

Nolph And Gokals Textbook Of Peritoneal Dialysis

Nolph And Gokals Textbook Of Peritoneal Dialysis Understanding the Nolph and Gokals Textbook of Peritoneal Dialysis Nolph and Gokals textbook of peritoneal dialysis is widely regarded as a comprehensive and authoritative resource for healthcare professionals involved in the management of patients requiring peritoneal dialysis (PD). This textbook offers in-depth insights, evidence-based guidelines, and practical approaches to the use of peritoneal dialysis, making it an essential reference for nephrologists, dialysis nurses, and medical students alike. Its detailed chapters cover everything from the physiological basis of PD to advanced techniques, complications, and emerging research. In this article, we delve into the core aspects of the Nolph and Gokals textbook, exploring its structure, key topics, and how it serves as a vital educational tool in the field of nephrology and dialysis medicine.

Overview of the Nolph and Gokals Textbook History and Significance

The Nolph and Gokals textbook has established itself as a cornerstone in the nephrology community since its first publication. Named after its authors, Dr. William Nolph and Dr. Gokal, the book synthesizes decades of clinical experience, research, and best practices. Its significance lies in:

- Providing evidence-based protocols
- Incorporating recent advances in PD technology
- Addressing both novice and experienced practitioners' needs

Target Audience

The textbook primarily targets:

- Nephrologists
- Dialysis nurses and technicians
- Medical residents specializing in nephrology
- Researchers in renal replacement therapies
- Medical students interested in nephrology

Structure and Content

The book is organized into well-structured chapters that cover:

- Fundamentals of peritoneal dialysis
- Patient selection and preparation
- Dialysis techniques and protocols
- Managing complications
- Innovations and future directions in PD

This organization facilitates a logical flow from basic principles to complex clinical scenarios.

2 Core Topics Covered in the Textbook

Physiology and Principles of Peritoneal Dialysis

Understanding the physiological basis of PD is critical. The textbook discusses:

- Peritoneal membrane structure and function
- Solute and fluid exchange mechanisms
- Diffusion, osmosis, and ultrafiltration
- Factors affecting dialysis efficiency

This foundation helps clinicians optimize treatment parameters tailored to individual patient needs.

Patient Selection and Preparation

Selecting appropriate candidates for PD involves evaluating:

- Residual renal function
- Peritoneal membrane characteristics
- Lifestyle considerations
- Comorbid conditions

Preparation steps include patient education, catheter placement, and pre-dialysis assessments.

Types of Peritoneal Dialysis

The textbook elaborates on various PD modalities:

- Continuous Ambulatory Peritoneal Dialysis (CAPD)
- Automated Peritoneal Dialysis (APD)
- Tidal and intermittent techniques

Each modality's indications, advantages, and limitations are thoroughly discussed.

Dialysis Solutions and Equipment

A critical aspect of PD management involves selecting appropriate solutions:

- Glucose-based solutions
- Icodextrin-containing solutions
- Biocompatible solutions

The book also reviews catheter types, connection systems, and sterile techniques to prevent infections. Dialysis

