

# ReNews

A PUBLICATION ON DIALYZER REPROCESSING

Volume 5 Number 1  
Fall/Winter 1997

## Dialysis in the Developing World

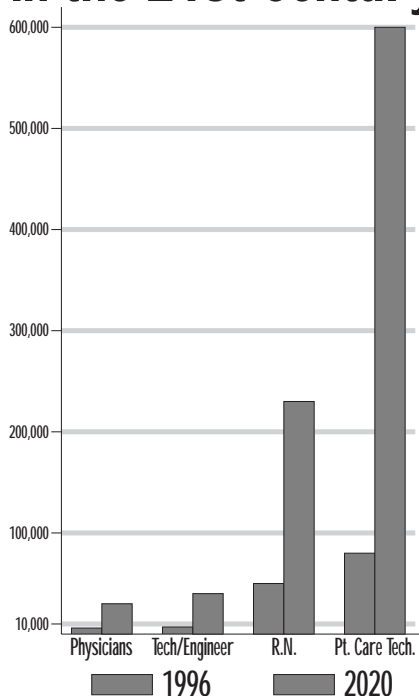
*Geraldine Biddle, RN, CNN President, WCRC*

Access to renal replacement therapies in developing countries throughout the world is increasing. Evidence of this fact can readily be seen by examining the expansion of US corporate interests into China, the Philippines, Central America, South America and Africa. Dialysis products have been distributed to these areas for many years, but new growth is clearly evident in the number of new dialysis centers opening every year owned by chains of providers from the developed world.

Historically, chronic renal replacement therapy has not been a priority for third world countries. However, today, with the rapid expansion of information technology and communication systems supported by the business interests of major corporations from all over the world, health care delivery systems are changing quickly.

How does the health care delivery system in a developing country change and adapt to modern science and treatment methods? How are funding priorities realigned as internal conditions improve? While the answers to these questions are not clear, one thing is apparent to the international nephrology community—dialysis services are expanding and

### Dialysis Workforce in the 21st Century



there is a new and growing demand for education to support the growth. These figures represent an attempt to estimate the new demand for dialysis and the need for nephrology healthcare workers that might be expected by the year 2020. The numbers are staggering.

Many nephrology professional organizations now recognize both the

need and the opportunity to expand their educational programs to the developing countries. In 1993, the International Society of Nephrology (ISN) officially organized what is now referred to as the Commission for the Global Advancement of Nephrology (COMGAN). Under the leadership of Dr. Barry Brenner (Boston) and co-chairman, Dr. John Dirks (Toronto), COMGAN has embarked on a worldwide mission to improve nephrology education for physicians through activities such as onsite teaching, mentor programs, sister unit relationships, and library enhancement programs.

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# Dialysis into the 21<sup>st</sup> Century

**Singapore Conference: October, 1996**

## **Planning Assumptions:**

- Currently 75% of people reaching ESRD in developing world do not have access to RRT
- Economies of many developing countries assumed to support commencement of dialysis program by 2000
- Population in developing world estimated to reach 12+ billion by 2020
- Current Treatment Incidence/Prevalence  

Developed World	Developing World
150pmp/1100pmp	10-50pmp/250pmp
- European mortality rate

Continued from page 1

Similarly, in January of this year, the World Council for Renal Care (WCRC) was officially registered in Switzerland to address the educational needs of non-physician healthcare workers in the developing countries. Faculties from both the WCRC and the ISN COMGAN participated on a teaching tour to Russia and Turkey this past June and plans are underway to expand multidisciplinary teaching in selected countries. The WCRC will be working with the ISN to expand programming opportunities to non-physician delegates attending the next International Congress of Nephrology (ICN) and Annual Conference of the Latin American Congress of Nephrology, May 2-6, 1999, Buenos Aires, Argentina.

For information about ISN COMGAN visit the ISN Home Page on the world wide web at <http://www.med.valberta.ca/isn>. For information about the WCRC, visit the "Organizations" page at <http://nephroworld.com>.

