



# Neurosurgical Research Foundation

Annual Report, 2010

The objective of the Foundation is directed towards research into the cause, diagnosis, prevention and treatment of disease or malfunction of the brain, spine and nervous system.



# MISSION STATEMENT

*To promote, foster, develop and assist the study of all matters related to neurosurgery.*

*To encourage, stimulate and aid research and investigation into such matters and to stimulate public interest in neurosurgery.*

*To cooperate with other organisations in neurosurgical work and research.*

*To encourage post graduate medical study in neurosurgery*

*To assist the NRF Chair of Neurosurgery*

*To raise funds for the above purposes.*

## Council Members 2010

Ms Carolyn Hewson AO  
Dr Brian North AO  
Mr Mel Zerner  
Ms Ginta Orchard  
Mr Chris Ashenden

Mr Jon Gregerson  
Prof Peter Reilly AO

Prof Robert Vink

Ms Melanie Cooper  
Mr Lindsay Hick  
Prof Jack McLean  
Dr Nick Vrodos

Patron  
President  
Hon. Treasurer  
Hon. Secretary  
Vice President  
Chair Executive Committee  
Chair Appeals Committee  
Chair of Scientific Committee  
Chair Policy Development Committee  
NRF Chair of Neurosurgical Research  
University of Adelaide

Mr Don Donlan  
Dr Matthew McDonald  
Prof Donald Simpson AO  
Mr Jim Whiting

## From Our Patron

As an organisation we aim to promote and build the presence and support base of neurosurgical and neuroscience research in South Australia and I want to acknowledge the commitment and contribution that so readily comes from our many volunteers in support of that vision. Contributions come from all our Council members who continue to give of their time and expertise, from our Vice Patrons of the Foundation, NRF Life Members, Ambassadors, our Members and others from all walks of life who have been touched by the life changing value of neurosurgical research.



*Caroleyn Hewson*

Caroleyn Hewson

It has been a pivotal year for the NRF 2009 as we planned for the \$2million Paediatric Neurosurgical Appeal. This will be our largest fundraising effort ever.

In order to underpin this effort the NRF has continued to take some significant forward steps in its capacity to raise funds and build our profile in the community. The funds raised in the Appeal will support critical research focused on neurosurgical problems in children including head injuries, brain tumours, epilepsy and birth defects and we look forward to providing you with regular updates on our progress in reaching our target level.

Thank you for your ongoing support; I encourage you to maintain your commitment to the NRF as I am confident the work done by the Foundation will continue to be of lasting value to all Australians. I especially ask you to make a donation and support the Paediatric Appeal.

## Launching the NRF Paediatric Appeal in 2010

**Neurosurgery saves children's lives every day**  
**Medical Research saves children's lives in the future**

The NRF Paediatric Appeal aims to raise \$2million to establish ongoing research into brain diseases, life threatening conditions and trauma in children. Every day children die or their lives are severely compromised by conditions such as: arteriovenous malformation (AVM), aneurysms, brain tumours, brain haemorrhage, epilepsy and stroke.

The Paediatric Appeal will help create and fund a new research position, based in Adelaide, in conjunction with the University of Adelaide, Royal Adelaide Hospital and Women's & Children's Hospital.



Alex - Brain tumour survivor



Cadel - Living with hydrocephalus



Missy - Survivor of two brain tumours

## NRF Life Members

Mrs Audrey Abbie	Establishing the Abbie Simpson Clinical Fellowship
Mr Ken Abbott (deceased)	Former Treasurer and Council Member
Mrs Helli Campbell	Former NRF Executive Officer
Mr Richard Campbell	Graphic design services over 20 years
Mr Bill Cooper OAM	Former NRF Council Member and generous donor
Mr Roger Cundell OAM	Generous donor
Mrs Peggy Cundell	Generous donor
Mrs Beatrice Dinning	The wife of NRF Founder, the late Dr. Trevor Dinning
Dr Trevor Dinning (deceased)	Neurosurgeon and NRF founder
Mr Richard Fewster	Former NRF Council Member
Emeritus Prof Derek Frewin AO	Former Dean of Health Sciences, University of Adelaide
Dr Douglas McKay (deceased)	Paediatric surgeon and former NRF President
Mr Robert Neill	Honorary NRF Auditor
Mr Robert Searcy	Former NRF Council Member 23 years service
Prof Donald Simpson AO	NRF Council Member over 45 years service