Protocols and Regimens Standard protocols include: - Prescription of dwell times - Exchange volumes - Number of exchanges per day/night Tailoring these parameters enhances solute clearance and fluid removal. Monitoring and Managing Complications The textbook dedicates significant content to recognizing and managing complications such as: - Peritonitis - Exit-site infections - Dialysis failure - Ultrafiltration failure - Hernias and leaks - Electrolyte imbalances Strategies for prevention and treatment are emphasized. 3 Special Populations and Considerations Special cases discussed include: - Pediatric patients - Elderly patients - Patients with diabetes or cardiovascular disease - Pregnant women on PD Adjustments in therapy and monitoring are tailored for these groups. Emerging Technologies and Future Directions The textbook explores innovations like: - Biocompatible and low-glucose degradation product solutions - Wearable dialysis devices - Automated systems with remote monitoring - Bioartificial membranes These advancements aim to improve patient outcomes and quality of life. Clinical Applications and Case Studies Real-world Scenarios The textbook features numerous case studies illustrating: - Transitioning patients from hemodialysis to PD - Managing refractory peritonitis - Handling catheter malfunctions - Adjusting therapy in complex comorbidities These examples provide practical insights for clinicians. Guidelines and Recommendations Based on current evidence, the book offers guidelines such as: - Optimal timing for initiating PD - Dialysis adequacy targets - Infection prevention protocols - Nutritional considerations Following these recommendations improves patient care. Educational and Training Aspects Training Programs The textbook emphasizes the importance of comprehensive training for: - Patients and caregivers - Healthcare providers performing catheter insertions - Staff managing PD machines and solutions Structured programs enhance safety and adherence. Continuing Medical Education It also advocates for ongoing education through: - Workshops - Conferences - Online modules Keeping abreast of latest developments ensures best practices. Conclusion: Why the Nolph and Gokals Textbook Is Indispensable The Nolph and Gokals textbook of peritoneal dialysis remains a fundamental 4 resource for anyone involved in the care of PD patients. Its detailed coverage, evidence-based approach, and practical guidance equip clinicians to deliver optimal therapy, manage complications effectively, and stay updated with emerging innovations. As peritoneal dialysis continues to evolve, this textbook provides the knowledge foundation necessary to adapt and excel in the field. Whether you are a seasoned nephrologist or a trainee just beginning your journey, consulting this comprehensive reference will undoubtedly enhance your understanding and clinical practice in peritoneal dialysis. Question Answer What are the key updates in the latest edition of Nolph and Gokala's Textbook of Peritoneal Dialysis? The latest edition includes new chapters on molecular mechanisms of peritoneal membrane failure, updated clinical guidelines, recent advances in PD solutions, and expanded coverage on pediatric PD practices and complication management. How does Nolph and Gokala's textbook recommend managing peritonitis in peritoneal dialysis patients? The textbook emphasizes early diagnosis through clinical and laboratory assessment, prompt empiric antibiotic therapy tailored to local pathogen profiles, and strategies to prevent recurrence, including patient education and aseptic technique adherence. What are the latest insights into peritoneal membrane preservation discussed in the textbook? The textbook discusses strategies such as using biocompatible PD solutions, minimizing glucose exposure, and optimizing dwell times to preserve peritoneal

membrane function and prolong PD viability. Does the textbook cover new technologies or innovations in peritoneal dialysis? Yes, it includes discussions on automated PD systems, telehealth monitoring, novel dialysate formulations, and innovations aimed at improving patient outcomes and quality of life. What are the recommended approaches for managing ultrafiltration failure according to Nolph and Gokala? The textbook suggests evaluating factors like membrane transport characteristics, adjusting dialysis prescriptions, considering use of icodextrin solutions, and, in some cases, transitioning to alternative renal replacement therapies. How does the textbook address pediatric peritoneal dialysis management? It provides comprehensive guidance on pediatric-specific considerations, including catheter placement, growth considerations, nutritional management, and infection prevention tailored to children. What are the common complications of peritoneal dialysis discussed in the book, and how are they managed? Common complications include peritonitis, catheter-related infections, dialysate leaks, and hernias. Management strategies involve preventive measures, prompt treatment protocols, and surgical interventions when necessary. 5 How does Nolph and Gokala's textbook approach the transition from peritoneal dialysis to hemodialysis? The book outlines criteria for transition, preparation protocols, patient counseling, and management of potential challenges during modality switch to ensure continuity of care. What role does patient education play in the success of peritoneal dialysis as per the textbook? Patient education is emphasized as crucial for infection prevention, proper technique, recognizing complications early, and ensuring adherence, all of which improve treatment outcomes. Are there specific chapters dedicated to the management of peritoneal dialysis in special populations in the textbook? Yes, the textbook includes dedicated sections on PD management in elderly patients, diabetics, and those with comorbidities, addressing unique challenges and tailored approaches. Nolph and Gokal's Textbook of Peritoneal Dialysis: A Comprehensive Expert Review Peritoneal dialysis (PD) remains a vital modality within the spectrum of renal replacement therapies, offering patients greater autonomy and a lifestyle closer to normalcy compared to hemodialysis. As the field advances, the need for authoritative, comprehensive, and up-to-date resources becomes paramount. Among these, Nolph and Gokal's Textbook of Peritoneal Dialysis stands out as a definitive guide, esteemed by nephrologists, dialysis nurses, researchers, and clinicians worldwide. This article provides an in-depth review of this influential textbook, analyzing its structure, content, strengths, and practical utility within the context of contemporary nephrology.

