



walking in the promise of

CURE

annual report 2007



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VISION

To be a philanthropic foundation of excellence that invests in and facilitates healthcare solutions to continuously improve patient care.

MISSION

To give grants, raise and facilitate donations and manage financial contributions in support of medical research, medical and healthcare education, and healthcare services for Singaporeans and the community at large.

Chairman's Message

An institution of Public Character (IPC) under the Ministry of Health, it is our top priority to ensure that the Foundation upholds the highest standards of corporate governance, seeking ways to continuously improve processes and procedures for managing grants and donor funds efficiently and transparently. The Foundation's focus will always be on best practices in foundation and non-profit organisation management as we abide by and comply with the Code of Governance for Charities and Institutions of Public Character in the areas of governance, grant administration and fundraising activities.

industry and companies, institutions and like-minded individuals in filling the gaps in the present healthcare delivery system by supporting critical programmes that otherwise might go unfunded.

Going forward, with the strong commitment of the Board of Trustees, management and staff, the Foundation will continue to work towards improving the quality of life for Singaporeans and the community through better care.

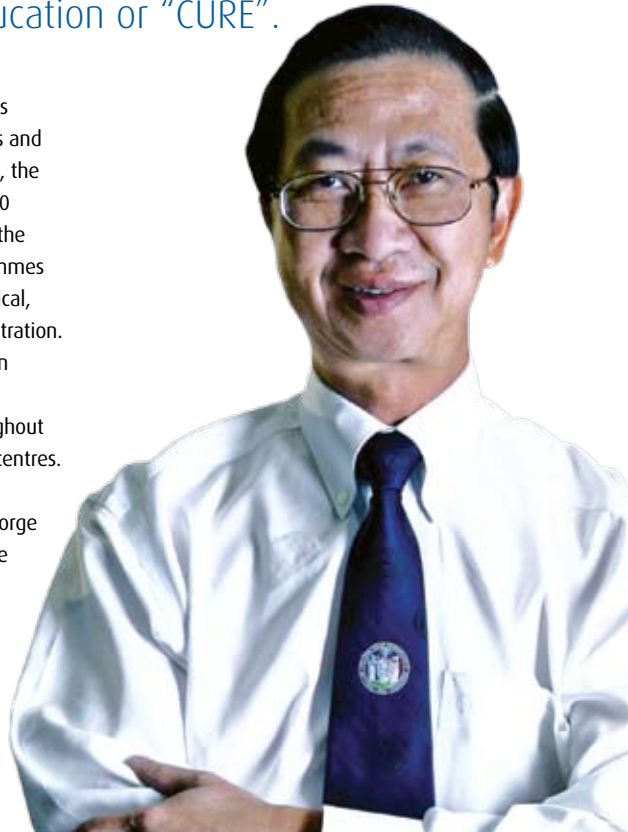
SingHealth Foundation was established in 2002 as a non-profit grant-making organisation. Our mission is to give grants, raise and facilitate financial contributions to improve the quality of healthcare for Singapore's future generations through its four core areas: Cord Blood Bank, Understanding Patient Care, Research and Education or "CURE".

I would especially like to thank our partners and donors for their generous contributions and unwavering support. Through their support, the Foundation was able to fund more than 200 grants under 30 main programmes within the Foundation's 4 focus areas. Funded programmes concentrated in many areas including medical, healthcare, research, and specialty administration. Through these programmes, the Foundation aims to contribute to better healthcare and services across many disciplines and throughout SingHealth's many hospitals and specialty centres.

The Foundation will continue diligently to forge strong partnerships between the healthcare

PROF TAN SER KIAT

Chairman, SingHealth Foundation



Structure, Management And Governance

The SingHealth Foundation is the philanthropic arm of SingHealth. It was established in 2002 as a non-profit grant-making organisation.

The Foundation is an Institution of Public Character (IPC) under the supervision of the Ministry of Health, who acts as the Central Fund Administrator.

BOARD OF TRUSTEES

The Foundation is governed by a board of trustees comprising talented and respected individuals from the medical, healthcare, business and philanthropic communities. They provide extensive knowledge and strong corporate stewardship and are passionate about strengthening the future of healthcare provision in Singapore.

The Board of Trustees oversees and approves the formulation of the Foundation's strategic objectives and directions, and sets the values and standards of the Foundation. The Board of Trustees also reviews the Foundation's activities, adequacy of internal controls, financial reporting and compliance, as well as management performance.

- Prof Tan Ser Kiat
- Dr Jennifer Lee
- Dr Lee Suan Yew
- Ms Priscylla Shaw
- Dr Mary Ann Tsao
- Ms Jeanette Wong
- Mr Lucien Wong
- Mrs Ruth Wong
- Mrs Karen Koh
- Mr Sia Kheng Hong

GOVERNANCE

The Board of Trustees and Management of the Foundation are committed to maintain high standards of governance and abide by the Code of Governance for Charities and Institutions of Public Character.

The Foundation believes that its governance practices are in line with the principles of the regulations. New governance practices are implemented on a timely basis throughout the financial year.

AUDIT COMMITTEE

To enhance the governance framework, the Board of Trustees established an Audit Committee in 2007. The Committee, chaired by Ms Jeanette Wong, is comprised of three Trustees. During the year under review the Committee met 3 times and completed the following:

- Drew up the Terms of Reference of the Committee
- Reviewed the results of the external audit and recommended to the Board of Trustees the approval of audited financial statements
- Considered and approved the Audit Strategy and Planning Memorandum for both external and grant audits.

GRANTMAKING COMMITTEE

During the year, the Board of Trustees reorganised the Grantmaking Committee to further enhance its effectiveness. The Committee consists of three Trustees and is chaired by Dr Lee Suan Yew. The Committee meets twice yearly and its responsibilities include to develop the grant making criteria of the Foundation and to make recommendations to the Board of Trustees for grant awards. The Committee also measures the effectiveness of the grant making programme.

POLICIES AND PROCEDURES

The Foundation has incorporated policies and procedures to ensure that the new requirements for IPCs are met. Investment, Purchasing, Media and Communications, Grantmaking and Conflict of Interests policies were established and updated during the year. The overriding rules and regulations of the Foundation, including board governance, fundraising and other operating requirements are presented in the Foundation's Operating Rules which were also updated to reflect the new regulatory requirements. The Board of Trustees reviews policies and procedures regularly to ensure that these policies remain relevant, effective and contributory to preserving the trust and confidence of our stakeholders.

CONFLICT OF INTERESTS

The Foundation maintains a Conflict of Interests policy to assist the Board of Trustees, employees, consultants, vendors, volunteers, and major donors of the Foundation to identify and manage situations that may present a potential conflict of interests. The policy includes requirements for the declaration of potential conflicts, procedures for managing such conflicts, and documentation required if such conflicts occur.

MANAGEMENT

The Director and the General Manager have been given the responsibilities of implementing policies and directions laid down by the Board of Trustees.

The Director volunteers his service to the Foundation.

- Dr Kwa Chong Teck

A close-up photograph of two hands, one above the other, firmly grasping a thick, light-colored rope. The rope has a prominent knot at the top and another at the bottom. The background is a soft, out-of-focus green, suggesting foliage or trees. The lighting is warm and natural, highlighting the texture of the rope and the skin of the hands.

TOGETHER
we secure
the **C**ord of life

Cord Blood Bank

The Singapore Cord Blood Bank (SCBB), Singapore's only non-profit public cord blood bank was officially opened in September 2005. It serves as a national resource to provide placental cord blood units of high safety and quality, through the practice of internationally accredited techniques of collection, processing, banking and disposition, in order to support cord blood transplantation and related research in Singapore and around the world.

Every year, more than 200 Singaporeans are diagnosed with critical blood-related cancers such as leukaemia, lymphoma, and other immune-related diseases such as thalassaemia and severe aplastic anaemia. At present, the

their combinations found in Singapore, so that Singaporeans and Asians around the world will have a better chance of finding a suitable blood stem cell match.