## Ambassadors

Alicia Critchley	Brain tumour survivor	Zia McIntosh	Acute subdural haemorrhage
Anna Curyer	Brain tumour fighter	Christopher Menzel	Brain tumour survivor
Tonia Doody	Brian tumour survivor	Sheryn Miles	Brain tumour survivor
Hilda Farrell	Spinal surgery survivor	Harry Moyle	Head injury survivor
Corey Fordam	Arteriovenous malformation (AVM) survivor	Ryan Mugan	Brain tumour fighter
Di Floreani	Aneurysm survivor	Jane Muras	Head injury survivor
Alex Gilchrist - Byrne	Brain tumour survivor	Sian Murphy	Spina bifida survivor
Cassandra Hewett	Spinal injury survivor	Bronwen Murphy	Spina bifida and hydrocephalus survivor
Sammy Inge	Spina bifida and hydrocephalus survivor	Missy Pascoe	Survived two brain tumours
Tina Kolopelnyk	Aneurysm survivor	Tyler Rutka-Hudson	Traumatic brain injury survivor
Bethwyn Levi	Aneurysm survivor	Gillian Sharrad	Spinal surgery survivor
Toni McArthur	Brain tumour survivor	Shanice Sri	Aneurysm survivor
		Cadel Trenerry	Living with hydrocephalus

# From our President

I am pleased to report that the Neurosurgical Research Foundation (NRF) has once again concluded a most successful year.

## Paediatric Appeal

In my 2008-2009 annual report I announced the decision to launch research into children's neurological conditions at the Women's and Children's Hospital in partnership with the University of Adelaide and Professor Robert Vink. This project has been developed further and preparations to launch the Paediatric Appeal took place progressively during the year. As a result of Dr Andrew Zacest having to concentrate on clinical work at the Royal Adelaide Hospital, the NRF Council resolved to utilise funds from the Abbie Simpson Clinical Fellowship in the Paediatric research initiative. This change of plan will enable the NRF to accelerate the pace to reach the \$2 million target for the Paediatric Appeal.

## Investment Policy & Research Funding

As a consequence of the global financial crisis (GFC), we reviewed our finances and set up a Committee to advise on how the NRF should manage its funds. Another result of the GFC was low interest rates which resulted in less interest income for research. We had planned to support two neurosurgical registrars in training, but this was reduced to one registrar in 2010. The successful applicant was Dr Adam Wells from Adelaide who began in February 2010. He will investigate stroke where blood supply is reduced to an important part of the brain.

The Foundation has an enviable record of ensuring that donations are directed to supporting research. Administrative expenses are primarily funded by income from a 'corpus' and interest on deposits. NRF Council has contracted with Perpetual Trustee Company Limited to professionally manage the funds within parameters set by Council. As needed up to 20% of unrestricted income may be used to offset costs of raising these funds and for administration and statutory compliance expenses. Over the past three years the NRF has provided over \$400,000 for neurosurgical research. I am pleased to say that the Foundation has contained expenses so that they are below the 20% level of Income.

## Professor Donald Simpson

The Foundation owes a great debt to Professor Simpson for his role in creating, nurturing and presiding over the NRF during a 47 year period. Planning for a Testimonial Lunch to honour his achievements progressed during the year and will be held in the National Wine Centre on 13th October 2010.

## A big thank you

We are fortunate to have dedicated men and women from our community who donate their time to the NRF and advise the Foundation in the business of fundraising. I want to place on record the diligence, expertise and hard work by all Council members. They all have busy lives in business and our community. Our Patron has been very active and helpful, especially since her return to live in Adelaide. Her appointment to the board of BHP Billiton is a significant recognition of her abilities.

There are many volunteers who help with the preparation of newsletters, functions, publicity material, selling cards and so on. We are grateful to all these people for their unselfish donation of time to our organisation. I wish to make special mention of Ginta Orchard, our Executive Officer for her enthusiasm, hard work, and guidance. Ginta has been successful at a national level in awards from the Fundraising Institute. This is no mean feat for a relatively small foundation from Adelaide in what is a very competitive field. Thank you.

In conclusion, the Foundation has had an active and productive year with an increase in both the scale and quality of research. I am confident that the NRF is fulfilling the objectives set out in our Constitution "to encourage, stimulate and aid research and investigation into all matters related to neurosurgery".