## **21st Century Demand for Care**

1996 statistics (approximate):

- 0.6 million ESRD patients in developed world
- < 100,000 in developing world

Estimates:

	2006	2011	2020
Developed	1 mil	1.5 mil	1.5 mil+
Developing	0.5 mil	1.5 mil+	3 mil

- Total 2020 World Wide Dialysis Population –

**4.5 mil.**

**DID  
YOU  
KNOW?**

***That the number of dialysis patients in Poland has more than doubled since 1990, from 2,340 in 1990 to 5,464 in 1996?***

***That in 1996, Poland had 1,113 hemodialysis stations in 132 dialysis units?***

**- Report on the stutuation of treatment of renal disease in Poland, Gdansk, 1997**

## **About the Author**

Geraldine Biddle, RN, CNN, is President of Nephrology Nurse Consultants in Albany, New York, and serves as a quality consultant for the ESRD Network of New York and the ESRD Program Team Center for Clinical Measurement and Improvement. She has over thirty years of nephrology nursing experience and is a past president of the American Nephrology Nurses' Association (ANNA) and the National Kidney Foundation of Northeast New York. Geri is a past recipient of the U.S. Food and Drug Administration Commissioner's Special Citation and of the Health Care Financing Administration Administrator's Citation for her contributions to improving dialysis patient care.

## Reminder

### Plan Ahead for Renalin® Cold Sterilant Inventory

Remember, Renalin® Cold Sterilant can only be shipped via ground transportation (airline regulations prohibit air shipment). Planning ahead now to meet your facility's reprocessing needs could prevent shortages this winter, when inclement weather may delay truck shipment delivery of Renalin®.

## Service is their Middle Name

### Renal Systems' Technical Service Department

Trying to get your reuse numbers up? Need help running customized reports from Renalog®? Trouble with your Renatron®? Help is only a phone call away. Renal Systems' highly trained technical service team is on-call 24 hours a day to answer your reprocessing questions and to assist you with your Renatron® system. Most technical problems can be resolved over the phone, but if your Renatron® ever needs to come in for repair, call Renal Systems by 3:00 p.m. central daylight time and a loaner unit will arrive at your facility the very next day.

### The tech service team is (left to right):

Name	Title	Years at Renal Systems
Shari Guhl	Technical Support Assistant	3 years
Mike Neary	Technical Service Manager	11 years
Tony Houle	Sr. Technical Service Rep.	8 years
Allen Hoover	Technical Specialist	6 months
Brian Houle	Technical Specialist	9 years
Greg Pielow	Technical Specialist	18 years

See p. 6 for details on Renal Systems' next Renatron® training seminar, offered four times a year by our technical service specialists.

## Back Issues

To receive a personal copy of future issues, or any of our back issues, call Renal Systems customer service at 1-800-328-3340

The following back issues of *ReNews* are available free-of-charge. Please limit your order to one per issue.

### Vol. 4, #2, 1997

"How Well Do You Know Your Unit's High Purity Water System?"

"The Facts on Latex Allergies"

### Vol. 4, #1, 1996

"Mortality Data and Reuse Presented at EDTNA"

"Interview: Allan Collins, M.D., FACP"

### Vol. 3, #2, 1995

"Reuse Labeling"

"Renatron: The People Behind the Product"

### Vol. 3, #1, 1995

"The Impact of Anticoagulation Techniques on Dialyzer Reuse"

"What IS a Sterilant, Anyway?"

### Vol. 2, #2, 1994

"Evaluation of the Renatron II® Pre-Clean Cycle"

"Is a Dialyzer Reprocessing Program Beneficial When Low Cost Hemodialyzers are Available?"

### Vol. 2, #1, 1994

"Achieving Maximum Use – One Unit's Perspective"

"Endotoxins, Dialysis, and Pyrogen Reactions"



## **Q** Is Renalin® effective against hepatitis C virus?

**A** When used as a sterilant (11 hours exposure at 68°F) Renalin® is an effective antimicrobial against all microorganisms including hepatitis C.



