

**JULY 2007**

## **CURRICULUM VITAE**

### **DR ALLAN AUBREY VAN ZYL**

#### **1. BORN**

- 27 October 1955  
Johannesburg, Republic of South Africa

#### **2. SCHOOL**

- Christian Brothers College - Kimberley 1962 - 1969.
- Ravensborn High School - Chiselhurst, Kent, United Kingdom  
1969 - 1970.
- Kempton Park High School - Kempton Park 1970 - 1973.  
Matriculated as Head Boy with University Exemption.

#### **3. QUALIFICATIONS**

- MBCHB - University of Pretoria 1974 - 1979.
- MMED (Orthop) - University of Orange Free State 1984 - 1989.
- FCS (Orth)SA – Fellow of College of Orthopaedic Surgeons by  
Peer review – 26/08/2002
- IELTS (International English Language Testing System)  
Passed Academic format 23 October 2003  
Candidate No: 001608

#### **4. AWARDS**

- Smith and Nephew travelling fellowship 1987.
- G.T. du Toit Registrars Prize 1987.
- South African Orthopaedic Association Overseas Travel Grant 1993.

- Best clinical paper - Academic Year Day - August 1996, University of The Free State. "The valgus knee - a surgical anatomy of the lateral release".
- Full examiner: The College of Medicine of South Africa FCS (SA) Orthopaedics Part II. Bloemfontein March/May 1997.
- South African Orthopaedic Association Overseas Travel Grant 1997
- Editor of the Bulletin of the South African Orthopaedic Association. January 2001 – present.
- Member of the Editorial Board of the South African Orthopaedic Journal - 2002 – present.
- Member of the Zimmer Europe Advisory Board – 2002 – 2005.
- Best Clinical Arthroplasty paper - 51<sup>st</sup> Annual Congress of the South African Orthopaedic Association. Port Elizabeth, 5 – 9 September 2005.
- Best Clinical Arthroplasty paper - 52<sup>st</sup> Annual Congress of the South African Orthopaedic Association. Durban, 6 – 10 September 2006.
- Full examiner: The College of Medicine of South Africa FC Orth (SA) Orthopaedics Part II. Bloemfontein 16 - 17 October 2006.

## **5. POST GRADUATE POSTS HELD**

- July 1989 - Feb 1990. Joint Replacement Unit, Dept Orthopaedics, National Hospital, University of the Free State, Bloemfontein.
- March 1990 - Oct 1991. Head of Joint Replacement, Dept Orthopaedics, University of the Free State, Bloemfontein.
- November 1991 - Present. Head (Part-time) Joint Replacement Unit, Department Orthopaedics, University of the Free State, Bloemfontein and Private Practice
- November 1991 – present. Private practice at Bloemfontein Mediclinic.

## **6. REGISTRATION AND MEMBERSHIP**

- Registration as a Medical Practitioner - South African Medical and Dental Council. MP 0224405 - 1 January 1981.
- Registration as a Specialist Orthopaedic Surgeon - South African Medical and Dental Council - 28 August 1989.

- Registration as a Medical Practitioner  
General Medical Council (UK). GMC reference no: 6087991  
23/12/2003
- Associate member of the South African Orthopaedic Association.  
1984 - 1989.
- Full member of the South African Orthopaedic Association 1989 to  
present.
- Treasurer of the South African Orthopaedic Association Annual  
Congress.  
Bloemfontein - September 1993.
- Member of the South African Arthroplasty Society. 1993 - present.
- Member of the Executive Committee of the South African Arthroplasty  
Society. 1995 - present.
- Secretary of the South African Orthopaedic Association - Orange Free  
State and North West Cape branch. 1994 - 1996.
- Honorary Secretary of the South African Orthopaedic Association.  
1997 – 2001.
- Co organizer of “Arthroplasty Instructional Course” with Dr D.R. van  
der Jagt.  
44th South African Orthopaedic Association annual meeting –  
Bloemfontein 7-11 September 1998
- Honorary Treasurer of the South African Orthopaedic Association.  
2001 – present.
- President elect – South African Arthroplasty Society.  
2001 – 2002
- President – South African Arthroplasty Society  
2002 - 2005