*Brian North*

Brian North President



# NRF Chair of Neurosurgical Research University of Adelaide – Research Report



The 2009/2010 year was a particularly fruitful year for the neurosurgical research program with a number of students successfully completing their studies and several more joining the research team. Firstly, our congratulations go to Naomi Cook and Tim Kleinig who completed their research studies and were awarded PhDs. Naomi's work identified important mechanisms of injury that operate at the genetic level to contribute to brain injury in both acute and chronic neurological conditions. Notably, this work was only possible because of critically important equipment purchased with donations received from the Neurosurgical Research Foundation. Tim Kleinig's work focussed on intracerebral haemorrhage and he was able to demonstrate that both the brain and the systemic immune system play an important role in this condition. Naomi has now moved to Sydney to pursue her research career while Tim has continued his practice in Adelaide as a clinical neurologist, albeit with an active interest in continuing with research. Two more clinicians have also completed their research training, namely Rowena Newcombe who submitted her PhD examining mechanisms of cell death after spinal cord injury, and Damian Amato who submitted his Masters of Surgery thesis describing more appropriate models for the study of raised intracranial pressure. Both are expected to receive their degrees shortly. It is indeed heartening to see three clinicians successfully completing their research studies and now having the ability to incorporate their research training into their clinical careers. I am sure that you, along with me, will be following their future careers with great interest.

Another highlight of the year was the fact all 3 of our honours students not only completed their honours degrees, but all 3 were awarded 1st class honours. Mark Hassall characterised novel interventions targeted at reducing involuntary motor movements in Parkinson's Disease, Lauren Giorgio described the potential role of substance P in neurogenesis after brain trauma, while Qinqin Lui explored the possibility of using ocular pressure as a novel biomarker for brain injury. Their outstanding performance not only is a reflection of the high quality of student that is attracted to the neurosurgical research program, but also of the wonderful research expertise within the team that is now available to support these students. I am certainly proud of the fact that we have now produced 8 first class honours graduates in succession. With each set of graduations, there is an opportunity for new students to join the laboratory and I am happy to welcome our new cohort. At the PhD level, we have Qinqin Lui continuing in the lab as a PhD student. Her project, jointly supervised by Dr John Finnie and myself, focusses on the development of interventional therapies for shaken baby syndrome. Adam Wells has also joined us as a Masters of Surgery student. Jointly supervised by A/Prof. Brian Brophy and myself, Adam is a neurosurgical trainee who will be developing a novel model of stroke that can be used to more effectively screen potential clinical therapies. He is currently working closely with Dr Stephen Helps, and will pursue the development of new therapies when Dr Renee Turner returns from the USA to rejoin the lab as a National Health and Medical Research Council research fellow. At the honours level, we are joined by Hannah Carthew, Jane Elliot, Matthew King and Alex Horner. Hannah is characterising the effects of neurogenic inflammation on post-traumatic neurogenesis, Jane is investigating neurotransmitter changes associated with Sudden Infant Death Syndrome, Matthew is further characterising the role of neuropeptides in Parkinson's disease, while Alex is studying the contribution that aquaporins make to CSF production after brain injury. Of course, the supervision of these students would be impossible without the valuable contributions of Prof. Roger Byard, A/Prof. Mounir Ghabriel, Dr Corinna van den Heuvel, Dr Emma Thornton and Dr Jenna Ziebell as co-supervisors.

Also joining us as visiting international fellows this year are Dr Magda Cuciureanu from Romania and Jose Roman from the USA. Magda was awarded a prestigious European G08 fellowship and chose our laboratory to undertake studies examining the interaction between brain neuropeptides and stress. Jose joins us from the University of Alabama at Birmingham for a summer fellowship working closely with Dr Robert Anderson from the Centre for Automotive Safety Research to characterise the biomechanics of a new model of shaken baby syndrome. I trust their short time with us will develop personal and professional relationships that will foster ongoing international collaboration.