## **Q** Would you please send me data demonstrating the efficacy of Renalin® against hepatitis C specifically?

**A** Unfortunately there is at present no laboratory methodology that can be used to test Renalin® against hepatitis C specifically. The standard method of testing germicides against viruses starts with the growth of a stock suspension of virus. The virus particles are then dried on a surface followed by exposure to the germicide. At the end of the exposure period, the germicide is neutralized and the number of surviving viruses is assayed by inoculation onto cultured animal cells. The starting number of viruses is also determined so that the reduction by the germicide can be calculated. Unfortunately, for hepatitis C there is no procedure available for growing viruses in animal cells. Therefore, a stock suspension can't be grown and survivors can't be assayed.

## **Congratulations Archbold Dialysis Services!**

Archbold Dialysis Services of Thomasville, Georgia, has won the use of a two-station Renatron® II system free for one year. Gloria Green, Director of Archbold, stopped by the Renal Systems booth at the recent National Renal Administrators Association (NRAA) meeting in Phoenix, Arizona and entered her facility in the Renatron® contest. Her winning entry was chosen at random at Renal Systems Minneapolis, Minnesota headquarters (see below).

A sincere thank you to all who stopped by the Renal Systems booth at the National Renal Administrators Association (NRAA) meeting in Phoenix, Arizona.



*Caption: (left to right) Wayne Carlson (Reprocessing Product Manager), Jim Juhl (Business Unit Director), and Dan Schyma (Vice President, Sales and Marketing) draw the winning entry.*

## **We'd like your feedback**

Do you have a story idea or reprocessing question you'd like to see addressed *ReNews*? We welcome any input our readers have to offer. Please send your comments to *ReNews*, Attn: Wayne Carlson, Renal Systems, 14605 28th Avenue North, Minneapolis, MN 55447



# EDTNA/ERCA Holds Annual Meeting in Prague



## THE 26TH ANNUAL

Conference of the European  
Dialysis and Transplant

Nurses Association – European Renal Care Association (EDTNA/ERCA) was held in Prague, the Czech Republic, July 5-8, 1997. Approximately 3500 nurses, technicians, social workers, nutritionists and industry representatives attended the Congress which was held in the city's convention center. This year's meeting, which was conducted independent of the European Dialysis and Transplant Association/European Renal Association's (EDTA/ERA) annual meeting, drew the largest pre-registration in the history of the association.

The EDTNA/ERCA continues to expand in influence as the primary source of education and professional development for nephrology healthcare workers in Europe in both

developed and developing countries. This year the program committee received over 215 abstracts of which over three-quarters were accepted. Additionally, twenty-four guest speakers were invited to support and enhance the selected delegate presentations.

## The Farewell Party

### THE PRAGUE EXHIBITION

Center was the site for the traditional farewell party. Delegates and industry representatives enjoyed the musical performances of the beautiful Krizik "fountains", a selection of vocal presentations from the musical "Hair" presented by the local touring company, dancing to a variety of music in the disco centers, and a spectacular display of fireworks to highlight the excitement that lies ahead for

the next Congress venue Barcelona, Spain, July 2-5, 1998. For information contact:

EDTNA/ERCA Head Office  
Pilatusstrasse 35  
Postfach 3052  
6002 Lucerne  
Switzerland

Tel: ++41 41 440 75 55

Fax: ++ 41 41 440 39 62

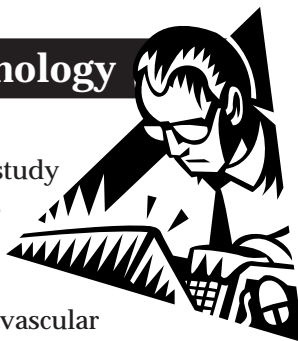
E-mail: 106111.2256@compuserve.com

## EDTNA/ERCA Information Technology

OF PARTICULAR NOTE WERE several presentations related to information technology. One session focused on the Internet and how renal care professionals can access its wealth of information and communication possibilities. Additionally, the EDTNA/ERCA is preparing to launch its first Collaborative Research Program (CRP) on the management of vascular access. The EDTNA/ERCA's Research Committee, under the leadership of Dr. Elizabeth Lindley and in collaboration with MediQual, Ltd., has developed a software package for data abstraction. The software utilizes Microsoft Windows and has been tested in over 100 centers in Europe for user-friendliness and reliability. A

prospective study is planned to investigate the effect of unit-specific vascular access management policies on access complications. New centers (including U.S. dialysis centers) will be able to join in the study, provided they agree to complete all components of the project. For information contact:

