER CHAPTERS DEAL WITH SAMPLING TECHNIQUES THE ANATOMY AND HISTOLOGY OF THE NORMAL ENDOMETRIUM DESCRIPTIONS OF THE TISSUE IN NORMAL AND ABNORMAL PREGNANCY AND GESTATIONAL TROPHOBlastic DISEASE THIS FULLY REVISED SECOND EDITION REFLECTS THE FACT THAT NUMEROUS NEW ENTITIES HAVE BEEN DEFINED THE CLASSIFICATION OF MANY DISEASE STATES HAS ALTERED AND NEW UNDERSTANDING OF MANY ENDOMETRIAL DISEASES HAS BEEN GAINED THIS EDITION ALSO DISCUSSES THE CHANGING PATTERN OF ENDOMETRIAL BIOPSIES RESULTING FROM MODIFIED CLINICAL PRACTICE BIOPSY PATHOLOGY OF THE ENDOMETRIUM PROVIDES THE PATHOLOGIST AND GYNAECOLOGIST WITH A HIGHLY ILLUSTRATED AND PRACTICAL MANUAL WHOSE HIGH QUALITY PHOTOMICROGRAPHS WILL BE AN INDISPENSABLE REFERENCE DURING THE INTERPRETATION OF ENDOMETRIAL BIOPSIES

THE GREAT ADVANCES IN KNOWLEDGE OF ENDOMETRIAL PHYSIOLOGY AND PATHOLOGY MADE SINCE THE FIRST EDITION OF THIS MONOGRAPH HAVE COMPELLED ME TO REVISE IT ALTHOUGH I HAVE MAINTAINED THE GENERAL PLAN IN THIS SECOND EDITION MANY SECTIONS ESPECIALLY THOSE DEALING WITH ENDOMETRIAL TUMORS AND WITH ENDOMETRIAL CHANGES CAUSED BY HORMONAL TREATMENT CONTRACEPTIVE AGENTS AND DEVICES HAVE BEEN IN LARGE PART REWRITTEN THE SECTIONS ON PROCEDURES FOR OBTAINING ENDOMETRIAL TISSUE ON FUNCTIONAL DISTURBANCES AND SPONTANEOUS ABORTION HAVE BEEN CHANGED OR EXPANDED TO INCORPORATE NEW FACTS FROM RECENT DISCOVERIES THAT NOW APPEAR TO BE SIGNIFICANT ONLY TIME HOWEVER WILL PROVE THEIR TRUE VALUE ALL CHAPTERS HAVE BEEN SCRUTINIZED TO INSURE THEY COMprise ONLY PRECISE AND UP TO DATE INFORMATION TO COMPLEMENT THE REVISIONS AND TO REPLACE PREVIOUS ILLUSTRATIONS 36 NEW PHOTOGRAPHS HAVE BEEN ADDED IN ACCORDANCE WITH ALL THESE IMPROVEMENTS THE BIBLIOGRAPHY HAS BEEN AMENDED WITH PERTINENT NEW REFERENCES INCLUDED AND THOSE DEEMED OBSOLETE OMITTED THE AUTHOR ACKNOWLEDGES WITH GRATITUDE THE HELP FROM THOUGHTFUL CORRESPONDENTS WHO HAVE SUGGESTED VALUABLE CHANGES OR BROUGHT TO HER ATTENTION OMISSIONS OR ERRORS THAT INADVERTENTLY APPEARED IN THE FIRST EDITION EVERY EFFORT HAS BEEN MADE TO RECTIFY SUCH MISTAKES AGAIN THE SPRINGER VERLAG HAS EARNED MY HEARTY THANKS FOR THEIR PATIENCE AND PROFICIENCY IN PREPARING THIS NEW EDITION MANNHEIM/HEIDELBERG MARCH 1975 GISELA DALLENBACH HELLWEG FOREWORD TO THE GERMAN EDITION DURING LIFE FORM CHANGES FROM THE FORM SEEN WE CAN OFTEN INTERPRET FUNCTION

A PRACTICAL CLINICALLY ORIENTED REFERENCE ON ENDOMETRIAL PATHOLOGY COVERING THE CLINICAL ASPECTS OF EVALUATING THE ENDOMETRIUM AND THE PATHOLOGY OF ENDOMETRIAL DISEASES WITH DIFFERENTIAL DIAGNOSES INCLUDED AS APPROPRIATE