Since its inception, SCBB was able to facilitate its first transplant for a local child with Severe Combined Immunodeficiency, a fatal condition where the body is unable to fight infections. In the subsequent year, there were seven more transplants including one regional and one international transplant. With its current inventory of more than 3,000 CBUs, SCBB expects to be able to provide CBUs to at least 20 patients in the coming year and to double that number in subsequent years. SCBB aims

What makes Singapore Cord Blood Bank unique is its goal to build a diverse bank of Asian Cord Blood Units.

chances of a Singaporean finding a potentially life-saving stem cell match are slim. While there are a large number of donors of Caucasian origin in bone marrow and cord blood registries around the world, 65% - 80% of Asians worldwide are currently unable to find a match. As a result, many Asian patients succumb to diseases that might otherwise be treated with a blood stem cell transplant.

What makes SCBB unique is its goal to build a diverse bank of Asian Cord Blood Units, representative of the diverse ethnic groups and

to have over 10,000 cord blood units (CBUs) in its inventory.

In 2007, SCBB became the first in the region, and the third International Public Cord Blood Bank outside the USA to join the National Marrow Donor Programme (NMDP). NMDP is a global family of transplant networks connecting more than 450 leading Transplant Centres, Bone Marrow Donor Centres, Cord Blood Banks and Repositories worldwide. This collaboration will facilitate the search for both local and international patients requiring a stem cell transplant.



we **U**nderstand
the importance
of patient care and
strive to bridge
the gaps

Understanding Patient Care

SingHealth Foundation seeks to identify and support programmes that enhance healthcare effectiveness and efficiency to improve the quality of patient care.

Singapore General Hospital (SGH) Centre for Hearing & Ear Implants started its Music Therapy in April 2007. It was initially developed to meet the needs of a limited group of hearing impaired children, and benefited some 20 children and infants from the centre. In November 2007, the Music Therapy expanded to a full service programme to include all patients, both children and adults with hearing impairment, children with developmental and behavioural problems; and cancer and trauma patients in Outram

and breathlessness. These symptoms hinder patients from carrying out their daily activities, employment or studies. Many of these patients cannot afford to pay for their treatment which is as costly as that offered to patients suffering from leukemia and lymphoma. Treatment ranges from oral medications, blood transfusions, and in severe cases, bone marrow transplantation. Unfortunately, there is currently no organisation that provides funding for treatment of such diseases as they are not considered as critical illnesses.

National Dental Centre's Tooth Fairy Fund was set up to provide treatment funding for needy patients with medical conditions such

The Foundation supports programmes that take patient care a step further.

campus for both in-patients and out-patients. A music therapist now sees an average of 32 patients per week and conducts quarterly group Music Therapy in a purpose-built music room renovated in March 2008.

SGH Programme for Needy Patients with Non-Leukaemic and Non-Lymphomic Blood Disorders provides financial support for those who need Bone Marrow Transplantation (BMT) so that they can successfully undergo BMT and receive continual financial support for their treatment after their BMT. SGH initiated this programme for these patients who suffer from severe blood disorders due to dysfunctional bone marrow that is neither related to leukemia nor lymphoma. Patients with such disorder usually have low hemoglobin level (red blood cells), thus causing them to experience general weakness

as nasopharyngeal cancer, complex facial deformities or other inherited conditions that require multi-disciplinary care that stretches over a long period of time. In 2007, The Tooth Fairy Fund provided 356 patients with financial assistance for dental treatment.

The Liver Transplantation Programme was set up at SGH to provide a cure for end-stage liver failure patients. SingHealth Foundation provided funds to purchase surgical and intensive care equipment, and a core team of in-house doctors, nurses, ancillary staff, and visiting consultants was assembled to meet this critical need. In 2007, SGH's Liver Transplant Service expanded its capability to include living donor transplantations. To date, 18 liver transplantations had been done out of which three were from living donors.

we invest in
Research for the
advancement of
healthcare



Research

Discoveries in biomedical research have benefited and saved many lives. There are however unlimited number of fundamental advancements yet to be discovered and realised. The Foundation is dedicated to funding the efforts of our researchers in translating their findings into potential cures for patients.

Some of our funding goes to support cancer research to find innovative ways to prevent, diagnose and treat cancer, the leading cause of deaths. One such project receiving our support is Associate Professor Tan Soo Yong, a pathologist from Singapore General Hospital. He and his team are investigating whether

the degree of phenotypic variation of ARMD that exists in the Singaporean Chinese population.

Another researcher Associate Professor Xiao Zhi Cheng from Singapore General Hospital is looking to understand the molecular events that mediate communication among cells, including brain tumour cells, in the nervous system during development, regeneration, degeneration, which affects learning and memory. Together with his team, they are trying to understand how neurons can degenerate in Alzheimer's disease.

Dr Tan Ee Hsien of KK Women's and Children's Hospital is working to determine the number of

Investment in medical research today will shape healthcare for future generations.

a particular protein called Multiple myeloma oncogene 1 (MUM1), could potentially be used as a prognostic marker to differentiate between Follicular Lymphoma (a low grade B-cell Non-Hodgkin cancer that is commonly seen in the elderly) to the more aggressive form that this cancer could be transformed to.

Associate Professor Aung Tin from Singapore Eye Research Institute (SERI) is investigating the genetic basis of Age Related Macular Degeneration (ARMD) in a Chinese population. ARMD is the leading cause of acute vision impairment among the elderly in many developed countries. In Singapore, this chronic disease is fast becoming the leading problem. Through his research in this area, Associate Professor Aung Tin hopes to provide evidence of

males born with peroxisomal disorders in Singapore's local population. In particular the X-linked adrenoleukodystrophy (X-ALD) that affects male children is 1:15,000 to 1:20,000. This disorder results from a failure to metabolise fatty acids properly and one of its consequences leads to the deterioration of the myelin sheaths of neurons. The common characteristics in the child with this disorder would be progressive behavioral, cognitive and neurological deterioration that often develops to total disability within 3 years. An attempt to find an effective treatment was the subject of the 1992 film *Lorenzo's Oil*. Dr Tan hopes to set-up a lab test for this disease by measuring the Very Long Chain Fatty Acids (VLCFA) in plasma as a clinical service in the future. This service is currently only available overseas.

we **E**ducate to
empower our
people to deliver
optimal care



Education

The strength of our healthcare system is dependent on the knowledge of its nurses, doctors and staff. A strong investment in our people is essential in ensuring a team of talented and dedicated professionals can meet the increasing healthcare demands.

SingHealth Foundation co-funds the Health Manpower Development Programme (HMDP) with the Ministry of Health. 120 awardees benefited from HMDP in FY2007. Recipients received the opportunity of acquiring new skills and knowledge from some of the best training centres overseas and shared all they have learnt and experienced with their colleagues in the cluster.

were able to continue their projects in Singapore while still maintaining their links with their overseas mentors.

As part of the continuing education efforts and in preparation for nurses to assume clinical leadership roles, SingHealth's Training and Upgrading of Nursing Personnel Programme nominates staff with potential to undergo courses in basic degree, master and doctorate degree programmes. Nursing conferences, learning trips and educational tours under this programme further enriched and enhanced the development and career advancement of the nursing professionals preparing them for leadership and managerial roles.

The Foundation sees education as a lifelong commitment.

In 2007, the Talent Development Fund which was set up to build executive, strategic and professional capabilities, granted sponsorships and scholarships to more than 180 administrative and healthcare professionals including researchers to support their learning and research initiatives. One of these grants was the Mentorship Programme Grant where researchers who returned from studying abroad

SGH Training for Junior Doctors and Nursing Staff in Tashkent, Uzbekistan provided a rare experience for the medical team. Not only was Tashkent the remotest area they had ventured to, the SGH team treated cases less commonly seen in Singapore such as torticollis, foot macrodactyly and bilateral cleft lips. This project provided invaluable training opportunities for the junior doctors and nurses as they had to work in less than ideal conditions overseas.

Highlights

ARTS FOR HEALTH

ArtsFest@SGH'07, a series of arts and musical events under the Arts for Health programme, benefited over 18,000 patients, visitors and staff. The one-week event attracted over 5,000 participants making it a tremendous success.

Singapore General Hospital (SGH) is the first hospital to receive two consecutive Supporter of the Arts Award from the National Arts Council.



