



ANZSN Australian and New Zealand Society of Nephrology

E Bulletin - March 2005

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- 1. ****Important Dates to Remember******

Applications for Travel Grants to World Congress of Nephrology

The closing date for applications to attend the WCN Meeting in Singapore in June is ***Friday 18th March 2005.***

Abstract Submission Deadline for the ANZSN ASM

The closing date for submission of abstracts for the ANZSN Annual Scientific Meeting to be held in Wellington, NZ in September is ***Monday 18th April 2005.*** Abstract Submission and Online Registration is now available via the conference website www.anzsn2005.co.nz

- 2. **President's Report**
Paul Snelling**

Welcome to the inaugural ANZSN e-Bulletin. I hope you all have had a pleasant and recuperative holiday season.

Our hope is that the e-Bulletin format provides a frequent and topical update on issues for members, while saving trees and the expense of mailing out newsletters. Though not as exhaustive as the previous newsletter format, the increased frequency will should allow us to keep you better informed than previously.

You will have all recently received from me an email regarding ISN-ANZSN joint membership. The joint membership has been in development over most of 2004 and you were polled as to whether you would take up the offer. We sent out subscriptions with the ANZSN subscription form in January. To date we are below our target of 70% of the membership taking up the offer with the possibility the ISN may reject the joint membership due to cost implications. In retrospect, and as some of you have pointed out, the subscription offer was significantly later than the usual ISN renewal and some members had already renewed their existing ISN membership, where they might have preferred to take up the offer if it was more timely. We are in discussion with ISN to try and ensure that the joint membership is successful and Council will attempt to have the issue resolved by the end of March. Obviously in future we will need to ensure that subscriptions are sent out at the same time as the general ISN subscriptions.

As mentioned in previous newsletters ANZSN is also developing a joint membership with ASN. The contract has just been signed between the two Societies this week and we will be sending out e-membership applications to you all when they are provided to us by ASN. There is no quota of ANZSN members who are required to take up this offer and therefore no risk to members or ANZSN that the contact will not be met. However I suspect some of the same issues of timing of subscriptions discussed above are relevant to those who are existing ASN members. Again we will probably look at sending out subscriptions at the same time as the general ASN subscription in the future.

You will all no doubt have seen the destruction wrought by the recent tsunami in Asia. We have received information from our Indonesian colleagues that the dialysis unit in Banda Aceh, close to the epicenter of the tsunami, has been destroyed and they are planning to rebuild the unit. This will obviously require funding, however dialysis services are a low priority in an area where clean water and food remain the primary focus for the Indonesian government and aid agencies. ANZSN has committed previously to support Indonesian nephrology through the CREED program, but due to generous funding from Fresenius to this program we have not had to provide funds. We are awaiting details on the budget required, but Council will discuss committing ANZSN funds to support the rebuilding at its meeting next week.

For our scientists I am pleased to announce that the KHA/ANZSN/NHMRC Career Development Award that has been mentioned in previous newsletters has been confirmed. Applications for the award should be available from the NHMRC website in the near future.

3. SPEC Report Rob Walker

Planning is well underway for the annual scientific meeting to be held in Wellington this year. Our two international speakers are Prof Rick Johnson and Prof Phil

Halloran, both of whom will be familiar to many members of the ANZSN. Additional themes for this meeting include an update on the cardio-renal axis and cardiovascular hormones; a symposium on bioethics covering stem cell research and altruistic donors which we hope will stimulate a lively discussion from the floor. In order to fit in with the flights to Wellington from Australia, the meeting will start on the Sunday afternoon, and finish on the Wednesday at lunchtime. In addition, to the excellent scientific programme, the local committee have put together a great entertainment programme as well. So we are looking forward to hosting everybody in Wellington. There is also an extensive opportunity for pre- or post conference trips to the various vineyards or ski fields depending upon your chosen interests, the organising team would be happy to provide additional recommendations regarding the potential options for travelling around NZ. As with recent meetings, abstracts submitted will all be presented as posters apart from those chosen for the major award categories. The call for abstracts will be open very shortly, with all submissions on line via the ANZSN web site and links to the local conference organiser.

I would like to remind all contenders for the various awards that they need to be paid up members of the ANZSN to be eligible for consideration. For the young investigators award, it is essential that your supervisor confirms your eligibility for the award.

There will be the post graduate course immediately prior to the meeting which will continue its high standards of previous years. The post graduate course is open to all members of the society, not just the advanced trainees in nephrology.