In addition to the student successes we have had in the last 12 months, we continue to be productive in terms of research outputs. A number of our publications appeared in international journals over the past 12 months, and several individuals presented their work at international conferences. Notably, Dr Emma Thornton presented at the Parkinson's Disease Congress held in Buenos Aires, Dr Tim Klenig presented his work on intracranial haemorrhage at the International Stroke Conference in San Antonio, Texas, Christine Barry presented her work on subarachnoid haemorrhage at the European Stroke Conference in Barcelona, Dr Stephen Helps presented at the Australian Neuroscience meeting in Canberra, while Prof. Vink gave a plenary lecture at the International Magnesium Symposium in Iasi, Romania and attended the USA National Neurotrauma Symposium in Las Vegas. Our presence at these important meetings continues to promote our international reputation in neurosurgical research. In addition, we successfully attracted over \$440,000 in research funding from the Brain Foundation and the National Health and Medical Research Council to support biomechanical studies of neurotrauma with Dr Robert Anderson, and studies of shaken baby syndrome with Dr John Finnie, respectively.

We are fortunate to receive continued competitive funding from federal granting agencies such as the National Health and Medical Research Council to support some of our projects. However, the continued support of the NRF is also critical if we are to continue to offer the many innovative student research projects that are undertaken each year in the laboratory. These projects are essential for the training of the outstanding young scientists that join our group every year, and subsequently graduate to become the future leaders in neurosurgical research. With your continued support, we can continue to produce research outcomes of benefit to all neurosurgical patients.



Robert Vink  
Professor of Neurosurgical Research  
University of Adelaide



# NRF Coopers Open Day 2009



The fourth NRF Coopers Open Day was held on Saturday 2nd of May. It was a wonderful day for all involved and enabled the NRF to raise \$11,500 towards life-saving neurosurgical research. The NRF would like to give special thanks to Coopers Brewery, and of course the Cooper family (Bill, Jo & Melanie) for not only hosting the event but for enabling us to hold such a fantastic day, and opportunity to contribute to and fund vital neurosurgical research.



Jack McLean, Brian North & Don Donlan  
With Coopers Family Melanie, Jo & Bill.

The NRF would also like to thank all of our sponsors and supporters; including BankSA for donating the marquee, Wavals Party Hire for providing tables and chairs and of course Adelaide Poultry Fresh Choice, Four Seasons Fresh Produce, Baker's Delight - Greenacres and NRF Member Dean Williams for providing the delicious food consumed on the day. Thanks go to our generous Lottery donors: Coopers Brewery, Sky City Casino and Peter Lehmann Wines.



Thanks also go to all of the generous volunteers whose tireless efforts made this amazing day possible:

- Coopers Staff: Nick Sterenberg. Paul Burge, Simon Fahey & Leanne Gelly.
- Lions Club of Tea Tree Gully for cooking the BBQ.
- The Bar Staff: George, Gunars and David.
- Kitchen staff: Peter, Blackie, Mara, Di, Liz, Robin.
- Golf Coordinators: Gavin and Katherine.



The NRF would especially like to thank all the Coopers Club members who joined NRF members in supporting this fundraiser. Especially dedicated Coopers Club Member and Open Day attendee Mark Foster who proved his dedication to the cause through his specially modelled hairstyle for the day.

Another fundraising event held on the Open Day was closest to the pin golf. Congratulations to one of the round winners Phil North pictured here with NRF Executive Officer & Event Manager Ginta Orchard.

## Executive Officers Report:



The NRF is extremely grateful to you, all our donors and members whose donations enable us to fund the lifesaving research you read about in our Annual Report and Newsletters. We thank you all for your ongoing support.

We also have many people who play key roles in promoting and fundraising for the NRF, I would also like to thank them for their time and work.

I would particularly like to thank some key volunteers who help me and the NRF at many of our events and activities, without the dedication and time given by these people, the NRF would not have been able to host the following activities.

- the Charity Card Shop volunteers: Di Floreani, Bethwyn Levi, Sheryn Miles, Sherrie Pascoe, Ilze Thomas, Anne Tohill and Wendy Trow.
- the Paediatric Launch: Julia Atterton, Phill Bartley, Penny Bowen, Jessica Cossich, Anna Curyer, Rosemary Day, Di Floreani, Mark Hassall and Valda Jones.

Additionally, I would like to thank our Ambassadors who share their lifesaving neurosurgical stories to promote the NRF, these amazing people not only share their amazing life saving stories they also attend many NRF events to promote our cause.

Those who shared their stories with us this year and who will promote the Paediatric Appeal: Alex, Cadel, Corey, Missy, Shanice, Toni and Tyler.