“ALL FOR CURE, CURE FOR ALL” CORPORATE GAMES 2007



“Sports and community involvement connect and engage people. SingHealth Foundation initiative is innovative and promotes active corporate citizenry.”

The inaugural “All for CURE, CURE for All” Corporate Games, a signature event of SingHealth Foundation, was held on 16 September 2007 at the School of Physical Education at Bukit Timah.

“Sports and community involvement connect and engage people. This SingHealth Foundation initiative is innovative and promotes active corporate citizenry while making a worthwhile contribution to improving the future of healthcare.”

Highlights

It is encouraging to see such enthusiastic support from the corporate community," remarked Mrs Yu-Foo Yee Shoon, Minister of State for Community Development, Youth and Sports, who was the Guest-of-Honour at the event.

The event saw more than 250 sportsmen and women competing in a variety of sports: Soccer, Volleyball, Basketball, Netball, Badminton and Tennis. Supported by the Singapore Sports Council, the event attracted participation of corporations from marine, engineering, pharmaceutical, medical devices, legal, FMCG, finance, electronics and manufacturing industries, as part of their effort to promote workplace health and sports programmes. Over \$300,000 was raised through outright donations and sponsorships in support of medical research and critical healthcare programmes.



SAVE MONEY SAVE LIVES 2007

The two-month long fund-raising campaign was launched by Mr Heng Chee How, the former Minister of State for Health on 4 May 2007 at Raffles Place.

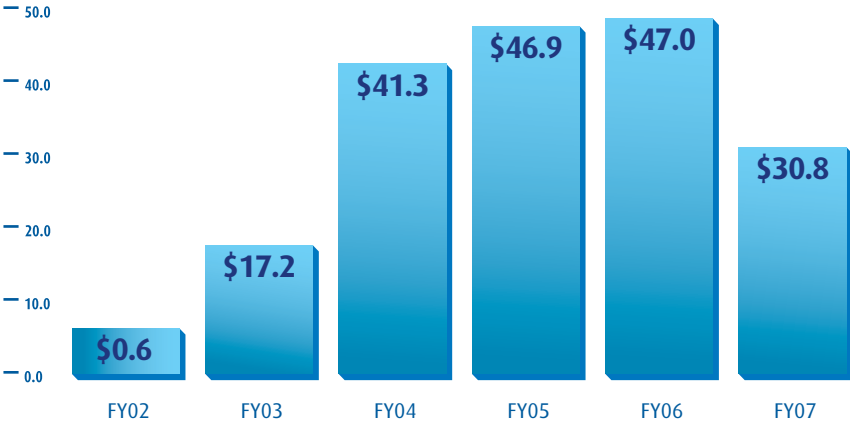
About \$187,000 was raised for medical research in the fields of cancer, childhood disorders, eye diseases, and neurosciences and stem cell research, through outright donations and the sale of discount voucher booklets. Over 12,000 SingHealth staff rallied with corporate partners and 34 retailers in the sale of discount voucher booklets priced at \$6 each. These booklets offered discounts at participating dining, lifestyle and retail outlets.

For the second consecutive year, major partner Keppel Offshore & Marine Ltd donated \$50,000 and volunteered their employees to participate in selling the voucher booklets to help raise funds for the cause.



Financial Highlights

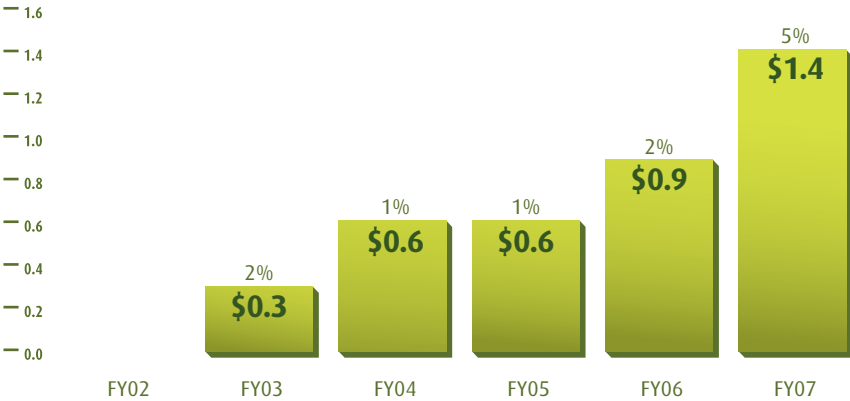
INCOME TREND (millions)



In Fiscal year 2007, SingHealth Foundation received a total income of \$30.8 million.

EXPENDITURE TREND (millions)

% = percentage of total income

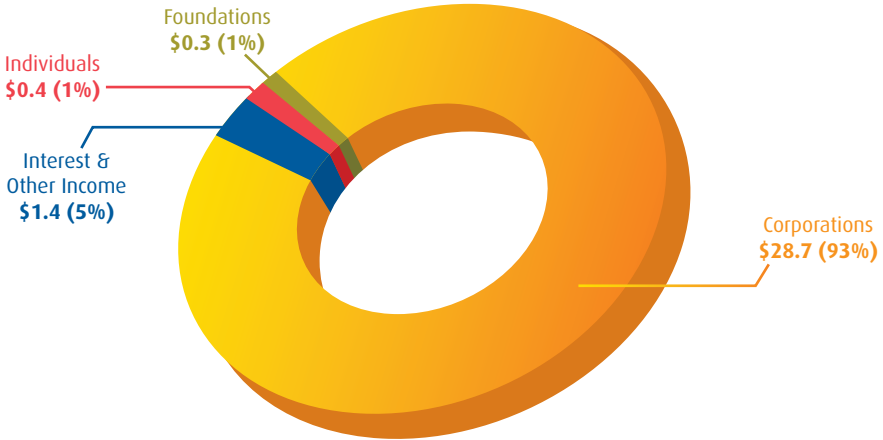


In Fiscal Year 2007, the ratio of Operating Expenditure to Total Income is 5%. While still well within the acceptable range for nonprofit organisations, expenses as a percentage of revenue increased reflecting additional costs related to governance, auditing, and fund management.

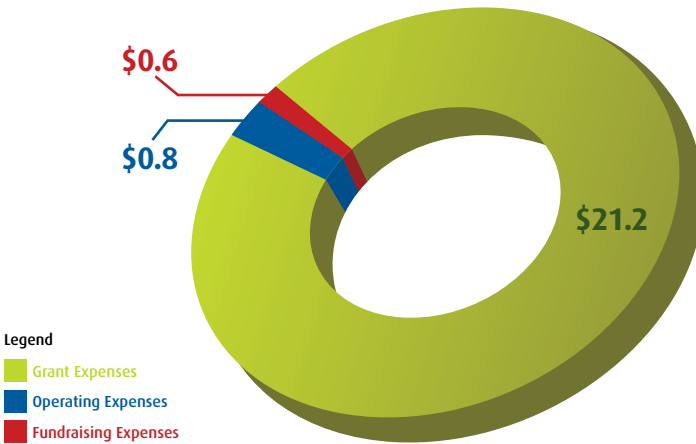
SingHealth Foundation expenditure represents administrative, fund raising and governance expenses. **Donations from Singapore Health Services Pte Ltd have been sufficient to cover administrative and operating costs incurred by the Foundation.**

Financial Highlights

FY2007 INCOME SOURCE (millions)



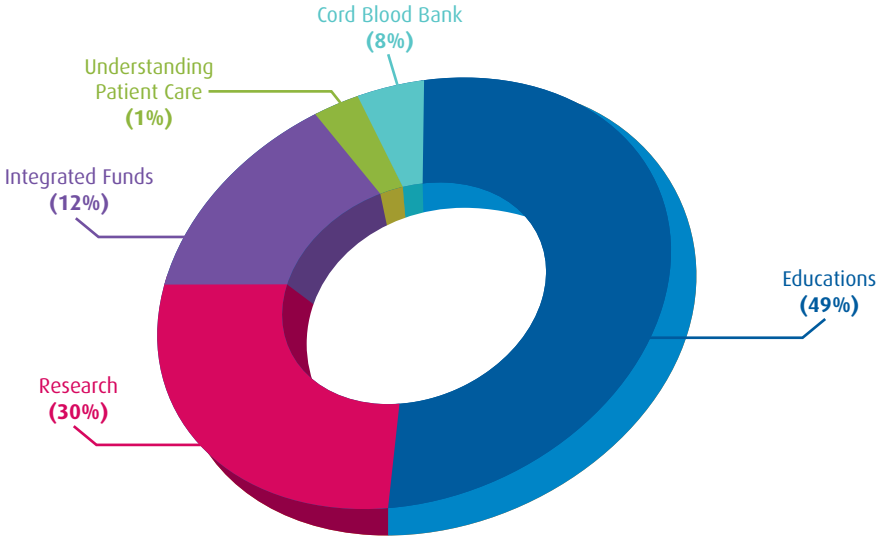
FY2007 USES OF FUND (millions)