--- Introduction to Nolph and Gokal's Textbook of Peritoneal Dialysis Nolph and Gokal's textbook has garnered recognition for its meticulous approach to the science and clinical practice of peritoneal dialysis. First published decades ago, the book has undergone multiple revisions, reflecting the evolving landscape of PD technology, techniques, and research findings. Its core aim is to serve as both an educational resource for trainees and a reference for seasoned practitioners. The textbook emphasizes a multidisciplinary perspective, integrating physiological principles, clinical management, technological innovations, and patient-centered care. Its comprehensive scope makes it a must-have for nephrology departments, academic institutions, and individual practitioners committed to mastering PD. --- Structure and Organization of the Textbook Understanding the systematic organization of a textbook provides insight into its accessibility and depth. Nolph and Gokal is typically divided into several key

sections, each meticulously curated to cover critical aspects of peritoneal dialysis.

1. **Foundations of Peritoneal Dialysis** This introductory section lays the groundwork by discussing:
 - The history and evolution of Nolph And Gokals Textbook Of Peritoneal Dialysis
 - 6 PD - Basic renal physiology relevant to dialysis
 - The principles of solute and fluid removal
 - The anatomy and physiology of the peritoneal membrane
 - Biocompatibility and peritoneal membrane characteristics**Strengths:** The foundational chapters are written with clarity, balancing complex physiology with clinical relevance. They set a solid base for understanding subsequent topics, making it accessible for trainees and experienced clinicians alike.
2. **Technical Aspects of PD** This section delves into the nitty-gritty of PD procedures:
 - Types of PD modalities (Continuous Ambulatory PD, Automated PD, etc.)
 - Equipment and supplies
 - Dialysate solutions and their composition
 - Catheter placement and management
 - Techniques for exchanges and troubleshooting**Strengths:** The detailed descriptions, supplemented with diagrams and step-by-step guides, make this section a practical resource for nurses and technicians. It offers insights into optimizing technique and minimizing complications.
3. **Clinical Management and Patient Care** This core clinical section covers:
 - Patient selection and pre-therapy assessment
 - Prescribing PD regimens tailored to individual needs
 - Monitoring therapy effectiveness
 - Managing complications such as infections, leaks, and peritonitis
 - Nutritional considerations and metabolic monitoring
 - Transitioning between modalities and peritoneal membrane assessment**Strengths:** The clinical chapters are evidence-based, incorporating latest guidelines and consensus statements. They emphasize a holistic approach integrating patient education, adherence, and quality of life.
4. **Complications and Troubleshooting** A comprehensive examination of common and rare issues:
 - Peritonitis: diagnosis, management, prevention
 - Exit site and tunnel infections
 - Dialysate leaks and hernias
 - Ultrafiltration failure
 - Catheter malfunction
 - Encapsulating peritoneal sclerosis**Strengths:** Case studies and algorithmic approaches aid clinicians in rapid diagnosis and management, enhancing patient safety.
5. **Advances and Future Directions** This forward-looking section discusses:
 - Biocompatible dialysates
 - Novel catheter designs
 - Automation and remote monitoring
 - Bioengineering innovations
 - Peritoneal membrane preservation strategies**Strengths:** It offers a glimpse into ongoing research and emerging therapies, inspiring clinicians to stay at the forefront of PD advancements.

