# CURRICULUM VITAE

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**2. QUALIFICATIONS**

**INSTITUTION QUALIFICATION YEAR**

\* University of the Free State, M.B.Ch.B 1983

Bloemfontein (cum laude)

\* College of Medicine, South Africa DCH 1987

\* College of Medicine, South Africa FCP(pediatrics) 1990

\* University of the Free State, M.MeD(pediatrics) 1991

Bloemfontein (cum laude)

\* South African Medical Services Diploma Aviation 1985

Medicine

\* University of the Free State, Subspeciality: 1993

Bloemfontein PED. ARDIOLOGY

\* KULeuven Fellowship 1995/96

UZ GAsthuisberg, Belgium Ped Cardiology

1. **PROFESSIONAL EXPERIENCE**

# Position Held Employer and Place Duration

Internship Universitas/Pelonomi Dec 1983 –

Hospital, Academic Complex Dec 1984

Medical Officer 1 Military Hospital, Jan 1985 –

Pretoria Dec 1986

Medical Officer Groothoek Hospital, Dec 1986 –

Lebowa Sept 1987

Registrar/Senior Department of Paediatrics Oct 1987 –

registrar and Child Health, Sept 1991

University of the Orange

Free State, Bloemfontein

Specialist Paediatric Cardiology Oct 1991

and Intensive Care,

Department of Paediatrics

Senior Specialist Paediatric Cardiology, Jan 1994

Senior Fellow Paediatric Cardiology, 1/10/1995 –

University Hospital 15/12/1996

KU Leuven, Belgium

Consultant Paediatric Cardiology: Diagnostic & 1/4/2003-

Interventional Interventional 26/12/2003

Cardiologist SAAD Specialist Hospital

Al-Khobar, Saudi Arabia

Senior Specialist Paediatric Cardiology, Jan 1997 -

(Consultant) asthma and intensive care. Aug 2000

Department of Paediatrics

and Child Health, UFS.

Principal Specialist Paediatric Cardiology, Aug 2000 –

Senior Management Service Department of Paediatrics current

(Consultant) and Child Health, UFS

##### Associate Professor Paediatric Cardiology February 2006 –current

Visiting Consultant Paediatric Cardiology, 20 June – 30Sept 2008

KU Leuven, Belgium

Visiting Consultant Paediatric Cardiology, 10 July – 9 Aug 2009

KU Leuven, Belgium

**3. ACADEMICAL, CLINICAL, RESEARCH INTERESTS**

3.1 Paediatric : cardiology

intensive care

croup

asthma

* 1. Student teaching: under and post graduate

3.3 **Medical Research Council:**

Granted bursary for self-inisiated research – “The effect of inhaled steroids in children with mild to moderate asthma.

3.4 **CONTRACT RESEARCH**:

* + 1. Glaxo, SA.

FLTB 3002. Acute asthma study. September 1994 – May 1995.

* + 1. Boëhringer Ingelheim.

ZA046. Berotec study.

June 1995

Other:

* Promotor of several research projects MB.ChB II & III since 2001
  + Safety and efficacy of Pulmonary Balloondilatation in the Free State: 2002
  + Cardiac and Morphological aspects of chromosome 22 deletions: 2003
  + Customer satisfaction in a provincial Paediatric Cardiac Clinic: 2004
  + Results and outcome of Aortic valve angioplasty: 2005
* Self-initiated research projects in Belgium and South Africa (see publications & presentation lists)varying from general Paediatrics, croup, asthma, HIV and Paediatric Cardiology. Responsible for total research output of Department of Paediatric Cardiology since inception.
* Senior Research fellow, Catholic University of Leuven, Belgium 1995-1996; 3 articles published in International Journals.
* Promotor and co-promotor for Masters degrees in School of Nursing:
  + Incidence of cardiac abnormalities in children of the Free State: 2001
* Reviewer for the Cardiovascular Journal of Africa (**CVJ**A)
* Reviewer for **HEART**, Journal of BMJ group, UK
* Received awards for best scientific papers:
  + Allen Hanbury award 1988
  + Faculty Health Forum 1999
  + Association of Paediatric Cardiologists-Netcare award 2003

\* Promotor M. Tech, Central University of Technology 2009/10: J Steyn. The assessement of echocardiographic and tissue Doppler profiles of asymptomatic patients in a general cardiology practise.

* 1. **MEMBERSHIP**

South African Medical and Dental Council no. MP 0270954

College of Medicine, South Africa

South African Heart Association (Cardiology) [SAHA]

Pediatric Cardiology Society of South Africa (PCSSA)

The Association for European Paediatric Cardiology (AEPC): 25/5/2006

Medical Protection Society: no 12/11033

SCAI International Member USA : no 19/05/2009

General Medical Council, UK no 6088824

* 1. **RECENT PUBLICATIONS:**

1. ***S.C. Brown***, K.C. Househam. Visual stool examination – a screening test for infants with prolonged neonatal cholestasis. SAMJ, Vol 77, 7 April 1990, 358 – 359.