## **7. SCIENTIFIC PUBLICATIONS**

- Compartment syndrome - A Review.  
A A van Zyl  
South African Trauma Journal, Vol 8:2, March 1991 p.301 - 305.
- “Teater steriliteit” (Theatre sterility)  
A A van Zyl  
South African Theatre Sister Journal, Vol 16:1, March 1991 p.50 - 56.
- “Sepsis in Artroplastie” (Sepsis in Arthroplasty)  
A A van Zyl  
South African Theatre Sister Journal, Vol 17:3, Sept 1992 p.17 - 23.

- Total hip replacement in patients 80 years and older.  
A A van Zyl, R Roloff.  
South African Bone & Joint Surgery, Vol IV:4, Des 1993 p.23
- Femoral Windowing in cemented revision total hip replacements.  
A A van Zyl  
South African Bone and Joint Surgery, Vol IV:4, Des 1993 p.24-25.
- Total Knee Replacement - Why our sepsis rate has decreased dramatically?  
A A van Zyl, PJ Botha  
South African Bone & Joint Surgery, Vol 5 no 3, Aug 1995 p. 19-24.
- Allograft bone impaction grafting - What cement must be used and why?  
P J Botha, R B Snowdowne, A A van Zyl.  
South African Bone & Joint Surgery, Vol 5 no 3, Aug 1995 p. 25-28.
- Delay in performing total joint Arthroplasty.  
A A van Zyl  
South African Orthopaedic Journal, Vol 5 no 3, p. 96.
- Timing of prophylactic antibiotics.  
A A van Zyl  
South African Orthopaedic Journal, Vol 5 no 3, p. 96.

## **8. MANUSCRIPTS SUBMITTED FOR PUBLICATION**

- The effect of plaster cast immobilisation on anterior compartment Pressures in closed tibia and fibula fractures.  
A A van Zyl, JL vd Berg  
Journal of Bone and Joint Surgery (Br)
- Progressive Diaphyseal Dysplasia - Camurati - Engelmann's Disease.  
A A van Zyl  
South African Medical Journal
- Intercostal tube placement in stab wounds - Which drainage route is best?  
A A van Zyl  
South African Medical Journal

## **9. SCIENTIFIC PRESENTATIONS - NATIONAL/INTERNATIONAL**

- Intercostal drainage in chest stab wounds.  
A A van Zyl  
-University of the Orange Free State Academic Year Day  
Aug 1995.

- A prospective study comparing conservative and operative treatment Of anterior crutiate ligament ruptures.  
A A van Zyl, J Kruger  
- Smith and Nephew travelling fellowship - March 1987.
- Is compartment pressure measurement really necessary?  
A A van Zyl, JL vd Berg  
-South African Orthopaedic Association Annual meeting Bloemfontein - September 1988.
- New idea's on compartment syndromes.  
A A van Zyl  
-South African Trauma Society Annual Meeting - Bloemfontein – April 1990.
- Use of spinal anaesthetic in conjunction to total hip replacement.  
A A van Zyl  
-South African Orthopaedic Association - Orange Free State and North Western Cape Branch meeting - Welkom February 1990.
- Use of wedge augmentations in total knee replacements.  
A A van Zyl  
-South African Orthopaedic Association - Orange Free State and North Western Cape Branch meeting - Welkom February 1990.
- Cup anteversion and dislocation in total hip replacement via the Posterior approach.  
A A van Zyl  
-South African Orthopaedic Association - Annual meeting – Johannesburg - September 1991.
- Femoral windowing in cemented revision total hip replacements.  
A A van Zyl  
-South African Arthroplasty Society Annual meeting - Bakubang March 1993.  
  