-- Nolph And Gokals Textbook Of Peritoneal Dialysis

7 Key Features and Highlights of Nolph and Gokal's Textbook This textbook's enduring appeal stems from several distinctive features that set it apart:

1. **Evidence-Based Content** Every chapter references current research, guidelines, and clinical trials, ensuring practitioners are equipped with the latest knowledge. The integration of data from large registries and multicenter studies enhances its credibility.
2. **Multidisciplinary Approach** The book recognizes the roles of nephrologists, nurses, dietitians, and surgeons, fostering a team-based understanding of PD. It addresses communication strategies, patient education, and psychosocial aspects.
3. **Practical Guidance and Protocols** Beyond theory, the textbook provides actionable protocols, checklists, and troubleshooting guides, making it invaluable in clinical settings.
4. **Visual Aids and Illustrations** High-quality diagrams, flowcharts, and photographs facilitate comprehension, especially for complex procedures like catheter placement or troubleshooting infections.
5. **International Perspective** Authored by experts from diverse backgrounds, the content reflects global

practices, adaptable to various healthcare settings. --- Strengths and Limitations of the Textbook
Strengths: - **Comprehensive Coverage:** The textbook spans the entire spectrum of PD, from physiology to advanced management. - **Authoritative Authorship:** Nolph and Gokal are renowned figures in nephrology, lending authority to the content. - **Updated Content:** Regular revisions incorporate recent innovations, ensuring relevance. - **Educational Utility:** Suitable for both beginners and experts, with clear explanations and detailed protocols. - **Resource-Rich:** Appendices include formulary details, sample prescriptions, and patient education materials.
Limitations: - **Size and Depth:** Its comprehensive nature might be overwhelming for some learners seeking quick references. - **Accessibility:** The detailed technical content may require prior foundational knowledge. - **Digital Availability:** While print editions are prevalent, some users may find interactive or digital formats more convenient. --- **Nolph And Gokals Textbook Of Peritoneal Dialysis 8 Practical Utility and Audience** Nolph and Gokal's Textbook of Peritoneal Dialysis serves multiple purposes: - **Educational Resource:** Ideal for nephrology fellows, residents, and medical students learning about PD. - **Clinical Reference:** A go-to guide for practicing nephrologists and dialysis nurses managing complex cases. - **Research and Policy Development:** Provides a solid base for formulating protocols, guidelines, and research hypotheses. - **Training Material:** Useful in workshops, seminars, and training programs focusing on PD techniques and management. **Target Audience Includes:** - Nephrologists - Dialysis nurses and technicians - Medical students and residents - Researchers in renal replacement therapy - Healthcare administrators involved in dialysis services --- **Conclusion:** An Indispensable Resource in Peritoneal Dialysis In summary, Nolph and Gokal's Textbook of Peritoneal Dialysis remains a cornerstone of nephrology literature, appreciated for its depth, clarity, and clinical relevance. Its comprehensive coverage ensures that practitioners are well-equipped to deliver optimal patient care, troubleshoot complications, and stay abreast of technological and scientific advances. While it requires dedicated study to fully harness its content, the benefits it offers—ranging from foundational physiology to cutting-edge innovations—justify its status as an authoritative reference. For any clinician or researcher committed to excellence in peritoneal dialysis, this textbook is an invaluable asset that continues to educate, inform, and inspire. --- In essence, whether you are just beginning your journey in nephrology or a seasoned expert seeking the latest insights, Nolph and Gokal's Textbook of Peritoneal Dialysis provides the comprehensive knowledge base necessary to excel in the nuanced field of PD. peritoneal dialysis, Nolph and Gokals, dialysis techniques, renal failure, dialysis solutions, peritoneal membrane, continuous ambulatory peritoneal dialysis, CAPD, peritoneal access, dialysis complications