The Advanced Trainees' workshop weekend, kindly sponsored by Amgen Australia, is scheduled for May, with Dr John Cunningham from University College Hospital London, as the invited speaker (see John Kanellis' report).

4. ASM 2005 Grant Pidgeon, Chair - ANZSN 41st ASM

I have great pleasure in inviting you to attend the 41st Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology to be held in Wellington. To accommodate trans-Tasman travel the meeting will start late on Sunday afternoon, following on from the increasingly popular post-graduate course, and conclude by Wednesday lunchtime. The Scientific Program and Education Committee have spent considerable time planning a stimulating meeting, with two excellent overseas speakers, which promises much of interest for all members of the Society.

The meeting will be held at the Wellington Convention Centre which is strategically placed in the heart of the city within walking distance of all major hotels, the waterfront and the entertainment district. A memorable social program is planned culminating in the meeting dinner at Te Papa, the National Museum.

September is the ideal time for skiing in New Zealand so plan a visit to the Central Plateau of the North Island or Queenstown in the south. Alternatively check out the premium vineyards of Martinborough, just over the hill, or spend some time enjoying the scenic beauty of the New Zealand backcountry.

A great week is promised and I look forward to welcoming you personally to Wellington. See you then!

5. Postgraduate Training Courses

John Kanellis - Convenor Postgraduate Courses

The ANZSN Postgraduate Workshop sponsored by Amgen, May 13-15 2005, Gold Coast, Marriot Hotel: The program for the 5th Annual ANZSN Postgraduate Workshop Meeting sponsored by Amgen, is now well in place and eligible renal trainees should soon receive their invitations. As in previous years, preference for attendance will be given to advanced trainees in clinical training. Some basic trainees with an interest in future Nephrology training will also have the opportunity to attend. The generous sponsorship of Amgen Australia has made this event a wonderful success for the trainees in previous years and 2005 should be no exception.

The workshop will feature sessions on Careers in Nephrology, Renal Bone Disease, Ultrasonography, Transplantation, Hypertension and Glomerulonephritis. Professor John Cunningham (University College London, Middlesex Hospital) is the invited international speaker, and he will present updates on renal and transplant related bone disease. Tania Griffiths, Senior Lecturer and Course Co-ordinator of the Graduate Diploma in Medical Ultrasound at Monash University, is the local invited speaker, and she will cover the topic of Ultrasonography for Nephrologists. The remainder of the program will feature various Society members in interactive and informative presentations and workshops. As in previous years, the meeting will be somewhat informal and very social, designed to allow as much interaction as possible between junior and senior attendees.

Wellington, Postgraduate Course Sep 3-4, 2005 (immediately preceding the Annual Scientific Meeting Sep 5-7, 2005): This year's Postgraduate course in New Zealand is expected to be another great success. Topics that will be covered include Renal Disease and the Heart, Renal Failure in ICU, Haemodialysis and Peritoneal Dialysis adequacy, Genetic Renal Disease, Essential and Pregnancy related Hypertension, Transplant patient follow up, and Pharmacology of Immunosuppressive drugs. An interactive Histopathology session will also be featured.

We have 2 outstanding International guests and Speakers for the course - Professor Richard Johnson (University of Florida, Gainesville, USA) and Professor Phil Halloran (University of Alberta, Edmonton, Canada). Both will also be present for the main ANZSN meeting. Rob Walker, Helen Pilmore, Grant Pidgeon and other members of the local organising committee have helped put together several other excellent speakers for the 2 days of talks during the course and for the subsequent Scientific Meeting.

The traditional course dinner (on the Saturday night) will be held at the Wellington Brewing Company and will feature what should be a highly entertaining talk by Professor Richard Johnson (titled "The Spirit of Investigation"). Plans are also underway to link up with the Australia vs All Blacks Tri Nations Rugby Test match, live from Eden Park Auckland, during the course of the evening. Should be a great night for some good old trans-Tasman banter.

6. Travel Grant Reports

Jason Cain

I would like to thank the ANZSN for their support to attend the 2004 American Society of Nephrology (ASN) Renal Week in St. Louis which provided me with the opportunity to present my poster entitled 'Exogenous BMP4 Amplifies Asymmetry and Decelerates Ureteric Branching Morphogenesis in the Developing Mouse Kidney *In Vitro*'. This was the first time I had attended the ASN, and for that matter travelled to the US so it was quite a different experience for me.