Finally I would like to thank the Ambassadors and their families who attended the Ride Like Crazy event at dawn on Sunday 17th January this year to set the 2,000 cyclists off on their challenge: Alex, Anna, Di, Missy, Ryan, Sheryn and Tyler,

On a sadder note two of our very special Ambassadors have lost their fight with their illnesses and have died during the year. I would like to thank Paul Sherman and Graeme Marshall and their families for all their past support. People are still dying and losing their fight and that serves to remind us of the importance in continuing research to find cures and lifesaving treatments as fast as possible.

So we ask that you please continue to support the NRF through donations, bequests and volunteering so that more lives can be saved and changed.



Ginta Orchard  
Executive Office

## Ride Like Crazy 2010 raised funds to fight cancer

Many thanks to the South Australia Police [www.ridelikecrazy.com](http://www.ridelikecrazy.com).

The NRF will purchase a NanoZoomer with the \$80,000 raised by this event. This equipment analyses thin sections of brain tissue and digitises the results, such as in brain cancer research. It revolutionises the role of the pathologist because the analysis is automatic; in this way research output is increased dramatically.



# How to continue supporting the NRF

The NRF provides vital funding each year for neurosurgical research projects. Without research there can be no advance in the treatment and management of injuries and diseases of the nervous system.

## DONATIONS

So please support the Neurosurgical Research Foundation. The NRF is looking for donations to continue the funding of life saving research, specifically into brain disease and brain injury.

### REGULAR MONTHLY DONATIONS

Think about making a regular monthly automated donation, they save time and you will receive an annual statement. It is a convenient hassle free way to spread your donation throughout the year.

Either register online through the Our Community. This is a quick, totally secure way to donate. So go online to [www.nrf.com.au](http://www.nrf.com.au) and click on the Donate Now button.

Or use the enclosed form and we will manage the monthly donations for you through the NRF office.

Either way will take out the preset amount you stipulate each month on our behalf, not incurring any management fees.

## BEQUESTS

Bequest in 2009-2010 financial year.

The NRF wishes to thank NRF Member John Morton for leaving a bequest to the NRF. We were sorry to hear about his death and thank him and his family for contributing to the NRF's research through leaving a bequest.

Why make a bequest to the Neurosurgical Research Foundation?

We ask you to consider a bequest to the Foundation in your Will so that we can continue to help save lives and make a difference to the quality of life for many others. The NRF receives no government funding and is dependent on the generosity of the community to achieve its objectives. Your annual donations support our annual Grant projects. Bequests enable us to fund major projects like the Trainee Fellows and Research Chairs.

### YOUR WILL

The making of a Will is an important part of your planning; it gives you peace of mind to know that you have looked after your loved ones and friends. It is important to make your own decisions about what happens to your assets. Many people today still die without having made a Will, do not be one of them. You may not actually realize the total value of your estate, which you have built up over the years. Especially with property prices having risen so much over the last 10 years. So we encourage you to please look after your family first however there may be the opportunity to leave some percentage to neurosurgical research, a cause which you have supported in your life.

### NRF CONTACT DETAILS

To help you leave a Bequest to the Foundation, your solicitor will advise about the wording and legal requirements. The official contact details for the Foundation are: Name: Neurosurgical Research Foundation and Address: PO Box 698, North Adelaide, SA 5006.

## IN MEMORIAM DONATIONS

In Memoriam donation in 2009-2010 financial year.

The NRF wishes to acknowledge the following In Memoriam donations received from families and friends in memory of their loved ones.

Mr Frederick William Cannon  
Dr Chin Tiang Lee  
Ms Kaylene Mueller  
Mrs Joyce Sweatman

Dr Ahmad Hanieh  
Mr Beau James Lyons  
Mrs Maxine Page  
Mr Robert Tydd

Mrs Helen Harris  
Mr Darryl Moyle  
Mr Steven John Stewart

An In Memoriam Gift is a donation made instead of sending flowers, or just to remember, a loved relative, friend or colleague. It is a positive and thoughtful way to remember and honour the life of a loved one. The gift can be made at the time of the bereavement or any time later and you may wish to make an annual gift to commemorate the anniversary of the loss.

You may wish to consider the NRF in the future and In Memoriam Gifts are receipted and acknowledged promptly. The family will be notified of all donors, with their names and addresses. All donations over \$2 are tax deductible.

## PARKINSONS GRANT:

### ADDITIONAL FUNDING FOR PARKINSON'S DISEASE RESEARCH

Australian Executor Trustees allocated a \$10,000 Grant to Parkinson's disease research from their annual discretionary trust.