DERIVED FROM THE AUTHORS LONG RUNNING COURSE PRESENTED AT THE INTERNATIONAL ACADEMY OF PATHOLOGY THIS SECOND EDITION NOW WITH COLOR ILLUSTRATIONS CONTINUES THE TRADITION OF ITS PREDECESSOR AS BEING THE CONCISE AND COMPLETE DIAGNOSTIC GUIDE TO THE ENDOMETRIAL BIOPSY THE TEXT IS STRUCTURED SO AS TO PRESENT A LOGICAL APPROACH TO FORMULATING A PATHOLOGIC DIAGNOSIS FROM THE DIVERSE ARRAY OF TISSUE RECEIVED IN THE SURGICAL PATHOLOGY LABORATORY COLOR ILLUSTRATIONS SHOW TYPICAL ARTIFACTS AND DISTORTION AND EXPLAIN THEIR IMPACT ON DIAGNOSTIC INTERPRETATION EACH CHAPTER INCLUDES A SECTION SUMMARIZING THE FEATURES THAT MUST BE DISCUSSED IN THE FINAL PATHOLOGY REPORT

PART OF THE POPULAR ADVANCES IN SURGICAL PATHOLOGY SERIES THIS VOLUME IS A CONCISE UPDATED REVIEW OF THE PATHOLOGICAL CHARACTERISTICS OF ENDOMETRIAL CANCER IT EMPHASIZES THE HISTOLOGIC CORRELATION CLINICAL MANAGEMENT AND TREATMENT OF ENDOMETRIAL CANCER AND FEATURES CURRENT AND EMERGING CONCEPTS IN THE FIELD THE BOOK PROVIDES A RESOURCE FOR THE TIMELY UPDATES IN KNOWLEDGE THAT ARE NECESSARY FOR DAILY PRACTICE FOR CURRENT CREDENTIALING AND FOR THE SELF ASSESSMENT MODULES FOR RECERTIFICATION MOC A FREE COMPANION WEB SITE FEATURES FULLY SEARCHABLE TEXT AS WELL AS OVER 130 FULL COLOR IMAGES

THIS AUTHORITATIVE REFERENCE PROVIDES PRACTICAL EASY TO USE GUIDANCE ON THE HISTOPATHOLOGIC DIAGNOSIS OF GYNECOLOGIC LESIONS THIS VISUAL RESOURCE CLEARLY DESCRIBES THE CARDINAL CLINICAL GROSS AND MICROSCOPIC FEATURES OF EACH LESION AS WELL AS THE STAGING SYSTEM FOR TUMORS AT EACH SITE CLINICAL CORRELATIONS OF SURGICAL PATHOLOGY CLINICAL DATA AND IMMUNOHISTOCHEMICAL DATA HELP IN WEIGHING ALL OF THE AVAILABLE EVIDENCE TO FORM THE MOST DECISIVE DIAGNOSES