2. ***Brown SC***, Eyskens B, Mertens L, Stockx LO, Dumoulin M, Gewillig M

Self expandable stents for relief of venous baffle obstruction after the Mustard operation.

Heart 1998;79:230-233

3. ***Brown SC***, Eyskens B, Mertens L, Dumoulin M, Gewillig M

Percutaneous treatment of stenosed major aortopulmonary collaterals with balloon dilatation and stenting: what can be achieved?

Heart 1998;79:24-28

4. Long-term assessment and serial evaluation of cardiorespiratory exercise performance and cardiac function in patients with atrial switch operation for complete transposition. Reybrouck T, Mertens L, **Brown S**, Eyskens B, Daenen W, Gewillig M. Cardiol Young 2001; 11: 17 -24

5. Balloon Angioplasty of Native Coarctation of the Aorta in local Children: Acute Results and Midterm Angiographic Re-Assessment*.* ***Brown SC***, Bruwer AD. Cardiovasc J SA;2003:14:177-81

6. Percutaneous closure of atrial septal defects: the Bloemfontein experience. ***Brown SC***, Bruwer AD Harrisberg J, Goovendrageloo K. Cardiovasc J SA;2004:15(1):28-32

7. Effectiveness of single detachable COOK coils in closure of the Patent Ductus Arteriosus. *SC Brown*, AD Bruwer, AM Al-Zaghal, A Claassens. Cardiovasc J SA;2004:15(2):57-61

8. 10 year experience of transluminal treatment of severe congenital stenosis – hypoplasia

of branch pulmonary arteries or MAPCA’s. Boshoff D, Mertens L, Budts W, Eyskens B,

Brown S, Gewillig M. Cardiology in the Young;2004:14:30(O24-6)

9. A rare case of Ebstein’s anomaly in a dizygotic twin.. AM Al-Zaghal, SC Brown. J of Saudi Heart Association;2004:16(2):122-124

10. Pulmonary Hypertension due to recurrent juvenile laryngeal papillomatosis. Grobler J, Seedat RY, Brown SC, Claassen AJ. Int J of Ped Otorhinolaringology:2005:69:1279-1282

11. Cardiac findings in children admitted to a general ward in South Africa: a comparison of HIV infected and uninfected children. *Brown SC*, Schoeman CJ, Bester I. Cardiovasc J SA;2005:16(4):207-11

12. Intravenous Amiodarone for Incessant Tachyarrhythmias in Children:

A Randomized Double-Blinded Anti-Arrhythmic Drug Trial. JP Saul, W Scott, **SC Brown** et al. For the Intravenous Amiodarone Pediatric investigators. Circulation.2005;112:3470-3477

13. A guide to the management of familial hiperlipidaemia in childhood. Bruwer AD, **Brown SC**. SA Heart ;2005:22-28.

14. A statement of intent on the formation of the NCRP on Cardiovascular and metabolic Disease: a new initiative to fight heart disease, stroke, diabetes and obesity in South Africa. Mayosi B, Bryer A, Lambert V, Levitt N, Noakes T, Ntshekhe M, Opie L, Rayner B, Zilla P, **Brown S** et al. CVJSA 2007;18(1):4 – 6.

1. Chronic pulmonary arterial hypertension in children. Bruwer AD, **Brown SC**. SA Heart ;2007;4:18-25.
2. Percutaneous closure of ventricular septal defects in childhood. **Brown SC**, Bruwer AD, Smit FE. SA Heart ;2007;4(1):26-31.
3. Guidelines for Paediatric Echocardiography in South Africa. Hoosen EGM, Hugo-Hamman C, Cilliers AM, **Brown SC**, Lawrenson J, Harrisberg J, Dansky R. SA Heart ;2007:48-51.
4. Guidelines for the management of grown of congenital heart disease(GUCH). Cilliers A, Hugo-Hamman C, **Brown S**, Levin S. SA Heart ;2007:52-53.

19. Coronary artery in-stent stenosis persists despite inhibition of the von Willebrand factor--collagen interaction in baboons. [De Meyer SF](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22De%20Meyer%20SF%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlus), [Staelens S](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Staelens%20S%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlus), [Badenhorst PN](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Badenhorst%20PN%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlus), [Pieters H](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Pieters%20H%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlus), [Lamprecht S](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Lamprecht%20S%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlus), [Roodt J](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Roodt%20J%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlus), [Janssens S](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Janssens%20S%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlus), [Meiring M](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Meiring%20M%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlus), [Vanhoorelbeke K](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Vanhoorelbeke%20K%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlus), [Bruwer A](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Bruwer%20A%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlus), [**Brown S**](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Brown%20S%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlus), [Deckmyn H](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Deckmyn%20H%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlus). Thromb Haemost. 2007 Dec;98(6):1343-9

20. Anomalous Origin of the Right Pulmonary Artery from the Ascending Aorta: A Surgical Case Study in an Adult Patient with “Irreversible”Pulmonary Vascular Disease.

Long MA, **Brown SC**, De Vries W. J Card Surg 2009;24:212-215.