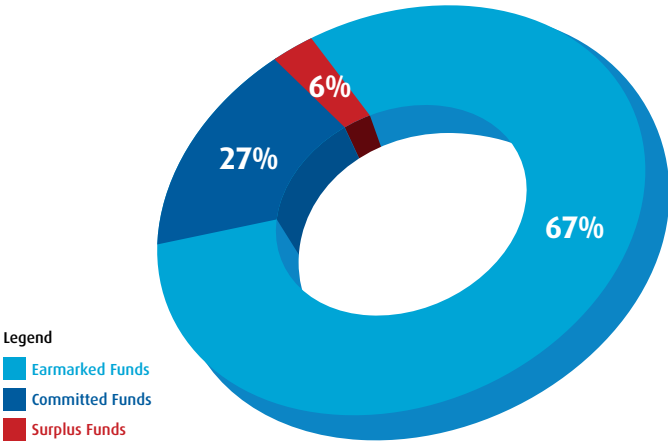
In fiscal year 2007, 94% of the total expenditure was channelled to grant giving.

Financial Highlights

FY2007 FUNDING ALLOCATION (\$33.5million)



FY2007 Accumulated Funds (\$125.3million)



Legend

- Earmarked Funds
- Committed Funds
- Surplus Funds

1. Surplus Funds are used for operating and future grant commitments.
2. As of Fiscal Year 2007, Surplus Funds/Operating Expenditure ratio is 5.5.
3. As of Fiscal Year 2007, Operating Expenditure/ Funds ratio is 1%.
4. Committed Funds are multi-year commitments which have been approved for disbursement for FY08-FY10.
5. Earmarked Funds are designated by donors for specific causes.
6. Funds overall increased during the year (\$125.3m in FY07 vs \$117.1m in FY06) as a result of increased earmarked and committed funds. Earmarked and Committed Funds represent 94% of total funds for the year.

Independent Auditors' Report

Year ended 31 March 2008

We have audited the Statements of Account of SingHealth Foundation (the Foundation), which comprise the statement of affairs as at 31 March 2008, the statement of financial activities and cash flow statement for the year then ended, and a summary of significant accounting policies and other explanatory notes, as set out on pages P19 to P32.

Management's responsibility for the Statements of Account

The Foundation's management is responsible for the preparation and fair presentation of these Statements of Account in accordance with the provisions of the Charities Act, Chapter 37 (the Acts) and Singapore Financial Reporting Standards. This responsibility includes: designing, implementing and maintaining internal control relevant to the preparation and fair presentation of Statements of Account that are free from material misstatement, whether due to fraud or error; selecting and applying appropriate accounting policies; and making accounting estimates that are reasonable in the circumstances.

Auditors' responsibility

Our responsibility is to express an opinion on these Statements of Account based on our audit. We conducted our audit in accordance with Singapore Standards on Auditing. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance whether the Statements of Account are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the Statements of Account. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the Statements of Account, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the Statements of Account in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by the management, as well as evaluating the overall presentation of the Statements of Account.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Independent Auditors' Report

Year ended 31 March 2008

Opinion

In our opinion:

- (a) the Statements of Account are properly drawn up in accordance with the provisions of the Act and Singapore Financial Reporting Standards to present fairly, in all material respects, the state of affairs of the Foundation as at 31 March 2008 and the results and cash flows of the Foundation for the year ended on that date; and
- (b) the accounting and other records required by the Act to be kept by the Foundation have been properly kept in accordance with the provisions of the Act.

Report on other legal and regulatory requirements

During the course of our audit, nothing has come to our attention to cause us to believe that:

- (a) the Foundation did not comply with Regulation 15 of the Charities (Institutions of a Public Character) Regulations 2007; and
- (b) the donation moneys have not been used in accordance with the objectives of the Foundation as an institution of a public character.



KPMG

*Public Accountants and
Certified Public Accountants*

Singapore

11 September 2008

Statement Of Affairs

As at 31 March 2008

	Note	2008 \$	2007 \$
Non-current asset			
Property, plant and equipment	3	4,179	7,838
Current assets			
Other receivables	4	8,986,108	7,114,575
Donations receivable	5	53,835,934	55,687,461
Cash and cash equivalents	6	64,309,508	55,693,908
		<u>127,131,550</u>	<u>118,495,944</u>
Total assets		<u>127,135,729</u>	<u>118,503,782</u>
Accumulated fund			
	8	125,276,445	117,154,758
Current liabilities			
Trade and other payables	7	1,859,284	1,349,024
Total liabilities		<u>1,859,284</u>	<u>1,349,024</u>
Total fund and liabilities		<u>127,135,729</u>	<u>118,503,782</u>

The Statements of Account were approved by:



Prof Tan Ser Kiat
Chairman



Sia Kheng Hong
Honorary Treasurer

11 September 2008

The accompanying notes form an integral part of these statements of account.

Statement Of Financial Activities

Year ended 31 March 2008

	Note	2008			2007
		Unrestricted Fund	Restricted Fund	Total Funds	Total Funds
		\$	\$	\$	\$
Incoming Resources:					
<i>Incoming resources from generated funds</i>					
Voluntary income					
Donations	9	8,338,667	21,038,205	29,376,872	45,647,494
Sponsorships	10	56,584	-	56,584	5,642
Activities for generating funds		1,636	-	1,636	-
Interest income		1,077,433	296,677	1,374,110	1,399,563
Total Incoming Resources		9,474,320	21,334,882	30,809,202	47,052,699
Resources expended					
<i>Cost of generating funds</i>					
Cost of generating voluntary income					
		23,346	-	23,346	-
Fund raising expenses		595,437	126	595,563	361,770
		618,783	126	618,909	361,770
<i>Charitable activities</i>					
Charitable activities expenses					
	11	4,133,566	17,343,382	21,476,948	18,442,437
Other operating and administrative expenses					
		591,405	253	591,658	400,046
Total Resources Expended		5,343,754	17,343,761	22,687,515	19,204,253
Net incoming resources for the year	12	4,130,566	3,991,121	8,121,687	27,848,446
Reconciliation of funds					
Total funds brought forward		17,702,738	99,452,020	117,154,758	89,306,312
Total funds carried forward		21,833,304	103,443,141	125,276,445	117,154,758

A separate statement of changes in funds has not been prepared as the net incoming resources for the year would be the only component of this statement.

The accompanying notes form an integral part of these statements of account.

Cash Flow Statement

Year ended 31 March 2008

	Note	2008 \$	2007 \$
Operating activities			
Net incoming resources for the year		8,121,687	27,848,446
Adjustments for:			
Interest income		(1,374,110)	(1,399,563)
Depreciation of property, plant and equipment		4,998	5,901
		<u>6,752,575</u>	<u>26,454,784</u>
Changes in working capital:			
Donations receivable		1,851,527	2,229,100
Other receivables		(1,715,030)	(6,499,739)
Trade and other payables		510,260	(2,470,706)
Cash flows from operating activities		<u>7,399,332</u>	<u>19,713,439</u>
Investing activities			
Interest received		1,217,607	1,268,450
Purchase of property, plant and equipment		(1,339)	(4,706)
Cash flows from investing activities		<u>1,216,268</u>	<u>1,263,744</u>
Net increase in cash and cash equivalents		8,615,600	20,977,183
Cash and cash equivalents at beginning of the year		55,693,908	34,716,725
Cash and cash equivalents at end of the year	6	<u>64,309,508</u>	<u>55,693,908</u>

Notes To The Statements Of Account

These notes form an integral part of the Statements of Account.