PROBLEM STATEMENT ENDOMETRIAL CANCER IS THE MOST COMMON GYNAECOLOGIC MALIGNANCY IN DEVELOPED COUNTRIES ACCORDING TO DATA FROM THE NATIONAL ONCOLOGIC REGISTRY AT PORTUGAL IN 2010 THE INCIDENCE OF ENDOMETRIAL CANCER WAS 17.8 NEW CASES PER 100 000 WOMEN WITH A MORTALITY OF 1.9 100 000 ULTRASOUND MEASUREMENT OF ENDOMETRIAL THICKNESS IS A NON INVASIVE DIAGNOSTIC TOOL FOR ASSESSMENT OF ENDOMETRIAL PATHOLOGY IN MENOPAUSAL WOMEN ASYMPTOMATIC OR WITH VAGINAL BLEEDING THICKENED ENDOMETRIUM IS AN INDICATION FOR AN INVASIVE EVALUATION AS ENDOMETRIAL SAMPLING OR HYSTEROSCOPY THE CUT OFF VALUE OF ENDOMETRIAL THICKNESS THAT SHOULD WARRANT AN ENDOMETRIAL STUDY IS NOT CONSENSUAL BETWEEN DIFFERENT GUIDELINES VARYING FROM 3 TO 5 MM MOST STUDIES SUGGEST THAT TRANSVAGINAL ULTRASOUND IS AN EFFECTIVE FIRST LINE EXAM FOR ENDOMETRIUM EVALUATION IN POSTMENOPAUSAL WOMEN HOWEVER IT CANNOT SUBSTITUTE ENDOMETRIAL SAMPLING OUR AIM IS TO CORRELATE ENDOMETRIAL THICKENING WITH HISTOPATHOLOGY FINDINGS AND UNDERSTAND THE DIAGNOSTIC VALUE OF ULTRASOUND ENDOMETRIAL THICKNESS MEASUREMENT IN PREDICTING ENDOMETRIAL PATHOLOGY IN POSTMENOPAUSAL WOMEN IN OUR HOSPITAL METHODS THIS RETROSPECTIVE STUDY ANALYSED ONE HUNDRED POSTMENOPAUSAL WOMEN FROM GYNAECOLOGY APPOINTMENT IN FAROU 2019S HOSPITAL IN ALGARVE PORTUGAL ALL PATIENTS UNDERWENT TRANSVAGINAL ULTRASOUND AND ENDOMETRIAL SAMPLING THERE WAS RECORDED A COMPLETE GYNAECOLOGICAL AND OBSTETRIC HISTORY AS WELL AS BODY MASS INDEX AND SMOKE HABITS THIS DATA WAS ANALYSED IN SPSS VS 10 RESULTS WE STUDIED ONE HUNDRED POSTMENOPAUSAL WOMEN FROM GYNAECOLOGY APPOINTMENTS WITH VAGINAL BLEEDING OR ASYMPTOMATIC ENDOMETRIAL THICKENING THE MEAN AGE WAS 66.7 YEARS AND MEDIAN MENOPAUSE AGE WAS 50.2 YEARS ABOUT 16 OF THE WOMEN STUDIED HAVE SMOKING HABITS AND MORE THAN HALF HAD HYPERTENSION THE AVERAGE BODY MASS INDEX WAS 31 AND 29 OF THE WOMEN WERE OBESE SIXTY THREE WOMEN

PERFORMED HYSTEROSCOPY WERE THE MAIN FINDING WAS POLYPS WE FOUND THAT 79 OF THE WOMEN HAD ENDOMETRIAL THICKENING SUPERIOR TO 5MM SEVENTY TWO PRESENTED VAGINAL BLEEDING FURTHERMORE ALMOST 91 OF WOMEN WITH ENDOMETRIAL PATHOLOGY HAD VAGINAL BLEEDING AND ALL WOMEN WITH ENDOMETRIAL CARCINOMA HAD SYMPTOMS IN 96 OF THE WOMEN WITH ENDOMETRIAL HYPERPLASIA AND CARCINOMA WAS FOUND ENDOMETRIAL THICKENING MOREOVER AVERAGE ENDOMETRIAL THICKENING WAS SUPERIOR 16.7 VS 14.25 MM IN WOMAN WITH MALIGNANT AND PREMALIGNANT LESIONS HOWEVER THIS DIFFERENCE IS NOT STATISTICAL SIGNIFICANT A GREAT PERCENTAGE OF WOMEN WITH BENIGN LESIONS LIKE POLYPS ALSO HAD ENDOMETRIAL THICKENING WHICH REDUCES THE SPECIFICITY OF THE ULTRASOUND ENDOMETRIAL THICKENING MEASUREMENT THERE WERE DRAWN ROC CURVES TO UNDERSTAND THE SPECIFICITY AND SENSIBILITY OF ULTRASOUND MEASUREMENT TO DETECT MALIGNANT OR PREMALIGNANT ENDOMETRIAL LESIONS BUT THE NUMBER OF PATIENTS WAS SMALL AND THE EVIDENCE WAS INCONCLUSIVE CONCLUSION OUR STUDY FOUND THAT ENDOMETRIAL THICKENING TENDS TO CORRELATE WITH ENDOMETRIAL PATHOLOGY HOWEVER ULTRASOUND MEASUREMENT ALONE IS NOT A GOOD PREDICTOR OF MALIGNANT AND PREMALIGNANT LESIONS SO IT IS REQUIRED FURTHER INVASIVE DIAGNOSTIC TESTING FUTURE PERSPECTIVES OF OUR WORK ARE TO EXPAND THIS SAMPLE AND DRAW ROC CURVES TO DETERMINE THE CUT OFF VALUE OF ENDOMETRIAL THICKENING AT OUR POPULATION AND ADJUST OUR CLINICAL PRACTICE