1. Use of a microcatheter in a telescopic system to reach difficult targets in complex congenital heart disease. **SC Brown**, D Boshoff, B Eyskens, L Mertens, M Gewillig.

Cath Cardiovasc Interven 2009;73:676-81

22. Hybrid approach as bridge to biventricular repair in an infant with borderline hypoplastic left ventricle. **SC Brown**, D Boshoff, B Eyskens, M Gewillig. Eur J Cardiothorac Sur 2009;35:1080-82.

1. Coronary compression caused by stenting a right pulmonary artery conduit. M Gewillig, **SC Brown**. Cath Cardiovasc Interven 2009;74.144-147.
2. Transapical left ventricular access for difficult to reach interventional targets in the left heart. **Brown SC**\*, Boshoff DE, Rega F, Eyskens B, Budts W,M, Heidbüchel H, Meyns B,MD, Gewillig M,MD. Cath Cardiovasc Interven 2009;74:137-42.

25 Premature fetal closure of the arterial duct clinical presentations and outcome. M Gewillig, **SC Brown**, L De Catte, A Debeer, B Eyskens,V Cossey, Van Schoubroeck, C Van Hole, R Devlieger. Eur heart J 2009;30:1530-36.

26 Perforation of the Aortic sinus after closure of atrial septal defects with the Atriasept occluder. **Brown S**, Gewillig M. Cath Cardiovasc Interven 2009;74:298-301.

1. The burden of cardiovascular disease in sub-Saharan Africa. Hewitson J, **Brown S**, Hugo-Hamman C, Zulhke L, Hoosen E, Harrisberg J. SA Heart ;2009;6:209 (correspondence)
2. Percutaneous management of a Fontan fenestration: in search of the ideal restriction-occlusion device. DE Boshoff, **SC Brown**, J DeGiovanni, O Stumper, J Wright, L Mertens, M Gewillig. Cath Cardiovasc Interven 2010;75:60-65.
3. Dilatable pulmonary artery banding in infants with low birth weight or complex congenital heart disease allows avoidance or postponement of subsequent surgery. **Brown SC**, Boshoff D, Rega F, Eyskens B, Meyns B, Gewillig M. Eur J Cardiothorac Sur 2010;37:296-301.
4. The Fontan circulation: who controls cardiac output? M Gewillig, **SC Brown,** B Eyskens, Heying R, J Ganame, W Budts, A Le Gerche, M Gorenflo. *Interact CardioVasc Thorac Surg* 2010;10:428-433.
5. Volume load paradox while preparing for the Fontan. Not too much for the ventricle, not too little for the lungs. M Gewillig, **SC Brown,** B Eyskens, Heying R, J Ganame, DE Boshoff, W Budts, M Gorenflo. *Interact CardioVasc Thorac Surg* 2010;10:262-265.

## Cardiac Abnormalities and Facial Anthropometric Measurements in children of the Free State and Northern Cape provinces of South Africa with chromosome 22q11.2 microdeletion. SC Brown, BD Henderson, DA Buys, M Theron , MA Long, F Smit. CVJA 2010;21:32-36.

1. The influence of Pulmonary regurgitation on regional right ventricular function in children after repair of tetralogy of Fallot. B Eyskens, **SC Brown**, P Claus, S Dymarkowski, M Gewillig, J Bogaert, L Mertens. Eur J Echocard 2010:11;341-345.
2. Audit of Paediatric cardiac services in South Africa. EGM Hoosen, AM Cilliers, CT Hugo-Hamman, **SC Brown**, JR Harrisberg, F Takawira, K Govendrageloo, J lawrenson, J Hewitson. SAHeart 2010;7:4-9.
3. Optimal paediatric cardiac services in South Africa – what do we need? EGM Hoosen, AM Cilliers, CT Hugo-Hamman, **SC Brown**, JR Harrisberg, F Takawira, K Govendrageloo, J lawrenson, J Hewitson. SAHeart 2010;7:10-16.
4. Ever heard of the obturator vein? **BrownSC,** Gewillig M. [Catheter Cardiovasc Interv.](javascript:AL_get(this,%20'jour',%20'Catheter%20Cardiovasc%20Interv.');) 2010 Feb 15;75(3):416-9
5. Stent expansion of Gore-Tex grafts in children with congental heart lesions. SC Brown, Boshoff DE, Heying R, Gorenflo M, Eyskens B, Meyns B, Gewillig M. Cath Cardiovasc Interven 2010;75:843-48.
6. Sutureless rescue of a severely hypoplastic Pulmonary artery. Brown SC, Boshoff D, Meyns B, Gewillig M. Eur J Cardiothorac Surg. 2010 Mar;37(3):741-3
7. Percutaneous management of a Fontan fenestration: In Search for the ideal restriction-occlusion device. Boshoff DE, Brown SC, Degiovanni J, Stumper O, Wright J, Mertens L, Gewillig M. Cath Cardiovasc Interven 2010;75:60-65.
8. Percutaneous closure of the patent foramen ovale: a cardiological perspective. Brown SC. SAHeart 2010;7:266-73.

**DATE: ………………………….. SIGNED: ………………………………**

**S C Brown**