Australians are known for their generous spirit of giving and support of worthwhile causes. Australian Executor Trustees has been helping people give back to the community for over 120 years.

A novel therapy for involuntary motor movements and disease progression in Parkinson's disease.

Summary: Levodopa (L-DOPA) is the primary treatment for Parkinson's disease despite the fact that 40-70% of all patients on L-DOPA will develop both motor fluctuations and dyskinesia within 5 years of beginning treatment. Dyskinesia is involuntary jerky muscle

contractions, twisting or rapid movements, and is often more debilitating than the original symptoms. These involuntary motor movements significantly interfere with the patient's quality of life, and unfortunately, there is no treatment. The current project will investigate the novel hypothesis that dyskinesia is related to oscillating substance P levels in the basal ganglia, and will examine whether substance P antagonists can reduce dyskinesia while maintaining L-DOPA delivery, and whether they can attenuate disease progression. The project has the potential to profoundly improve the quality of life of Parkinson's disease patients.

**NEUROSURGICAL RESEARCH FOUNDATION INCORPORATED**  
**INCOME AND EXPENDITURE STATEMENT FOR YEAR ENDED 31 MARCH 2010**

<b>DONATIONS &amp; FUNDRAISING INCOME</b>	<b>2009</b>	<b>2010</b>
	<b>\$</b>	<b>\$</b>
Donations - Grants	-	10,000.00
Donations - Brain Tumour Research	50,000.00	-
Donations - Paediatric Appeal	-	5,960.20
Donations - Bequests	1,000.00	10,000.00
Donations - In Memoriam	4,500.00	4,584.67
Donations - General	52,359.50	73,668.10
Fund Raising - Functions Surplus	17,205.91	11,093.06
- Charity Card Surplus	3,549.25	3,436.73
Members' Subscriptions	940.94	1,037.26
<b>TOTAL DONATIONS &amp; FUNDRAISING INCOME</b>	<b><u>129,555.60</u></b>	<b><u>119,780.02</u></b>
 <b>Less GRANTS FOR RESEARCH</b>		
NRF Chair of Neurosurgical Research	50,000.00	100,000.00
Paediatric Appeal	50,000.00	-
Brain Tumour Research	50,000.00	-
Trigeminal Pain Research	31,672.24	-
Parkinson's Research	24,426.76	10,000.00
	<u>206,099.00</u>	<u>110,000.00</u>
<b>SURPLUS/(DEFICIT) - DONATIONS/FUNDRAISING</b>	<b><u>(76,543.40)</u></b>	<b><u>9,780.02</u></b>
 <b>INTEREST INCOME</b>		
- Bank SA	1,099.45	210.86
- Banks SA - Term Deposits	42,383.40	26,247.91
- Adelaide Bank - Money Market	43,981.65	19,523.44
- ANZ Bank - Bank Bills	8,229.40	-
Unrealised Gain - Perpetual Managed Investment	-	14,946.79
<b>TOTAL INTEREST INCOME</b>	<b><u>95,693.90</u></b>	<b><u>60,929.00</u></b>
 <b>Less ADMINISTRATION EXPENSES</b>		
Postage, stationery and telephone	11,918.94	13,942.39
Printing Annual Report & Newsletters	5,799.64	8,535.42
Promotion and Development - Staff	54,065.75	60,443.09
Promotion and Development - Materials	-	6,735.01
Other Expenses	9,819.13	7,413.67
Depreciation and Amortisation	1,304.01	2,177.00
	<u>82,907.47</u>	<u>99,246.58</u>
<b>SURPLUS - INTEREST INCOME</b>	<b><u>12,786.43</u></b>	<b><u>(38,317.58)</u></b>
<b>TOTAL SURPLUS/(DEFICIT) FOR YEAR</b>	<b><u>\$(63,756.97)</u></b>	<b><u>\$(28,537.56)</u></b>

These pages are extracts from the Audited Financial Statement. If you require a full set of the Financial Statement please contact Ginta Orchard – Hon Secretary on either phone (08) 8371 0771 or email nrfginta@bigpond.com.