The Statements of Account were authorised for issue by the Board of Trustees on 11 September 2008.

1 Domicile and activities

The SingHealth Foundation (the Foundation) was established on 25 June 2002 to receive donations for and provide grants to health related programmes and services including medical, nursing, administration and health-care related education and training; biomedical research and development; programmes to improve patient-care services; and other healthcare related programmes and services.

The Foundation is a registered member of the Ministry of Health's Health Endowment Fund ("MOH HEF"). The Foundation has also been granted Institution of a Public Character ("IPC") status since 25 June 2002. The current tax exempt status expires on 24 June 2008.

The Foundation is registered as a Charity under the Charities Act, Chapter 37 since its establishment.

2 Summary of significant accounting policies

2.1 Basis of preparation

The Statements of Account have been prepared in accordance with Singapore Financial Reporting Standards (FRS).

The Statements of Account have been prepared on the historical cost basis except for certain financial assets and liabilities which are measured at fair value.

The Statements of Account are presented in Singapore dollars which is the Foundation's functional currency. All financial information is presented in Singapore dollars unless otherwise stated.

The preparation of Statements of Account in conformity with FRS requires management to make judgements, estimates and assumptions that affect the application of accounting policies and the reported amounts of assets, liabilities, income and expenses. Actual results may differ from these estimates.

Estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognised in the period in which the estimates are revised and in any future periods affected.

The accounting policies set out below have been applied consistently to all periods presented in these Statements of Account.

2.2 Funds structure

General fund

The general fund is available for use at the discretion of the Trustees in furtherance of the Foundation's objectives.

Designated fund

The designated fund is available for use at the discretion of the Trustees within projects in furtherance of the Foundation's objectives that the Trustees have identified.

Restricted fund

The restricted fund is available for use at the discretion of the Trustees within projects in furtherance of the Foundations' objectives that have been identified by donors of the funds or communicated to donors when sourcing for the funds.

2.3 Foreign currencies

Transactions in foreign currencies are translated to the functional currency of the Foundation at the exchange rate at the date of the transaction. Monetary assets and liabilities denominated in foreign currencies at the reporting date are retranslated to the functional currency at the exchange rate at the reporting date. Non-monetary assets and liabilities denominated in foreign currencies that are measured at fair value are retranslated to the functional currency at the exchange rate at the date on which the fair value was determined.

Foreign currency differences arising on retranslation are recognised in the statement of financial activities.

2.4 Property, plant and equipment

Property, plant and equipment are stated at cost less accumulated depreciation and impairment losses.

Low value assets costing less than \$1,000 individually are written off in the period of outlay.

Depreciation is recognised in the statement of financial activities on a straight-line basis over their estimated useful lives (or lease terms if shorter) of each part of an item of property, plant and equipment as follows:

Computer equipment 3 years

Depreciation methods, useful lives and residual values are reviewed, and adjusted as appropriate, at each reporting date.

Notes To The Statements Of Account

These notes form an integral part of the Statements of Account.

2.5 Financial instruments

Non-derivative financial instruments

Non-derivative financial instruments comprise trade and other receivables, cash and cash equivalents, and trade and other payables.

Non-derivative financial instruments are recognised initially at fair value plus, for instruments not at fair value through profit or loss, any directly attributable transaction costs. Subsequent to initial recognition, non-derivative financial instruments are measured at amortised cost using the effective interest method, less any impairment losses.

A financial instrument is recognised if the Foundation becomes a party to the contractual provisions of the instrument. Financial assets are derecognised if the Foundation's contractual rights to the cash flows from the financial assets expire or if the Foundation transfers the financial asset to another party without retaining control or transfers substantially all the risks and rewards of the asset. Regular way purchases and sales of financial assets are accounted for at trade date, i.e., the date that the Foundation commits itself to purchase or sell the asset. Financial liabilities are derecognised if the Foundation's obligations specified in the contract expire or are discharged or cancelled.

Cash and cash equivalents comprise cash balances and bank deposits. Bank overdrafts that are repayable on demand and that form an integral part of the Foundation's cash management are included as a component of cash and cash equivalents for the purpose of the cash flow statement.

Impairment of financial assets

A financial asset is assessed at each reporting date to determine whether there is any objective evidence that it is impaired. A financial asset is considered to be impaired if objective evidence indicates that one or more events have had a negative effect on the estimated future cash flows of that asset.

An impairment loss in respect of a financial asset measured at amortised cost is calculated as the difference between its carrying amount, and the present value of the estimated future cash flows discounted at the original effective interest rate.

Individually significant financial assets are tested for impairment on an individual basis. The remaining financial assets are assessed collectively in groups that share similar credit risk characteristics.

All impairment losses are recognised in the statement of financial activities.

An impairment loss is reversed if the reversal can be related objectively to an event occurring after the impairment loss was recognised. For financial assets measured at amortised cost, the reversal is recognised in statement of financial activities.

2.6 Impairment – non-financial assets

The carrying amounts of the Foundation's non-financial assets are reviewed at each reporting date to determine whether there is any indication of impairment. If any such indication exists, the assets' recoverable amounts are estimated.

An impairment loss is recognised if the carrying amount of an asset or its cash-generating unit exceeds its recoverable amount. A cash-generating unit is the smallest identifiable asset group that generates cash flows that largely are independent from other assets and groups. Impairment losses are recognised in the statement of financial activities.

The recoverable amount of an asset or cash-generating unit is the greater of its value in use and its fair value less costs to sell. In assessing value in use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate that reflects current market assessments of the time value of money and the risks specific to the asset or cash-generating unit.

Impairment losses recognised in prior periods are assessed at each reporting date for any indications that the loss has decreased or no longer exists. An impairment loss is reversed if there has been a change in the estimates used to determine the recoverable amount. An impairment loss is reversed only to the extent that the asset's carrying amount does not exceed the carrying amount that would have been determined, net of depreciation or amortisation, if no impairment loss had been recognised.

2.7 Employee benefits

Defined contribution plans

Obligations for contributions to defined contribution plans are recognised as an expense in the statement of financial activities as incurred.

2.8 Incoming resources

Donation income

Donations are recognised as income when the following three criteria are met:

- (a) Entitlement – normally arises when there is control over the rights or other access to the resource, enabling the Foundation to determine its future application;
- (b) Certainty – when it is virtually certain that the income will be received;
- (c) Measurement – when the monetary value of the income can be measured with sufficient reliability.

Notes To The Statements Of Account

These notes form an integral part of the Statements of Account.

2.8 Incoming resources (cont'd)

Interest income

Interest income from fixed deposits is recognised as it accrues, using the effective interest method.

Interest income is attributed to specific funds where these are specified by the sources of the funds. Where there are no specific agreements with donors or source of funds interest income is attributed to the general fund.

2.9 Outgoing resources

Grant expense

Grant expense is recognised as it is incurred in the accounting period.

Others

All fundraising and operating costs are absorbed under the general fund except for those relating to restricted funds for the Singapore General Hospital Pte Ltd, Changi General Hospital Pte Ltd and National Heart Centre of Singapore Pte Ltd which are allocated to the respective funds.

2.10 Income tax expense

Income tax expense comprises current and deferred tax. Income tax expense is recognised in the statement of financial activities except to the extent that it relates to items recognised directly in equity, in which case it is recognised in equity.

Current tax is the expected tax payable on the taxable income for the year, using tax rates enacted or substantively enacted at the reporting date, and any adjustment to tax payable in respect of previous years.

Deferred tax is recognised using the balance sheet method, providing for temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for taxation purposes. Deferred tax is not recognised for the following temporary differences: the initial recognition of goodwill, the initial recognition of assets or liabilities in a transaction that is not a business combination and that affects neither accounting nor taxable profit, and differences relating to investments in subsidiaries and joint ventures to the extent that it is probable that they will not reverse in the foreseeable future. Deferred tax is measured at the tax rates that are expected to be applied to the temporary differences when they reverse, based on the laws that have been enacted or substantively enacted by the reporting date.

A deferred tax asset is recognised to the extent that it is probable that future taxable profits will be available against which the temporary differences can be utilised. Deferred tax assets are reviewed at each reporting date and are reduced to the extent that it is no longer probable that the related tax benefit will be realised.