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the importance of peritoneal dialysis pd in the therapy of chronic kidney disease has been steadily increasing the simultaneous advancement in clinical practice and basic research has increased overall knowledge and led to significant progress in the safe and adequate application of pd moreover integration with other techniques in the therapy of uremia represents an important step in the optimization of the whole program of renal replacement therapy leading experts in the field have contributed to this volume discussing topics such as the biology of the peritoneal membrane dialysis solutions inflammation and nutrition pd adequacy or complications and their management or pd in special settings this compilation updates and expands the information on pd published in previous volumes of the series contributions to nephrology it represents an important source of information for beginners and experts basic scientists and clinical physicians students and investigators who want to have a true update on current research and clinical practice in peritoneal dialysis

this book aims to educate general and vascular surgeons on all pertinent aspects of peritoneal dialysis pd most surgeons get very little training in residency on this topic and the use of pd is growing around the world much of the book will focus on implantation techniques especially laparoscopic insertions the authors will describe the known adjunct procedures that have been shown to decrease dysfunction rates the aim is to provide greater patient autonomy a better quality of life preservation of residual renal function and a higher survival advantage

in 1994 the expert knowledge of ram gokal and karl d nolph the two foremost figures in the field of peritoneal dialysis was combined to produce the first edition of the textbook of peritoneal dialysis the work quickly became recognised as the gold standard for those working in the field since its conception however our understanding of peritoneal dialysis related physiology kinetics and clinical outcomes as well as the concepts of intraperitoneal chemotherapy has increased sufficiently to make an updated and completely revised edition of the work necessary an

expansion of the editorial team by fellow experts ramesh khanna and raymond krediet enabled an even more comprehensive approach to be taken this second edition reasserts the book's uniqueness in its detailed discussion of the topic making it required reading for all those working within the field of peritoneal dialysis

peritoneal dialysis represents an internal technique for membrane are becoming apparent studies of peritoneal blood purification in this dialyzer the blood path the dialysis increase understanding of the anatomy and physiology of the membrane and the dialysate compartment are provided by biology of biological membranes and the factors influencing nature the developments of chronic peritoneal catheters the passive movement of solutes across the microcirculation and related structures peritoneal dialysis provides a window to the visceral microcirculation in animals and humans peritoneal dialysis may be useful to treat problems other than renal failure

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a compendium of basic principles and clinical practice this publication contains the most recent

findings in the field as presented by the outstanding faculty of the 2012 international vicenza course on peritoneal dialysis after 30 years this course is still one of the main educational events in the field of peritoneal dialysis as well as other disciplines including ckd hemodialysis and critical care nephrology the publication of the book in time for the course represents another success of the vicenza team the experts of the world and the related industry met in vicenza for this important anniversary which is celebrated by this book representing not only a milestone in the history of the department of nephrology and the international renal research institute of vicenza but also and above all an extraordinary educational tool for all physicians and nurses interested in peritoneal dialysis today

designed for daily use by professionals responsible for caring for patients with renal disease this long awaited primer provides a simplified up to date review of peritoneal dialysis dealing concisely with all aspects of pd it is written in such a style that even beginners with elementary knowledge of the subject could benefit from its use and thus it is the perfect text for trainees or new and junior staff members it is also an ideal text for nurses a virtual how to guide on pd a book like this one crafted specifically as a bench text and a learning tool is hard to find emphasis is placed on the plentiful illustrations and tables that immediately clarify and expand upon the text the illustrations many in full color are deftly drawn by one of the foremost medical artists in the world bernard tardieu few texts can boast such a cast of distinguished authors ramesh khanna karl nolph and dimitrios oreopoulos are among the most respected practitioners of dialysis

a review of the current state of peritoneal dialysis as therapy for failing kidney functions it contains coverage of peritoneal dialysis values regiment and techniques including continuous ambulatory continuous cycling nightly peritoneal dialysis and tidal peritoneal dialysis

this fourth edition comprehensively covers peritoneal dialysis peritoneal dialysis represents an intracorporeal technique for blood purification this unique dialysis system represents one of many human attempts to manipulate nature for sustenance of life recent advances have focused on further improvement of the technique which are covered in full throughout the text during the past decade the time during which this therapy has been increasingly utilized the 3rd edition has continued to be recognized as the major source of the discipline s base knowledge the evolution of this text to its newest edition parallels the growth of peritoneal dialysis from continuous ambulatory peritoneal dialysis in the eighties to the current therapy that encompasses manual and automated therapies with full emphasis on adequacy of dialysis dose nolph and gokal s textbook of peritoneal dialysis is the most in depth publication on this dialysis technique and is an ideal resource for all clinicians practicing peritoneal dialysis