EDTA Research Office  
103 Dale Road, Buston  
Derbyshire SK17 6PD  
United Kingdom  
Tel/fax: +44 1298 78732.  
E-mail: 101465.2172@compuserve.com



## DID YOU KNOW?

***In 1995, there were  
2,363 dialysis units  
in the United  
States?***

*- 1995 CDC Surveillance Data*

***In 1995, 71% of all  
hemodialysis  
patients dialyzed  
in the United  
States were treated  
with reused  
dialyzers?***

*- 1996 USRDS Annual Report  
Data*

# ReNews Calendar of Continuing Education

Event	Date	Location	Contact
Renatron Technical Service Training Seminar*	Nov. 20-21	Napa, CA	Renal Systems Training Coordinator Shari Guhl at 800-328-3324
ANNA's 1998 Management/Advanced Practice Seminar: "Working Together Toward the New Millennium"	Jan. 8-11	Dana Point, CA	ANNA at 609-256-2320
Renatron Technical Service Training Seminar*	Feb. 12-13	Honolulu, HI	Renal Systems Training Coordinator Shari Guhl at 800-328-3324
NANT Technicians/Technologists Regional Meeting "Advances in Dialysis"	March 12-13	Las Vegas, NV	NANT at 937-586-3705
NKF Seventh Annual Spring Clinical Nephrology Meetings	March 26-29	Nashville, TN	NKF at 816-221-9559
ANNA's 29th Annual National Symposium	May 31- June 3	San Antonio, TX	ANNA at 609-256-2320

## BONENT Schedule of Certification Exams, Fall/Winter 1997

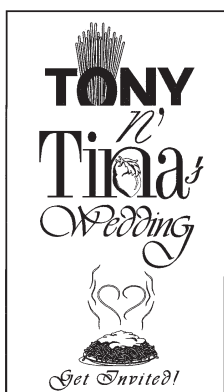
*The Board of Nephrology Examiners Nursing and Technology (BONENT) will hold certification examinations on the following dates:*

Date	Location	Contact
Nov. 23	Los Angeles, CA Dearborn, MI Newark, NJ	BONENT at 913-541-9077
Dec. 21	Houston, TX Chandler, AZ	BONENT at 913-541-9077
Jan. 14	Stouder Hospital Ohio	Joseph Atkins at 937-332-8985

*Application deadlines are 30 days prior to test dates.*

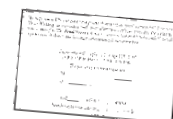
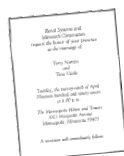


\*Renal Systems Renatron Training Seminar schedule is subject to change. Please contact Training Coordinator Shari Guhl at 800-328-2234 for most current schedule. Pre-registration is required.



"...Magnificent...Superb...  
Vibrant...Terrific...High  
Spirited...A Wonderfully  
Wacky Wedding"  
— Mike Steele, Star Tribune

## Renal Systems and Minntech Corporation Thank You for Your Support



A sincere thank you to all ANNA and NANT members who made Renal Systems' "Tony n' Tina's Wedding" event a resounding success. Over 1000 wedding guests attended the celebration held at the 1997 ANNA symposium this spring. We'll see you in San Antonio, site of the ANNA and NANT symposiums, in 1998.

Renal Systems  
Division of Minntech Corporation  
14605 28th Avenue North  
Minneapolis, MN 55447 U.S.A.  
Phone: (612) 553-3300  
Toll Free: (800) 328-3340  
Fax: (612) 553-3387

**renal  
systems®**  
Division of Minntech Corporation

Minntech B.V.  
Sourethweg 11  
6422PC Heerlen  
The Netherlands  
Tel: (31) 045-5471471  
Fax: (31) 045-5429695  
kvk No 14050802