3 Property, plant and equipment

	Computer equipment \$
Cost	
At 1 April 2006	16,386
Additions	4,706
At 31 March 2007	21,092
Additions	1,339
At 31 March 2008	<u>22,431</u>
Accumulated depreciation	
At 1 April 2006	7,353
Depreciation charge for the year	5,901
At 31 March 2007	13,254
Depreciation charge for the year	4,998
At 31 March 2008	<u>18,252</u>
Carrying amount	
At 1 April 2006	9,033
At 31 March 2007	7,838
At 31 March 2008	<u>4,179</u>

4 Other receivables

	2008 \$	2007 \$
Grants made in advance	8,691,909	6,975,064
Interest receivable	293,209	136,706
Others	990	2,805
	<u>8,986,108</u>	<u>7,114,575</u>

Grants made in advance is the balance of grants made less the actual grant expenses claimed during the year.

5 Donations receivable

Donations receivable relates to donations pledged by Singapore Health Services Pte Ltd and its subsidiaries.

The donations receivable includes restricted donation fund for talent development of \$13,555,934 (2007: \$16,210,392), general donation of \$1,040,000 (2007: \$2,960,000) and donation restricted for specific Research and Education programmes of \$39,240,000 (2007: \$36,517,069).

Notes To The Statements Of Account

These notes form an integral part of the Statements of Account.

6 Cash and cash equivalents

	2008 \$	2007 \$
Cash at bank	5,784,681	12,678,139
Fixed deposits with financial institutions	58,524,827	43,015,769
	<u>64,309,508</u>	<u>55,693,908</u>

The effective interest rates per annum at the date of the statement of affairs are as follows:

	2008 %	2007 %
Fixed deposits	2.07	3.27

Interest rates reprice at intervals of one to three months.

7 Trade and other payables

	2008 \$	2007 \$
Trade payables	6,464	23,144
Accrued operating expenses	332,459	240,819
Grant payables	1,520,361	1,085,061
	<u>1,859,284</u>	<u>1,349,024</u>

8 Accumulated fund

	2008 \$	2007 \$
Accumulated fund:		
Restricted	103,443,141	99,452,020
Unrestricted	21,833,304	17,702,738
	<u>125,276,445</u>	<u>117,154,758</u>

Restricted funds are funds that are required to be used for particular purposes within the Foundation's objectives. Unrestricted funds are expendable at the full discretion of the Trustees in furtherance of the Foundation's objectives. It also applies to any surplus funds that can be retained for general use. Unrestricted funds include funds designated for specific uses by the Trustees amounting to \$7,724,335 (2007: \$4,338,299).

9 Donation income

	2008 \$	2007 \$
Tax deductible donations	29,058,261	45,105,038
Other donations	318,611	542,456
	<u>29,376,872</u>	<u>45,647,494</u>

The tax deductible donations include donation income recognised but not yet received for the year. These donations are tax deductible in nature.

10 Annual donations and fund raising expenses

	2008 \$	2007 \$
Donations in cash from individuals	437,041	425,266
Donations received/receivable from corporations, institutions and foundations	28,939,831	45,222,228
Sponsorships	56,584	5,642
Activities for generating funds	1,636	-
Total donations	29,435,092	45,653,136
Direct fund raising expenses	124,852	46,886
Sponsorships	56,584	5,642
Indirect costs	414,127	309,242
Total fund raising expenditure	595,563	361,770
Fund raising efficiency ratio:		
- before sponsorships	2%	1%
- with sponsorships	2%	1%

Sponsorship income and fund raising expenses

As part of the Foundation's fund raising activities, the Foundation receives donated items from the public. Such sponsorship income is recognised in the statement of financial activities based on the fair value of the donated items received. A corresponding amount is also recognised as a fund raising expenditure.

11 Charitable activities expenses

	2008 \$	2007 \$
Grant expense	21,248,088	18,289,182
Manpower costs	198,754	136,842
Other expenses	30,106	16,413
	21,476,948	18,442,437

12 Net incoming resources

The following items have been included in arriving at net incoming resources:

	2008 \$	2007 \$
Operating lease expense	115,620	51,652
Manpower costs	843,397	618,494
Contributions to defined contribution plans included in manpower costs	84,987	39,076
Depreciation of property, plant and equipment	4,998	5,901

Notes To The Statements Of Account

These notes form an integral part of the Statements of Account.

13 Remuneration of personnel

The number of personnel whose remuneration exceeded \$50,000 during the year were as follows:

	2008	2007
Number of personnel in bands:		
\$50,001 to \$100,000	6	4
\$100,001 to \$150,000	2	1

14 Income tax expense

As at 31 March 2007, the Foundation has not complied with the conditions of Section 13(M) (2)(b) of the Income Tax Act, Chapter 134, for year of assessment 2007. The total shortfall of expenditure amounted to \$48,907,538. No tax charge has been recognised as the Board of Trustees is of the opinion that the Comptroller will allow for an extension of the application period.

There is no tax charge for the current year as the Foundation is a registered charity with income tax exemption with effect from year of assessment 2008.

15 Financial risk management

Overview

Risk management is integral to the whole operation of the Foundation. The Foundation has a system of controls in place to create an acceptable balance between the cost of risks occurring and the cost of managing the risks. The Board of Trustees continually monitors the Foundation's risk management process to ensure that an appropriate balance between risk and control is achieved.

Credit risk

At the date of the statement of affairs, the Foundation's credit risk is concentrated in donations receivable from Singapore Health Services Pte Ltd but no significant credit risk exposure is expected to arise. Cash is placed with banks which are regulated. The maximum exposure to credit risk is represented by the carrying amount of each financial asset in the statement of affairs.

Liquidity risk

The Board of Trustees monitors the liquidity risk and maintains a level of cash and cash equivalents deemed adequate by the Board of Trustees to finance the Foundation's operations and to mitigate the effects of fluctuations in cash flows.

Interest rate risk

The Foundation's exposure to market risk for changes in interest rates relates primarily to fixed deposits with financial institutions. The Foundation manages its interest rate risk by placing such balances on varying maturities and interest rate terms.

15 Financial risk management (cont'd)

Foreign currency risk

The financial assets and financial liabilities of the Foundation are primarily denominated in Singapore dollars. The Foundation has no significant exposure to foreign currency risk.

Fair values

The carrying amounts of financial assets and liabilities with a maturity of less than one year (including donations receivable, cash and cash equivalents, and trade and other payables) are assumed to approximate their fair values because of the short period to maturity.

16 Commitments

The Foundation extends multi-year funding commitments relating to grant awards for 2008-2011. Such commitments contracted but not provided for amount to \$33,278,186 (2007: \$32,320,354).

17 Key management personnel compensation

Key management personnel of the Foundation are those persons having the authority and responsibility for planning, directing and controlling the activities of the Foundation. The Board of Trustees is considered as key management personnel of the Foundation. The Board of Trustees did not receive any form of remuneration during the financial year.

18 Related parties

For the purposes of these Statements of Account, parties are considered to be related to the Foundation if the Foundation has the ability, directly or indirectly, to control the party or exercise significant influence over the party in making financial and operating decisions, or vice versa, or where the Foundation and the party are subject to common control or common significant influence. Related parties may be individuals or other entities.

The Foundation considers Singapore Health Services Pte Ltd and its subsidiaries as related parties.

Other than disclosed elsewhere in the Statements of Account, the transactions with related parties are as follows:

	2008	2007
	\$	\$
Donation income received/receivable	(27,533,650)	(41,576,539)
Grant expense paid/payable	21,248,088	18,289,182
Purchase of manpower services	646,397	433,994
Purchase of other services	5,367	19,134
Rental and maintenance expenses	111,927	51,652

Notes To The Statements Of Account

These notes form an integral part of the Statements of Account.