in 1986 the first edition of continuous ambulatory peritoneal dialysis edited by r gokal was published in 1989 the third edition of peritoneal dialysis edited by k d nolph was published both books were widely recognized for their comprehensive discussion of this particular field rather than edit new editions of each of these books separately two of the most prominent figures in

this field have decided to combine their knowledge and enthusiasm in this single book the textbook of peritoneal dialysis the book is unique in its detailed discussion of a complete range of topics including new advances in our understanding of the physiology of peritoneal dialysis peritoneal dialysis kinetics clinical results and a chapter dealing with the concepts of intraperitoneal chemotherapy these examples of the dynamic nature of the field further illustrate the importance of this textbook and make it required reading for everybody working within the field of peritoneal dialysis

nolph and gokal s text book of peritoneal dialysis third edition covers advances made in the field for the past 30 years during the past two decades the time during which this therapy has been increasingly utilized this text has continued to be recognized as the major source of the discipline s base knowledge the evolution of this text to its newest edition parallels the growth of peritoneal dialysis from continuous ambulatory peritoneal dialysis in the eighties to the current therapy that encompasses manual and automated therapies with full emphasis on adequacy of dialysis dose peritoneal dialysis represents an intracorporeal technique for blood purification this unique dialysis system represents one of many human attempts to manipulate nature for sustenance of life the past few years of advances have focused on further improvement of the technique areas that have fueled the interest of researchers include 1 physiology of high transporters and the role of genetics and inflammation 2 continued debate over the most appropriate adequacy indices small solute clearances large solute clearances clinical assessment etc 3 understanding preventing and treating the mia syndrome in pd patients including the roles of leptin and adiponectin 4 pathogenesis and newer management strategies of vascular calcification 5 continued improvements in infectious complications including peritonitis 6 further improvements in catheter technology 7 automated techniques 8 explaining and correcting pd underutilization 9 rationale and applications of newer dialysis solutions 10 new understanding and approaches to management of osteodystrophy 11 refinements in anemia management including new insights in iron metabolism in pd patients 12 further definition of indications for pd 13 the ideal time to initiate dialysis newer insight into host defense mechanisms have also made the past decade of advances in the field more meaningful for clinicians this text also covers the knowledge gained from animal models of peritoneal dialysis nolph and gokal s textbook of peritoneal dialysis third edition is a compilation of the latest knowledge in the field it cites and describes in great detail the new discoveries and the evolution of understanding the subject of these discoveries

in 1994 the expert knowledge of ram gokal and karl d nolph the two foremost figures in the field of peritoneal dialysis was combined to produce the first edition of the textbook of peritoneal dialysis the work quickly became recognised as the gold standard for those working in the field since its conception however our understanding of peritoneal dialysis related physiology kinetics and clinical outcomes as well as the concepts of intraperitoneal chemotherapy has increased sufficiently to make an updated and completely revised edition of the work necessary an expansion of the editorial team by fellow experts ramesh khanna and raymond krediet enabled an even more comprehensive approach to be taken this second edition reasserts the book s

uniqueness in its detailed discussion of the topic making it required reading for all those working within the field of peritoneal dialysis

this book covers some special issues relevant to peritoneal dialysis and is a guide to the clinical practice of peritoneal dialysis a team of international experts presents the latest information about novel peritoneal solutions pharmacological preservation of peritoneal membrane peritoneal dialysis catheters assessment of volume status in pd patients management of exit site infection microbiology of pd peritonitis peritoneal dialysis in acute renal failure and peritoneal dialysis and pregnancy