**NEUROSURGICAL RESEARCH FOUNDATION INCORPORATED**  
**BALANCE SHEET FOR YEAR ENDED 31 MARCH 2010**

	2009	2010
	\$	\$
ACCUMULATED FUNDS - CORPUS	1,200,000.00	1,200,000.00
ACCUMULATED FUNDS - OTHER		
Opening Balance	121,908.85	58,151.88
Surplus/(Deficit) for year	(63,756.97)	(28,537.56)
Closing Balance	58,151.88	29,614.32
<b>TOTAL ACCUMULATED FUNDS</b>	<b>\$1,258,151.88</b>	<b>\$1,229,614.32</b>
<b>ACCUMULATED FUNDS REPRESENTED BY ASSETS</b>	<b>\$</b>	<b>\$</b>
<b>CURRENT ASSETS</b>		
Bank SA - Gift Fund	8,129.66	-
Bank SA - Cheque Account	11,349.72	38,259.73
Bank SA - Term Deposits	738,695.42	360,044.60
Adelaide Bank - Money Market	640,299.67	-
Sundry Debtor - GST Receivable	1,910.07	-
Charity Card Shop Stock	4,250.00	4,179.00
Sundry Debtor - Card Shop Sales	233.20	263.62
Prepayments - Functions	-	6,628.43
Deposit - Public Trustee	5,000.00	5,000.00
<b>TOTAL CURRENT ASSETS</b>	<b>1,409,867.74</b>	<b>414,375.38</b>
<b>NON CURRENT ASSETS</b>		
Office Equipment and Computer Software	7,405.00	5,228.00
Perpetual Managed Investment	-	1,014,946.79
<b>TOTAL NON CURRENT ASSETS</b>	<b>7,405.00</b>	<b>1,020,174.79</b>
<b>TOTAL ASSETS</b>	<b>1,417,272.74</b>	<b>1,434,550.17</b>
<b>Less Liabilities</b>		
<b>CURRENT LIABILITIES</b>	<b>\$</b>	<b>\$</b>
Sundry Creditors - Grants for research	156,099.00	181,672.24
- Expenses	323.28	2,347.26
- GST Payable	-	541.35
Income in Advance - Functions	2,698.58	20,375.00
<b>TOTAL LIABILITIES</b>	<b>159,120.86</b>	<b>204,935.85</b>
<b>NET ASSETS</b>	<b>\$1,258,151.88</b>	<b>\$1,229,614.32</b>

**NEUROSURGICAL RESEARCH FOUNDATION INCORPORATED**  
**TRUST FUND – (NRF Chair of Neurosurgery)**  
**INCOME AND EXPENDITURE STATEMENT FOR YEAR ENDED 31 MARCH 2010**

<b>INCOME</b>	<b>2009</b>	<b>2010</b>
	<b>\$</b>	<b>\$</b>
Donations	100,000.00	50,000.00
Interest		
- Bank SA	151.68	123.21
- Bank SA - Term Deposit	5,274.95	3,379.50
- Bank SA - Bank Bills	3,420.94	-
<b>TOTAL INCOME</b>	<u>108,847.57</u>	<u>53,502.71</u>
<b>Less EXPENSES</b>	<u>-</u>	<u>-</u>
	<u>108,847.57</u>	<u>53,502.71</u>
<b>Less RESEARCH GRANT EXPENDITURE</b>		
- University of Adelaide	300,000.00	-
<b>SURPLUS/(DEFICIT) FOR YEAR</b>	<u><b>\$(191,152.43)</b></u>	<u><b>\$53,502.71</b></u>

**BALANCE SHEET AS AT 31 MARCH 2010**

	<b>2009</b>	<b>2010</b>
	<b>\$</b>	<b>\$</b>
<b>CAPITAL</b>	<u>10.00</u>	<u>10.00</u>
<b>ACCUMULATED FUNDS</b>		
Opening Balance	267,512.42	76,359.99
Surplus (Deficit) for Year	(191,152.43)	53,502.71
Closing Balance	<u>76,359.99</u>	<u>129,862.70</u>
<b>TOTAL ACCUMULATED FUNDS</b>	<u><b>\$76,369.99</b></u>	<u><b>\$129,872.70</b></u>
<b>REPRESENTED BY</b>		
<b>ASSETS</b>		
<b>CURRENT ASSETS</b>		
Bank SA - Cheque Account	1,160.88	1,284.09
Bank SA - Term Deposit	75,209.11	78,588.61
Sundry Debtor NRF General Fund	-	50,000.00
<b>TOTAL ASSETS</b>	<u><b>\$76,369.99</b></u>	<u><b>\$129,872.70</b></u>
<b>Less Liabilities</b>		
<b>CURRENT LIABILITIES</b>		
Sundry Creditors - Grants for Research	-	-
<b>TOTAL LIABILITIES</b>	<u>-</u>	<u>-</u>
<b>NET ASSETS</b>	<u><b>\$76,369.99</b></u>	<u><b>\$129,872.70</b></u>

**Your donations and bequests are vital for us to continue our life-saving research. Here are some lucky people whose lives have been saved and changed! These families say “Thank You” to neurosurgery for saving their lives.**



### **Corey - Arteriovenous Malformation AVM Survivor**

Corey at the age of nine suffered a life threatening brain haemorrhage due to an Arteriovenous Malformation (AVM).