ENDOMETRIAL CANCER REMAINS THE MOST FREQUENT GYNAECOLOGICAL CANCER IN FIRST WORLD COUNTRIES THIS BENCH BOOK ON ENDOMETRIAL PATHOLOGY DISTILS THE CURRENT LITERATURE TO PROVIDE A PRACTICAL TEXT ON ENDOMETRIAL PATHOLOGY DIFFERENTIAL DIAGNOSIS IS EMPHASISED AND THE CLINICAL CORRELATES OF PATHOLOGY ARE ALSO STRESSED TO MAKE THIS A CLINICALLY USEFUL BOOK FULLY UPDATED AND INCLUDING OVER 400 COLOUR IMAGES THIS BOOK PROVIDES A VALUABLE RESOURCE FOR THE PRACTISING PATHOLOGIST IN GENERAL AND COMMUNITY HOSPITALS AS WELL AS IN TEACHING HOSPITALS

THIS BENCH BOOK PROVIDES A CLINICALLY PRAGMATIC AND DIAGNOSTICALLY UP TO DATE BASIS FOR THE PATHOLOGICAL EXAMINATION OF THE ENDOMETRIUM ONE OF THE MOST COMMONLY EXAMINED TISSUES IN ANATOMICAL PATHOLOGY THE LITERATURE IS SUMMARIZED SUCCINCTLY HISTOPATHOLOGICAL CONCEPTS AND DETAILS ARE PRESENTED IN AN ACCESSIBLE MANNER AND CONTROVERSIAL OR UNPROVEN CONCEPTS ARE HIGHLIGHTED A MAJOR EMPHASIS OF THE BOOK IS THE WAY OUT OF THE DIFFERENTIAL DIAGNOSIS IN THOSE LESIONS THAT CAUSE MUCH DIFFICULTY CLINICAL CORRELATES ARE ALSO STRESSED TO MAKE THIS A CLINICALLY PRACTICAL BOOK

AN ATLAS COVERING THE NORMAL AND PATHOLOGIC HISTOLOGY OF THE UTERINE CERVIX DIFFERENTIAL DIAGNOSIS IS GIVEN IN DETAIL YET RELATED TO CLINICAL ASPECTS SO THAT A FUNCTIONAL DESCRIPTION OF BENEFIT IN DAILY PRACTICE IS ACHIEVED

DIFFICULT TO DIAGNOSE LESIONS ARE COMPREHENSIVELY COVERED IN THIS UNIQUE AND FUNCTIONAL TEXT INCLUDES ATYPICAL PRESENTATIONS OF COMMON LESIONS COMMON LESIONS THAT SHARE FEATURES WITH OTHER LESIONS AND RARE LESIONS DESIGNED TO SERVE AS A BESIDE THE MICROSCOPE CONSULTANT THIS WORK PROVIDES CLEAR DIAGNOSTIC CRITERIA AND REPRESENTATIVE PHOTOGRAPHS MAKING IT AN ESSENTIAL REFERENCE FOR THE FIELD OF SURGICAL PATHOLOGY

WHEN PEOPLE SHOULD GO TO THE EBOOK STORES, SEARCH FOUNDATION BY

SHOP, SHELF BY SHELF, IT IS REALLY PROBLEMATIC. THIS IS WHY WE PRESENT

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ADMITTANCE TO SYSTEMS STUDY AND PLANNING ELIAS M AWAD eBOOKS, ENCOMPASSING DIVERSE GENRES, TOPICS, AND INTERESTS. BY SUPPLYING ATLAS OF ENDOMETRIAL HISTOPATHOLOGY AND A WIDE-RANGING COLLECTION OF PDF eBOOKS, WE AIM TO STRENGTHEN READERS TO INVESTIGATE, LEARN, AND ENGROSS THEMSELVES IN THE WORLD OF WRITTEN WORKS.

IN THE VAST REALM OF DIGITAL LITERATURE, UNCOVERING SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD SANCTUARY THAT DELIVERS ON BOTH CONTENT AND USER EXPERIENCE IS SIMILAR TO STUMBLING UPON A HIDDEN TREASURE. STEP INTO NEWS.XYNO.ONLINE, ATLAS OF ENDOMETRIAL HISTOPATHOLOGY PDF eBOOK DOWNLOADING HAVEN THAT INVITES READERS INTO A REALM OF LITERARY MARVELS. IN THIS ATLAS OF ENDOMETRIAL HISTOPATHOLOGY ASSESSMENT, WE WILL EXPLORE THE INTRICACIES OF THE PLATFORM, EXAMINING ITS FEATURES, CONTENT VARIETY, USER INTERFACE, AND THE OVERALL READING EXPERIENCE IT PLEDGES.