peritoneal dialysis pd is a dialysis technique in which the peritoneum is used as the membrane for the exchange of fluid and dissolved substances with blood it is performed in individuals with kidney failure to sustain the continued removal of excess fluid and toxins it affords better tolerability and greater flexibility in people with heart disease in peritoneal dialysis a solution made of hydrogen carbonate sodium chloride and an osmotic agent is introduced through a tube in the lower abdomen until it is removed later this can happen at regular intervals throughout the day or at night a person on pd should be monitored to ensure adequate dialysis and evaluated for complications since infections commonly occur with dialysis an appropriate medical regimen should be established to ensure its prevention this book outlines the techniques and applications of peritoneal dialysis in detail also included in this book is a detailed explanation of the modern practices of performing peritoneal dialysis this book with its detailed analyses and data will prove immensely beneficial to professionals and students involved in nephrology at various levels

continuous ambulatory peritoneal dialysis capd was introduced by popovich et al in 1976 with 4 6 exchanges per day and long dwell time between the exchanges later a group from seattle used the combination of cyclic and automated pd in their patients and then it was called as continuous automated ambulatory peritoneal dialysis caapd later in 1981 this technique was given the name continuous cycling peritoneal dialysis ccpd by diaz buxo currently over 130 000 patients are on capd worldwide and it is the most popular form of peritoneal dialysis this book on continuous ambulatory peritoneal dialysis is designed to address the various clinical decision questions supported by typical clinical scenarios with which all readers will be able to identify thus it provides an excellent opportunity to widen one's perspective in this area

the fourth international congress of peritoneal dialysis was held in venice italy june 29 to july 2 1987 by this time peritoneal dialysis had emerged as a treatment for a substantial fraction of patients with end stage renal disease and countless numbers of patients with acute renal failure this treatment is now practiced worldwide and is the life sustaining treatment for about 40 000 patients with chronic renal failure representing 15 to 20 of dialysis therapy in about 1000 centers it is not surprising therefore that the number of health professionals engaged in the investigation and the application of the treatment has also grown exponentially the first international symposium on peritoneal dialysis organized by dr a trevisani in chapala mexico in 1978

brought together a group of pioneers when continuous ambulatory peritoneal dialysis was in its infancy in 1981 dr g m gahl chaired the second symposium in west berlin when the technique and professional interest were growing considerably by 1984 when dr l f winchester and i organized the third symposium the presented papers exceeded 100 and there were about 1000 attendees at that time it was deemed appropriate to form a more organized group and the international society for peritoneal dialysis was founded one of the first actions of the society was to choose from among several applicants dr

telemedicine and remote patient monitoring are innovative tools to provide remote transmission interpretation and storage of data for review by the care team these tools allow for accurate home monitoring of patients enabling the team to improve care through prevention and early identification of problems this book is structured into four main parts the first describes the evolution of peritoneal dialysis and related technology the second part summarizes current unmet clinical needs reported by patients and care teams the need for innovation in the field and the technical and clinical issues involved with the modern management of peritoneal dialysis the third section presents the operational characteristics of the new information communication technology system and in detail the features of the sharesource platform finally a series of field experiences by expert users are reported to describe the benefits and the potential applications of remote patient monitoring in the future telemedicine and remote patient monitoring have proven to be useful in the care of patients on peritoneal dialysis the scope of this publication therefore is to present the experiences of clinical key opinion leaders who have been using the application

peritoneal dialysis pd is in widespread use for the treatment of acute and chronic renal failure a considerable amount of knowledge about the various procedures and problems associated with this form of treatment has accumulated over recent years particularly since the introduction of continuous ambulatory peritoneal dialysis capd however to date the information regarding the more technical or practical aspects of pd has been largely scattered in various books and journals there appears to be no straightforward text concerned with these points suitable for recommending to junior doctors or nurses dealing with patients receiving this therapy though in house training is of considerable value it takes time and i have noticed that on a number of occasions in our own unit technical problems with pd have not been dealt with quickly because of lack of knowledge in the staff on duty there thus appeared to me to be a need for a short book giving firm advice on how to perform the various procedures and how to deal with problems as they arose this manual is an attempt to fulfil that aim initially it was tried and tested on the renal unit in the cardiff royal infirmary for 3 years prior to publishing it has been extensively revised and updated

iii international symposium on peritoneal dialysis

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