The quantity of the developmental nephrology program of the meeting was not very big, however the quality of the research in this field was brilliant. This was highlighted in a session related to the regulation of nephron development and repair as well as a very interesting session on the novel uses of genetic models in mice. These sessions showcased some of the cutting-edge techniques that are now becoming available.

The meeting also provided me with a fantastic opportunity to meet some of the world leaders in the field of developmental nephrology and discuss my own work with them. Not only was I able to gain valuable feedback on my research but was also able to learn about new ways of approaching various problems that I had not previously known or understood.

The experience of attending such a large international meeting and making new contacts is invaluable and I certainly recommend attending the ASN to everyone. I am extremely grateful for the financial support of the ANZSN to attend this meeting.

Fiona Chow

I would like to express my sincere thanks to the ANZSN for its generosity in assisting me to attend the American Society of Nephrology Annual Scientific Meeting held in St. Louis, Missouri, October 2004 though the award of a travel grant. This was by far the largest renal meeting I had ever attended, and I was impressed that at times, there were over a dozen concurrent sessions to choose from, and there were over 1000 posters exhibited each day!

I felt privileged to attend lectures from world leaders in renal research, whose names were familiar to me as the authors of textbooks and original research papers! By far, however, the most amusing sessions were the interactive keypad sessions. In these, complex and challenging clinical cases were put up, and the audience had to pit its wits against the "experts" in answering multiple choice questions whilst the hall resounded with the dramatic strains of "Who Wants to be a Millionaire"-style music!

I presented 2 posters detailing the results of my PhD studies into the role of inflammation in the pathogenesis of diabetic nephropathy. I was absolutely delighted to be able to discuss my work with researchers from around the world interested in this area, and these discussions have generated many valuable ideas for future studies.

Once again, I thank the society for providing support enabling me to attend this meeting, which has been a truly enriching experience.

Murray Leikis

I would like to take the opportunity to thank the ANZSN for offering me a Travel Grant to attend the recent ASN Meeting in St Louis.

With an attendance of 10000 delegates and over 1000 posters per day the meeting had many concurrent sessions and an overwhelming amount of work being presented. Whilst this meant missing out on some good sessions, it also meant that there was something for everybody. For me there were some excellent sessions on acute renal failure, hypertension trials, transplantation and the metabolic syndrome. The poster sessions gave me the opportunity to meet people interested in my work and also to talk to others involved in the field of exercise and muscle function in renal failure.

However, the main theme seemed to be the increasingly evident problems of rising obesity and its relationships to the metabolic abnormalities, endothelial dysfunction and renal disease. As was presented very clearly in the meeting and also easily seen outside the meeting, Americans are just eating too much! This was highlighted by some excellent clinical symposia with standing room only. The most eagerly awaited session was the outcome of the 4D trial of Atorvastatin in dialysis patients showing no significant benefit of lowering cholesterol on the composite primary endpoint – a result which will no doubt have many post-hoc analyses.

As for St Louis, I very much doubt that it will be back on my tourist map. The downtown area was a ghost town with no people, many unoccupied buildings and no shops. The only signs of life were the ever present motor vehicle and the ubiquitous car park building indicating somebody had to come downtown sometime. Its only redeeming features were the conference facilities which easily coped with the large number of people and the impressive St Louis Gateway to the West Arch, the tallest monument in the US at 192m, giving a good view from the top. Losing the 'World Series' Baseball just before the meeting certainly didn't help.

Socially however, the intrepid Antipodeans still managed to have a good time. If you enjoy a good steak, with chips and coke, then you were well catered for. After hours, a couple of local Blues bars called BB's must have made a handsome profit over the 4 day meeting being a regular meeting place for those who ventured the streets to find them.

Once again I would like to thank the society for the opportunity to attend this meeting. The encouragement from other researchers interested in my work and the opportunity to have discussions with other researchers in similar fields was invaluable.

Rosemary Masterson

I was lucky enough to be given the opportunity to attend the ASN in St Louis, Missouri in October 2004. As with previous ASN meetings I have attended, the quality of the clinical and basic science presentations was outstanding.

As anyone who has attended this conference knows, the size of the conference and the sheer number of excellent presentations to attend can be daunting. I was therefore grateful that at least from the perspective of the poster presentations, that I had decided in advance which posters I wanted to see. As I am completing a PhD focused

on prenylation and statins, this provided me with a great opportunity to meet some of the world experts in this field. I found most investigators very willing to share information and provide advise on experimental techniques and methodologies.