19 New accounting standards and interpretations not yet adopted

The Foundation has not applied the following accounting standards (including its consequential amendments) and interpretations that have been issued as of the date of the statement of affairs but are not yet effective:

- FRS 1 (revised 2008) *Presentation of Financial Statements*
- FRS 23 *Borrowing Costs*
- FRS 107 *Financial Instruments: Disclosures and the Amendment to FRS 1 Presentation of Financial Statements: Capital Disclosures*
- FRS 108 *Operating Segments*
- INT FRS 112 *Service Concession Arrangements*
- INT FRS 113 *Customer Loyalty Programmes*
- INT FRS 114 *The Limit on a Defined Benefit Asset, Minimum Funding Requirements and their Interaction*

The initial application of these standards (and its consequential amendments) and interpretations is not expected to have any material impact on the Foundation's Statements of Account. The Foundation has not considered the impact of accounting standards issued after the date of the statement of affairs.

List Of Projects Approved For Funding In FY2007

Cord Blood Bank (\$2.6m)

Singapore Cord Blood Bank (SCBB), Singapore's first public Cord Blood Bank became the first in the region, and the third International Public Cord Bank outside the USA to join the National Marrow Donor Programme. This connects SCBB to a worldwide family of transplant networks of more than 450 transplant centres, bone marrow donor centres, cord blood banks and repositories facilitating the search for both local and international patients requiring a stem cell transplant.

Project Description

- Singapore Cord Blood Bank

Understanding Patient Care (\$0.4m)

The Foundation seeks to identify and fill the healthcare service gaps by supporting programmes that meet the needs of our patients.

Project Description

- Arts for Health
- Tooth Fairy Fund
- Liver Transplantation Medical Equipment
- Stroke Research and Rehabilitation Projects
- Financial Assistance Programme for Needy Patients with non-leukemic and non-lymphomic blood disorders
- SingHealth Foundation Patients Assistance Fund

Research (\$10.1m)

There are fundamental discoveries yet to be translated into potential healthcare applications. The Foundation is committed to funding efforts by our researchers to catalyse the bench-to-bedside progression of such discoveries.

Project Description

Cancer

- Pilot study using F-18 Fluoromisonidazole PET/CT Imaging to access tumor hypoxia in patients with advanced nasopharyngeal cancer
- Genetic alterations in follicular lymphoma with MUM-1 expression
- Targeting brain tumor stem cells with a selective cyclooxygenase-2 inhibitor, Celecoxib
- Synthesis and Evaluation of Re-188-DTPA-Ornithine as a radiopharmaceutical (SIRT) for Selective Internal Radiation Therapy of non-resectable liver cancer

List Of Projects Approved For Funding In FY2007

Project Description

Project Description

Project Description

Cancer (cont'd)

- Evaluation of the tumor suppressor role of Ras-related Estrogen-regulated Growth Inhibitor in breast cancer
- Rapid Pleurodesis Protocol for the Management of Pleural Effusions
- Prospective Randomised Trial comparing Drug Eluting Stent (DES) versus Percutaneous Transluminal Angioplasty (PTA) for the treatment of Hemodialysis Arterio-Venous Graft (AVG) stenoses
- Autologous cytokine induced killer cells as adjuvant adoptive immunotherapy in patients with chronic myeloid leukemia on standard drug therapy

Childhood Diseases

- Spectrum of peroxisomal disorders in Singapore

Eye Diseases

- Design and Evaluation of Glyco-Modified Fluorescent Polydiacetylenes Polymers with Pathogen Sensing and Biocidal Functions for Eye Infections
- Ubiquitylation in the human ocular surface: role in pterygium and modulation of the ligand-stimulated NF- κ B pathway
- Novel Retinal Vascular Imaging for Prediction of Stroke Sub-type and Long-term Outcomes after an Acute Ischemic Stroke Event
- Investigating the genetic basis of age related macular degeneration (ARMD) in a Chinese population
- Generation of a Mouse Model for Recessive Congenital Hereditary Endothelial Dystrophy (CHED2) and Fuchs Endothelial Corneal Dystrophy (FECD)

Neurosciences

- AMPA receptor trafficking and hippocampal plasticity regulated by p38 MAPK for stress and memory
- Characterization of the extra- and intra-hippocampal connections of remaining mossy fibers in sclerotic CA3 area in the mouse model of human mesial temporal lobe epilepsy
- Replacement of Allegra MR Imager with Tim Trio MR Imager at the Cognitive Neuroscience Laboratory

Project Description

Others

- The interaction of enamel matrix derivative (EMD) and connective tissue growth factor (CTGF) in the human oral epithelial development
- Development of the cynomolgus macaque and tree shrew as animal models of chronic hepatitis B infection and aflatoxin B1 exposure
- An Investigation into the Language and Cognitive Phenotype of Chinese Singaporean Preschoolers with Nonsyndromic Cleft Lip and/or Palate
- Three Antibiotics in Combination against Extreme Drug Resistant *Acinetobacter baumannii*, *Pseudomonas aeruginosa* and *Klebsiella* sp. in a In-vitro Pharmacodynamic Model
- Novel antibiotic delivery vehicle for treating orthopaedic infection
- Renal perfusion in severe oligoanuric acute kidney injury (AKI) in critically ill patients – Noninvasive measurement of renal arterial and venous blood flow velocities, rate and resistivities using colour doppler ultrasonography
- Modular Metallic Endoprosthesis for Mandibular Reconstruction Project at National Dental Centre
- SHS Intellectual Properties (SHIP) Operations
- SHIP Proof of Concept
- IRB Operations (Clinical Trials Compliance Unit)
- Evaluating the magnitude of and factors associated with inappropriate patient stay in an acute care hospital
- Health-related quality of life (QOL) of different healthcare professional groups within SGH and its association with their employee engagement levels
- Evaluating recontamination of the hospital environment by methicillin-resistant staphylococcus aureus (MRSA) after decontamination with adjunctive titanium dioxide environment coating

List Of Projects Approved For Funding In FY2007

Education (\$16.5m)

People form the backbone of healthcare services and its most crucial asset. Lifelong learning is another key goal of the Foundation as it seeks to broaden the expertise of both current and potential healthcare professionals.

Project Description

- Supplementary Health Manpower Development Programme (HMDP)
- Training & Upgrading of Nursing Personnel
- Allied Health Pre-Service Education Scholarships
- National Programme for the Prevention of Birth Defects (KK Women's and Children's Hospital)
- Setting-up of the Endoscopy Simulation Training Centre at Singapore General Hospital
- Overseas (Developing countries /adverse conditions) Training for junior doctors and nursing staff at Tashkent Uzbekistan
- Talent Development Fund
- Establishment of the SingHealth Student Development Programmes
- CGH-KUAH Combined Scientific Meeting 2007
- "Body Talk" Self-Esteemed Programme for secondary schools
- Quarterly Patient Safety Newsletter
- SingHealth Online Library

Report Highlights of On-going Projects For FY2007

Cord Blood Bank

- The Singapore Cord Blood Bank (SCBB) collected a total of 3,024 cord blood units in FY2007. A cumulative total of 8 transplants were facilitated: 6 local, 1 regional and 1 international. Having been accepted as a member of the National Marrow Donor Programme, the cord blood units that SCBB has on their search system will be listed onto Bone Marrow Donor Worldwide, enhancing SCBB's availability and visibility to transplant centres in Europe and elsewhere in the world.

Understanding Patient Care

● *Arts for Health Programme*

Arts Fest@SGH started with a 3-day programme in 2005 to a week-long event in 2007. The event saw the participation of more than 2500 inpatients, outpatients and staff in various art forms. More than 200 volunteers, including 50% new volunteers were recruited for this event. Over 30 arts activities including new events like lunchtime art talk for staff, screenings of local films were organised. To top it off, Singapore General Hospital received the 'Supporter of the Arts Award' from the National Arts Council two years in a row in October 2007 for their support of the Arts.

● *SGH Homecare Programme*

40 patients were seen in the first half of the year. There were staff changes and re-organisation to improve clinical governance which affected the programme in the second half of the year. In the long run, the improved clinical governance and re-organisation of manpower is expected to improve the programme. Already notwithstanding these interruptions, the programme saw a 25% increase in the first half of the year compared to the average 32 patients seen per half year in FY2006. Overall there was a significant increase in the number of doctor visits and therapist visits.

● *Application of Robotics in Minimally-Invasive Cardiothoracic Surgery Programme, National Heart Centre*

By the end of 2007, 3 cases of mitral valve surgery were completed, five coronary artery bypass surgery and one excision of mediastinal tumour were performed.