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ONE OF THE DEFINING FEATURES OF SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD IS THE ORGANIZATION OF GENRES, PRODUCING A SYMPHONY OF READING CHOICES. AS YOU TRAVEL THROUGH THE SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD, YOU WILL ENCOUNTER THE COMPLEXITY OF OPTIONS — FROM THE ORGANIZED COMPLEXITY OF SCIENCE FICTION TO THE RHYTHMIC SIMPLICITY OF ROMANCE. THIS VARIETY ENSURES THAT EVERY READER, IRRESPECTIVE OF THEIR LITERARY TASTE, FINDS ATLAS OF ENDOMETRIAL HISTOPATHOLOGY

WITHIN THE DIGITAL SHELVES.

IN THE DOMAIN OF DIGITAL LITERATURE, BURSTINESS IS NOT JUST ABOUT VARIETY BUT ALSO THE JOY OF DISCOVERY. ATLAS OF ENDOMETRIAL HISTOPATHOLOGY EXCELS IN THIS INTERPLAY OF DISCOVERIES. REGULAR UPDATES ENSURE THAT THE CONTENT LANDSCAPE IS EVER-CHANGING, INTRODUCING READERS TO NEW AUTHORS, GENRES, AND PERSPECTIVES. THE UNEXPECTED FLOW OF LITERARY TREASURES MIRRORS THE BURSTINESS THAT DEFINES HUMAN EXPRESSION.

AN AESTHETICALLY ATTRACTIVE AND USER-FRIENDLY INTERFACE SERVES AS THE CANVAS UPON WHICH ATLAS OF ENDOMETRIAL HISTOPATHOLOGY ILLUSTRATES ITS LITERARY MASTERPIECE. THE WEBSITE'S DESIGN IS A DEMONSTRATION OF THE THOUGHTFUL CURATION OF CONTENT, OFFERING AN EXPERIENCE THAT IS BOTH VISUALLY APPEALING AND FUNCTIONALLY INTUITIVE. THE BURSTS OF COLOR AND IMAGES HARMONIZE WITH THE INTRICACY OF LITERARY CHOICES, CREATING A SEAMLESS JOURNEY FOR EVERY VISITOR.

THE DOWNLOAD PROCESS ON ATLAS OF ENDOMETRIAL HISTOPATHOLOGY IS A SYMPHONY OF EFFICIENCY. THE USER IS ACKNOWLEDGED WITH A DIRECT PATHWAY TO THEIR CHOSEN eBOOK. THE BURSTINESS IN THE DOWNLOAD SPEED ASSURES THAT THE LITERARY DELIGHT IS ALMOST INSTANTANEOUS. THIS SEAMLESS PROCESS MATCHES WITH THE HUMAN DESIRE FOR SWIFT AND UNCOMPLICATED ACCESS TO THE TREASURES HELD WITHIN THE DIGITAL LIBRARY.

A CRITICAL ASPECT THAT DISTINGUISHES NEWS.XYNO.ONLINE IS ITS COMMITMENT TO RESPONSIBLE eBOOK DISTRIBUTION. THE PLATFORM VIGOROUSLY ADHERES TO COPYRIGHT LAWS, ASSURING THAT EVERY DOWNLOAD SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD IS A LEGAL AND ETHICAL UNDERTAKING. THIS COMMITMENT ADDS A LAYER OF ETHICAL INTRICACY, RESONATING WITH THE CONSCIENTIOUS READER WHO VALUES THE INTEGRITY OF LITERARY CREATION.

NEWS.XYNO.ONLINE DOESN'T JUST OFFER SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD; IT NURTURES A COMMUNITY OF READERS. THE PLATFORM PROVIDES SPACE FOR USERS TO CONNECT, SHARE THEIR LITERARY EXPLORATIONS, AND RECOMMEND HIDDEN GEMS. THIS INTERACTIVITY INJECTS A BURST OF SOCIAL CONNECTION TO THE READING EXPERIENCE, ELEVATING IT BEYOND A SOLITARY PURSUIT.