AVM's form accidentally in the brain prior to birth; it is a tangled mesh of abnormal blood vessels directly connecting arteries to veins in the brain and occurs in approx 3 people out of 10,000.

A bleeding AVM is a medical emergency and requires immediate lifesaving action.

Corey woke up one morning with a terrible headache and vomiting, unknown to him and his family he had an AVM. Corey had been sick, off school and slowing down for a couple of weeks.

Fortunately due to the swift action of the hospital staff after many tests, the AVM was confirmed. He was very quickly moved to the Women's & Children's Hospital where his brain surgery happened to stop the bleeding and remove the AVM.

“Every day I thank those wonderful staff for acting so quickly and professionally to save Corey. He has fully recovered and is now an active 12 year old.” Corey's Mum.



### **Tyler - Traumatic Brain Injury Survivor**

Tyler's life was saved through swift action and lifesaving neurosurgery.

Tyler was on holiday in Whyalla; he was riding his bicycle, without a helmet and was hit by a car. He flew over the bonnet of the car and landed in the trailer. The driver did not initially realize he was there.

Tyler sustained a bilateral fractured femur, where his legs hit the trailer edge. He also had an intracerebral and intraventricular brain haemorrhage.

Adelaide neurosurgeon Cindy Molloy flew with RFDS to Whyalla and performed an external ventricular drain, draining the fluid from the brain. This was a life-saving procedure. He was brought back to Adelaide, incubated and ventilated. He had a craniotomy for the brain haemorrhage.

Tyler has made a remarkable recovery and walks unaided. He has returned to mainstream school and does very well. Tyler is enjoying playing basketball and netball once again aspiring to become a teacher.

“If it wasn't for neurosurgery, I would not be alive today”, Tyler thanks all those who saved his life and helped his amazing recovery. Tyler also asks everyone to please wear a cycling helmet and look both ways before rushing ahead. Tyler always thinks twice now as he was lucky this time.



### **Shanice - Aneurysm Survivor**

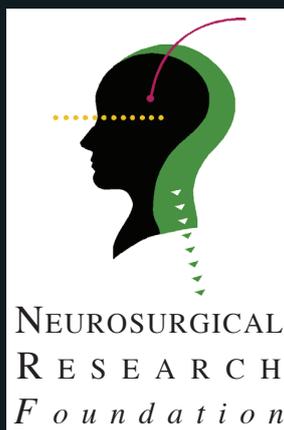
Shanice survived a brain haemorrhage; this was the result of a life threatening aneurysm which was hiding in her brain. Shanice had just arrived in Adelaide with her family, moving here to live from Singapore.

On her second day at her new school she passed out and fell to the ground. Once she came to she had lost the ability to communicate. The school acted swiftly and most probably saved her life by sending her straight to the Women's and Children's hospital.

Shanice had a scan which not only showed the life threatening brain haemorrhage but also revealed an even bigger silent killer, an aneurysm. Shanice was lucky to have staff operate so quickly to clip her aneurysm. Today only 1 in 2 people survive with aneurysms. They are silent deadly conditions. The majority of brain aneurysms have no symptoms.

Aneurysms are extremely rare in children. Many aneurysms are fatal and successful early neurosurgery within the first 72 hours produces good results.

Shanice and her family are most grateful to the swift action of the school and neurosurgical staff which ensured their move to Australia did not start with a tragedy.



NeuroSurgical Research Foundation  
Executive Officer: Ginta Orchard  
PO Box 698, North Adelaide SA 5006  
Phone: (08) 8371 0771  
Fax: (08) 8261 0945  
Mobile: 0419 844511  
Email: [nrfginta@bigpond.com](mailto:nrfginta@bigpond.com)

Website & Online Donations: [www.nrf.com.au](http://www.nrf.com.au)