● *Liver Transplantation Medical Equipment Programme*

As at January 2008, 10 cadaveric and 3 living donor liver transplants were performed since the first case in February 2006. All the surgeons in the team have been gazetted to do both harvesting and implantation of livers. 10 patients have passed 3 months' post-transplant and they are all well with normal liver function. 7 have also passed 1 year's and they are doing well. All patients have returned to their regular lives. The liver transplant service in Singapore General Hospital has moved on to do living donor transplants. A Memorandum of Understanding has also been established with Kobe, Japan to develop the living donor programme.

Research

● *Project-Based Research Grant*

The programme provides funding support mainly to young investigators and/or clinicians who are at the early phase of their research career in basic and translational research. This programme helps to backfill gaps in national peer-review funding and provide seed money for start-up groups / first-time investigators in the SingHealth cluster. In 2007, 19 out of 70 applications were reviewed and recommended for funding by the SingHealth Research Council.

Report Highlights Of On-going Projects For FY2007

Research

- *Project-Based Research Grant (cont'd)*

One project to highlight is the scientific breakthrough made by the 14-member international research team, led by A/Prof Xiao Zhi Cheng, a 2005 grant recipient from the Singapore General Hospital Clinical Research Department. His team uncovered the reason behind the brain producing harmful plaque deposits that lead to the onset of Alzheimer's disease later in life. The build-up, which dampens vital brain functions, is a by-product of the brain's natural regenerative process. This process is necessary for the brain to grow. Although the plaque, produced at a younger age, does not appear to do any damage, it starts accumulating and disrupts vital brain functions in later years. This work, published recently in a highly reputed journal Nature Cell Biology, may contribute to a better molecular understanding of the neurodegenerative events leading to the development of Alzheimer's disease and may possibly hold the key to the development of new therapeutics to treat this debilitating neurological disease.

Research work by Prof Kanaga Sabapathy, a 2006 grant recipient, was recently published in a high impact journal, Carcinogenesis. His project involves understanding the role of MDM2 and p53 polymorphisms in breast cancer susceptibility, especially with respect to the early-onset of breast cancers that are associated with the Asian population. This was done in collaboration with Fudan University in China. Data suggest that though MDM2 SNP309 G allele is a risk factor for breast cancer, it does not accelerate but delays the onset of the sporadic disease in Chinese women, highlighting that differences in ethnicity and family history may influence the role of MDM2 SNP309 in cancer susceptibility. The data obtained will help shed light on the use of these markers to screen for potentially susceptible patients, and also to provide a screening basis for cancers with a defective p53 pathway, which would lead to appropriate therapies being provided.

- *Investigator Excellence (IE) Award*

The aim of this Award is to recognise and reward research excellence and to provide a source of funds to further the SingHealth investigator's research.

National Neuroscience Institute A/Prof Tan Eng King, a 2005 IE Award recipient carried out a number of clinical and lab research related to Parkinson's disease and movement disorders. The Award has helped his lab to expand on their clinical and genetic database, with close to 1000 DNA samples of patients with movement disorders. Using the gene bank samples, his lab has found that spinocerebellar ataxia Type 3 can present with a clinical phenotype similar to essential tremor. His lab has also shown that subjects with glucocerebrosidase mutations increase the risk of Parkinson's disease. This finding has contributed to his successful application as a national Clinician Scientist Investigator awarded by National Medical Research Council (NMRC) in 2005.

Another 2005 recipient, A/Prof Olivo Malini from National Cancer Centre, had highlighted in her latest findings the importance of optimizing Ce6-PVP (chlorine e6-polyvinylpyrrolidone) formulations as a diagnostic and therapeutic agent for photodynamic therapy to improve photosensitizer accumulation in tumour as well as decreasing treatment toxicity, hence making it attractive for clinical use.

- *Stem Cell Research Group (SCRG)*

The SCRG is an active multidisciplinary group of clinicians and clinician scientists whose goal is to implement stem cell knowledge into realisable patient gains into the form of new therapies and treatments. Additional capabilities have been added to the stem cell research technologies available for SCRG. These are the electron microscopy both TEM/SEM. As an aid to the use of the existing technologies, a technician with expertise in the PALM laser dissection has been trained so that she can direct the use/training of this instrument to other members of the group. SCRG will continue with their approach of shared common resources and involve new investigators in clinical applications and translational research in stem cells.

Education

- *Paediatric Simulation Training Centre*

The Advanced Resuscitation in Children course, in collaboration with the Singapore Paediatric Society has been redeveloped and conducted twice, both with 100% attendance. A significant number of in-house post-graduate training programmes have been translated in the centre. The ICU MO training programme is a good example where a traditional lecture-based course is being translated to a performance-based simulation learning experience, with no lectures. It is hoped that this very successful model can be used as a platform for other disciplines and groups in their educational paradigm. Other courses being developed include the Critical Care Team Training for Nurses and an implementation of the Acute Paediatrics programme specifically targeted to the needs of the Paediatric Surgery Department.

- *SingHealth Nursing Conference 2006/2007 and Community Outreach Programmes*

The conference was successfully held on the 25th – 27th October 2007 with an average of 400 participants each day. Participants included foreign nurses from Malaysia, Thailand, Sri Lanka and New Zealand. The invited speaker was Ms Elizabteh Pestka from the Mayo Clinic, USA and her topic was on the influence of genomics on health and nursing. Feedback on the conference was very positive .

- *CGH-KUAH Combined Scientific Meeting 2007*

KUAH is a prestigious, world-class academic medical centre and the largest teaching hospital affiliated to the Korea University. With the signing of the Memorandum of Understanding between KUAH and Changi General Hospital (CGH), the scientific meeting provided the platform to promote collaboration between the two institutions through education, research and scientific investigations. The scientific meeting, with the theme “Advances of Medicine in Asia”, was held on 15 September 2007 at the CGH premises. 3 foreign (KUAH) and two local speakers gave lectures on various challenging and interesting issues concerning the rapid progress of medicine in Asia. 300 participants including hospital staff and general practitioners attended the meeting and had the opportunity to exchange valued ideas on clinical practices and research.

- *“Body Talk” Self-Esteem Programme*

The Dove Self Esteem Fund (DSEF) was created by Unilever’s Dove to serve as an agent to change and educate girls on a wider definition of beauty. Many young girls tend to develop low self-esteem from being overly conscious of their looks due to the narrow perception of beauty as perpetuated by societal norms. The BodyTalk programme was originally developed by DSEF and the Eating Disorders Association (UK). Dove in Singapore, together with Eka Training Group and the Department of Psychiatry, SGH have developed and localised the BodyTalk programme to suit young Singaporeans. The workshop is designed to help broaden the definitions of beauty and to recognise the dangers of dieting which may result to eating disorders. A total of 65 BodyTalk sessions were conducted at 17 secondary schools in FY2007.

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Family Leisure Pte Ltd
Famous Amos Chocolate Chip Cookie (S) Pte Ltd
Gelare Cafes (Singapore)
Grand Court Vegetarian Restaurant Pte Ltd
I-Spa Pte Ltd
Ju Ju Japanese Hot Pot
Just Noodles Suntec Pte Ltd
K Box KTV Pte Ltd
Malaysia Dairy Industries Pte Ltd
MiaoKou Taiwan Street Food
Mothercare (S) Pte Ltd
NTUC Club
Olio Restaurants and Cafes and Dome Cafes
Optic Point Pte Ltd
Polar Puffs & Cakes Pte Ltd
Popular Book Co Pte Ltd
Prima Food Pte Ltd
Seafood Harvest
Secret Recipe Café Pte Ltd
Sembawang Music Holdings Limited
Sizzler Steak Seafood Salad (S) Pte Ltd
Snow City
Spinelli Coffee Company
Tao's Restaurant
TFS Singapore Pte Ltd
The Good Earth Day Spa
The Rice Table
Tony Roma's Restaurant
Vgo Corporation Limited

We believe
tomorrow's
healthcare can
be better if we
do something
about it today



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IRAS Charity Registration No 01576

MOH Account Registration No HEF0074/G