IN THE GRAND TAPESTRY OF DIGITAL LITERATURE, NEWS.XYNO.ONLINE STANDS AS A ENERGETIC THREAD THAT INTEGRATES COMPLEXITY AND BURSTINESS INTO THE READING JOURNEY. FROM THE SUBTLE DANCE OF GENRES TO THE SWIFT STROKES OF THE DOWNLOAD PROCESS, EVERY ASPECT REFLECTS WITH THE FLUID NATURE OF HUMAN EXPRESSION. IT'S NOT JUST A SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD EBOOK DOWNLOAD WEBSITE; IT'S A DIGITAL OASIS WHERE LITERATURE THRIVES, AND READERS BEGIN ON A JOURNEY FILLED WITH PLEASANT SURPRISES.

WE TAKE PRIDE IN CURATING AN EXTENSIVE LIBRARY OF SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD PDF EBOOKS, METICULOUSLY CHOSEN TO APPEAL TO A BROAD AUDIENCE. WHETHER YOU'RE A ENTHUSIAST OF CLASSIC LITERATURE, CONTEMPORARY FICTION, OR SPECIALIZED NON-FICTION, YOU'LL UNCOVER SOMETHING THAT FASCINATES YOUR IMAGINATION.

NAVIGATING OUR WEBSITE IS A BREEZE. WE'VE DESIGNED THE USER INTERFACE WITH YOU IN MIND, GUARANTEEING THAT YOU CAN EASILY DISCOVER SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD AND RETRIEVE SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD EBOOKS. OUR LOOKUP AND CATEGORIZATION FEATURES ARE INTUITIVE, MAKING IT SIMPLE FOR YOU TO LOCATE SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD.

NEWS.XYNO.ONLINE IS DEDICATED TO UPHOLDING LEGAL AND ETHICAL STANDARDS IN THE WORLD OF DIGITAL LITERATURE. WE FOCUS ON THE

DISTRIBUTION OF ATLAS OF ENDOMETRIAL HISTOPATHOLOGY THAT ARE EITHER IN THE PUBLIC DOMAIN, LICENSED FOR FREE DISTRIBUTION, OR PROVIDED BY AUTHORS AND PUBLISHERS WITH THE RIGHT TO SHARE THEIR WORK. WE ACTIVELY DISCOURAGE THE DISTRIBUTION OF COPYRIGHTED MATERIAL WITHOUT PROPER AUTHORIZATION.

QUALITY: EACH EBOOK IN OUR ASSORTMENT IS METICULOUSLY VETTED TO ENSURE A HIGH STANDARD OF QUALITY. WE INTEND FOR YOUR READING EXPERIENCE TO BE PLEASANT AND FREE OF FORMATTING ISSUES.

VARIETY: WE CONSISTENTLY UPDATE OUR LIBRARY TO BRING YOU THE MOST RECENT RELEASES, TIMELESS CLASSICS, AND HIDDEN GEMS ACROSS GENRES. THERE'S ALWAYS SOMETHING NEW TO DISCOVER.

COMMUNITY ENGAGEMENT: WE APPRECIATE OUR COMMUNITY OF READERS. CONNECT WITH US ON SOCIAL MEDIA, SHARE YOUR FAVORITE READS, AND JOIN IN A GROWING COMMUNITY PASSIONATE ABOUT LITERATURE.

WHETHER YOU'RE A PASSIONATE READER, A STUDENT IN SEARCH OF STUDY MATERIALS, OR AN INDIVIDUAL EXPLORING THE WORLD OF EBOOKS FOR THE VERY FIRST TIME, NEWS.XYNO.ONLINE IS HERE TO PROVIDE SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD. JOIN US ON THIS READING JOURNEY, AND ALLOW THE PAGES OF OUR EBOOKS TO TRANSPORT YOU TO FRESH REALMS, CONCEPTS, AND EXPERIENCES.

WE GRASP THE EXCITEMENT OF UNCOVERING SOMETHING FRESH. THAT'S WHY WE CONSISTENTLY UPDATE OUR LIBRARY, ENSURING YOU HAVE ACCESS TO SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD, ACCLAIMED AUTHORS, AND HIDDEN LITERARY TREASURES. WITH EACH VISIT, LOOK FORWARD TO NEW OPPORTUNITIES FOR YOUR READING ATLAS OF ENDOMETRIAL HISTOPATHOLOGY.

APPRECIATION FOR SELECTING NEWS.XYNO.ONLINE AS YOUR TRUSTED SOURCE

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