There were several reviews of recently completed clinical trials in all areas of Nephrology. A review of the EUVAS trials was particularly valuable, providing an excellent summary of all the randomised controlled trials carried out to date for the treatment of vasculitis and detailing the future studies planned. Multi centre participation in these large randomised controlled trials is at last providing very clear guidelines for the treatment of renal vasculitis and perhaps consideration should be given to the future participation by Australian centres in some of these studies.

The results of the 4-D study were also presented amid great suspense at the meeting. This German study was a randomised placebo controlled trial in type II Diabetics on haemodialysis for less than 24 months to see the effect of atorvastatin in reducing the combined incidence of cardiac deaths, non fatal AMI and stroke. Somewhat surprisingly, atorvastatin was not shown to have any significant effect on this primary outcome measure. The presentation of these results was followed by an interesting discussion on the potential reasons for the lack of effect

As one attends different meetings over the years, certain drugs or therapies appear to be “the flavour of the month”. This year at the ASN, there were a number of talks and posters focusing on the effectiveness of Rituximab, the anti CD20 monoclonal antibody in the treatment of conditions including lupus nephritis, ANCA vasculitis and antibody mediated allograft rejection. Most of the data presented was based on open label, non-randomised studies. It will therefore be particularly interesting to see the outcome of 2 randomised studies now underway, to assess the effectiveness of Rituximab in the treatment of lupus nephritis compared with conventional therapy.

As always the ASN is also a great social event. Being Irish and having trained for 4 years in London, this meeting provides a great opportunity to catch up with colleagues from overseas. I find this extremely valuable, not only from a friendship perspective but also the informal opportunity provided to discuss new research initiatives or potential collaborative studies. Although it could be argued that St Louis was not the most exciting city, this did not impede most from having a good time! I would like to express my extreme gratitude to the ANZSN for providing me with the financial assistance to attend this meeting and would encourage all young researchers to make the effort to attend the ASN in the future.

Peter Mount

The 2004 American Society of Nephrology Annual Scientific Meeting was held last November in St. Louis. From a personal perspective, the highlight was the opportunity to present some of our work from the Kidney Laboratory at the Austin Research Institute. I delivered an oral presentation on the role of the metabolic sensor AMPK in regulation of nitric oxide production in the macula densa. Dr Scott Fraser, who was unable to attend the meeting, performed much of this work in our laboratory. I thank him for the opportunity to present the work, which was well received. I also had the opportunity to present my own work on the role of AMPK in the ischaemic kidney and this seemed to generate considerable interest. Presenting the work has also facilitated our establishing a new collaboration. There were also many highlights

amongst the various seminars and plenaries. These included an overview by Dr Chris Baylis on the effect of renal failure on nitric oxide production in the kidney. Also fascinating was a presentation by Michael Brownlee, who suggested that the pathogenesis of all the various abnormalities observed with hyperglycaemia and diabetes could be explained by a single common pathway: namely excess mitochondrial superoxide production. Overall, this was a very worthwhile meeting and I would like to thank the ANZSN for their support in providing me with a travel grant.

Matthew Roberts

I attended the ASN Renal Week 2004 in St Louis and was grateful for the assistance of the ANZSN Travel Grant. I presented a poster entitled “Cardiac Troponin I and Advanced Glycation Endproducts are complementary predictors of adverse clinical outcomes in patients on haemodialysis”.

The “world première” of the long-awaited results of the “4D” study (Die Deutsche Diabetes Dialyse Studie) was the main highlight of this meeting. With all the mounting evidence of the benefit of statins in other high-risk patients (such as diabetics and, in some post-hoc analyses, people with reduced GFR), no study had yet demonstrated a benefit in our high-risk dialysis patients. The published rationale and design of this study asked the question whether the benefit from statins would be “potentiated or abrogated” in the presence of the “non-traditional” risk factors (KI 71; ppS222-6, 1999). Participants were patients with Type 2 diabetes who commenced haemodialysis within the previous 24 months, and were randomised to receive atorvastatin 20mg or placebo.

In the largest auditorium of the whole meeting, Principal Investigator Christopher Wanner described (with the aid of multiple huge screens and the trusty Powerpoint program) an excellent collaboration between 178 sites in Germany. 1255 patients were followed for a median of four years, and 469 events occurred. The randomisation resulted in very similar groups at baseline and lipid levels were effectively lowered and maintained at lower levels in the treatment group.

Interestingly, the LDL in the placebo group was gradually lowered over the course of the study. Finally, Professor Wanner gave the audience what it had been patiently waiting for - the curve of cumulative events. He showed the placebo group first – a black line that steadily rose to a 50% cumulative incidence of the primary outcome (combined vascular events). Then, ever so slowly, a green line for the intervention group wriggled a path alongside the placebo curve. There was stunned silence (and perhaps some laughter at this Powerpoint stunt) as the green curve of cumulative events that was to break down the last (or perhaps just the first) frontier of lack of evidence in treating cardiac risk in dialysis patients wriggled upwards alongside the black placebo line. It clung tenaciously all the way to the end, refusing to separate. Professor Wanner had delivered his audience a negative study.

Despite being a negative study, this was an extremely important study, worthy of the prominent place it received at this meeting. The final publication and no doubt many sub-studies will be very informative. An increase in strokes in the treatment group appeared to play a role in the final outcome of this study and it will be interesting to see if the investigators are able to explain why this occurred.

The most stimulating presentation was by Bryan Williams from Leicester, UK, analysing the HOPE Study in the session “Controversies behind influential hypertension trials.” This was by far the clearest and best-presented talk that I heard at the meeting. Professor Williams raised the issue (which has already received much debate) of how blood pressure is measured in clinical trials and how this might influence the conclusions of the HOPE investigators regarding effects of ACE inhibition other than BP lowering. He also questioned the value of comparing the blood pressure of two groups at the end of the study when it is the blood pressure in those who suffered events (and may not have survived to the end of the study) that is important.

There were many other presentations, a daily plethora of posters and many Australians with better access to cricket scores than I had. Unfortunately, the town of St. Louis will not be all that fondly remembered but perhaps this is only because the convention centre may be in an inactive part of town. The weather will be remembered for the humidity, except on the final day when there was some time to explore before the journey home, when all of the preceding weeks humidity conspired to form so much rain that spare clothes were recommended for anyone who ventured outside.

Terry Samuel

The generous travel grant from the ANZSN enabled me to attend the ASN renal week in St Louis, USA in 2004. I was fortunate enough to attend one of the postgraduate courses that preceded the annual scientific meeting. I participated in the ‘ICU nephrology, ARF, and the management of poisonings’ course. Of particular interest to me was the suggestion that the term Acute Tubular Necrosis (ATN) should be replaced by Acute Kidney Injury (AKI) in order to recognize that both apoptosis and necrosis contribute to cell death in ARF.

I had ample opportunity to present some of my research work on 3-D quantitative analysis of the normal kidney structure. Nephron number and size are emerging microanatomical markers of susceptibility to renal disease and hypertension. The total glomerular number in the kidney is negatively correlated with mean glomerular volume. Low nephron number is associated with chronic renal failure, hypertension and chronic allograft dysfunction. Birth weight is a powerful determinant of total nephron number via several intrauterine environmental and genetic mechanisms that require further clarification.

I also attended a brilliant evening symposium on intravital imaging techniques presented by the faculty of the pathology department of the University of Indiana.

As usual the ASN renal week is a great time to make new friends and catch up with old ones!

Giovanni Strippoli

Thanks to the ANZSN for offering, once again, a travel grant to attend the ASN meeting in St. Louis in 2004. The ANZSN also awarded travel grants to attend the annual scientific meeting of the Society in Adelaide, and I was one of the recipients of such grant.

Attending the scientific meetings for which I received travel grants has been a great opportunity, for both training and social reasons. In the annual ANZSN scientific meeting I had the opportunity to present in the KHA award session, which I consider a real privilege and a good recognition, at the end of my training in clinical research in Australia. As for the ASN scientific meeting, I was particularly impressed by the how the credibility and recognition of my research overseas has grown over the past 2 years. Needless to say that such credibility and recognition are mainly the merit of the the training and advice received from the Australian Institution (the NHMRC Centre for Clinical Research Excellence in Renal Medicine and the Editorial base of the Cochrane Renal Group, the University of Sydney School of Public Health) where I spent the last 3 years working intensively on systematic reviews and other epidemiological studies. Professor Jonathan C. Craig and his group have been a great inspiration to my personal and scientific life. Thanks to them, thanks to the ANZSN, thanks to the Cochrane Renal Group, the NHMRC CCRE, the Department of Education Science and Training of Australia, whom all have offered grants to allow me to spend time in Australia, I could experience the joy of being stopped by many world-recognized leaders of nephrology, asking me about my ongoing or published research. It was a breathtaking experience, believe it or not!

To complete the scientific side of it all, I have had an opportunity not only to meet people who congratulated me on my research, but also to set meetings with young residents and fellows who requested to undertake systematic reviews under my supervision, a fact which I consider a particular challenge and a big honour and one of the ways that I will return to the Cochrane Collaboration something in change for what they (in the person of Prof. JC Craig, Narelle Willis, and the others) have given me.

Enough of science and as usual, in the style of a good Italian, a few good news from the social side of a conference. In Adelaide we had a great boat adventure trying to reach a restaurant somewhere in the zoo. Apparently they had told the sailorman that he should take us in the zoo not earlier than 7 pm, such that we had to spend about 1 hour sailing in the river. Unfortunately the had forgotten that it was freezing out there, but of course the sailormen had to do his job and so he kept sailing for the entire hour while we were all freezing to death! Then finally we got dinner, except that there was a woman holding an owl in her hands during the break between the first and the second course! A little better in the United States. There is now a relatively crouded group of Australian friends who enjoy spending some time dining with me whenever there is a chance to meet overseas. And so we did. We enjoyed some good dinners -mainly steak and lobster- and talked about my parrots (as always) as much as about other projects of our young lives, including plans for our weddings, the Italian Mafia...and so on!

Getting back to serious, I have been overwhelmed by the generosity of the ANZSN in many ways. The Society has offered travel grants and assistance in many instances. Its members have welcomed me in Australia and have trained me proficiently. I have made good friends, the type of friendships that will last for long. Now that I have returned to Italy I feel privileged for having worked in collaboration with Australian Institutions and look to my ongoing collaborative research projects with these Institutions as one of the highlights of my professional life. Thank you all.

Kate Wiggins

I would like to thank the Australian and New Zealand Society of Nephrology for giving me a travel grant for the ASN meeting. This was my first international meeting, and was a great experience. The meeting was held in St. Louis, which is famous for its arch and World Fair.

On the first 2 days I attended the post-graduate education meeting on chronic renal impairment. There were sessions covering aspects such as the epidemiology and increasing magnitude of this problem, and measures such as angiotensin blockade and control of hypertension. There was a very interesting talk about the role of hyperuricaemia and the progression of chronic kidney disease. New approaches to assessing the progression of renal impairment, particularly use of MRI to assess renal mass in polycystic kidney disease, were also presented.

The final three days of the meeting consisted of the meeting itself. I found that there was a lot of emphasis on cardiovascular disease in chronic renal impairment and dialysis populations, in particular the lesser role of traditional risk factors and the importance of inflammation. I did a poster presentation on the association between an elevated white cell count at the commencement of peritoneal dialysis and mortality. The opportunity to discuss this with people at the poster session, and to see other research considering inflammatory markers, particularly in peritoneal dialysis patients, was very beneficial for me.

Overall I very much enjoyed the meeting. It allowed me to gain greater perspective about many aspects of nephrology. It was also good to receive reinforcement of the fact that nephrology practice within Australia appears to be comparable to the rest of the world.

7. Positions Vacant

Visit the ANZSN website for more details about the following positions vacant/scholarships/PhD opportunities:-

- Clinical Epidemiology Training Scholarships in Renal Medicine
- F/T Staff Specialist Nephrologist - Northern Territory Renal Services
- One Year Job Swap Opportunity in England
- PhD opportunity based at Brisbane Hospital
- PhD Positions in Clinical and Experimental Nephrology, Westmead Millennium Institute
- PhD Scholarships in Renal Medicine
- Staff Specialist Renal Physician, Shoalhaven Hospital

8. Meetings

Visit the ANZSN website under Clinical & Scientific Meetings for details about forthcoming meetings.

9. Other Matters of Interest

Learning, Educational and Professionalism Framework (LEAP)

The LEAP Framework that has been developed provides a generic framework for continuing professional development (CPD) and has been developed for Australian medical specialists, applicable to a range of disciplines and practice settings. For more information about free workshops and other information visit the LEAP website www.leapframework.edu.au

Amyliodosis Diagnosis, Treatment and Research

Seminars on Amyliodosis Diagnosis, Treatment and Research will be conducted in Brisbane, Sydney, Melbourne and Adelaide during April 2005. For further information contact Mrs Pat Neely (07) 3378 6361 p.neely@uq.edu.au