-South African Orthopaedic Association - Annual meeting – Bloemfontein -September 1993.
- Hirudin - A pilot study of a new anticoagulant in total hip replacement.  
R.B. Snowdowne, A A van Zyl  
-South African Orthopaedic Association - Annual meeting – Bloemfontein -September 1993.
- Trans-patellar approach to anterior crutiate reconstruction.  
O.A. Badenhorst, A A van Zyl, JJ Fourie  
-South African Orthopaedic Association - Annual meeting – Bloemfontein -September 1993.

- Total hip replacement in patients 80 years and older.  
A A van Zyl, R Roloff  
-South African Orthopaedic Association - Annual meeting –  
Bloemfontein -September 1993.
- Knee extension splint to prevent total hip replacement dislocation.  
A A van Zyl  
-South African Arthroplasty Society Annual Meeting  
Wild Coast - March 1994.
- Acetabular augmentation in chronic dislocation of THR.  
A A van Zyl  
-South African Arthroplasty Society Annual Meeting  
Wild Coast - March 1994.
- Trochanteric osteotomy - Why I use posterior approach.  
A A van Zyl  
-South African Arthroplasty Society Annual Meeting  
Wild Coast - March 1994.
- The relevance of Pelvic Orientation in Total Hip Replacement.  
J G B Maclean and A A van Zyl  
-British Hip Society meeting - June 1994.
- An update on bonegrafting.  
A A van Zyl.  
-Lilly Orthopaedic update course – Magaliesberg  
March 1994.
- Computerised data collection in Arthroplasty.  
A A van Zyl  
-South African Arthroplasty Society Annual meeting  
Wild Coast - June 1995.  
  
-South African Orthopaedic Association Annual meeting  
Durban - September 1995.
- Sepsis in total knee replacement - Why has our sepsis rate decreased  
dramatically?  
A A van Zyl, P J Botha  
-South African Arthroplasty Society Annual meeting  
Wild Coast - June 1995.  
  
-South African Orthopaedic Association Annual meeting  
Durban - September 1995.

- Cementalisers - Do they work?  
A A van Zyl, P J Botha  
-South African Arthroplasty Society Annual meeting  
Wild Coast - June 1995.  
  
-South African Orthopaedic Association Annual meeting  
Durban - September 1995.
- Femoral bone impacting grafting - Early results.  
A A van Zyl, P J Botha  
-South African Arthroplasty Society Annual meeting  
Wild Coast - June 1995.  
South African Orthopaedic Association Annual meeting  
Durban - September 1995.
- What cement should be used in allograft bone impaction grafting.  
P J Botha, A A van Zyl, R B Snowdowne  
-South African Arthroplasty Society Annual meeting  
Wild Coast - June 1995.  
  
-South African Orthopaedic Association Annual meeting  
Durban - September 1995.
- False positive cultures in arthroplasty.  
G Wilson, A A van Zyl, P J Botha  
-South African Arthroplasty Society Annual meeting  
Wild Coast - June 1995.  
  
-South African Orthopaedic Association Annual meeting  
Durban - September 1995.
- Pelvic orientation in posterior approach total hip replacement.  
A A van Zyl  
-3rd Scandinavian hip and knee meeting Gothenburg  
Sweden -3 - 4 November 1995.
- Impaction bone grafting in total knee replacements.  
A A van Zyl, P J Botha  
-South African Arthroplasty Society Annual meeting  
Royal Swazi Sun, Swaziland – March 1996.  
  
-South African Orthopaedic Association Annual meeting  
Johannesburg - September 1996.
- “Prosthesis Girdlestone” - a now surgical option.  
A A van Zyl, P J Botha  
-South African Arthroplasty Association Society Annual meeting  
Royal Swazi Sun, Swaziland - March 1996.  
  
-South African Orthopaedic Association Annual meeting  
Johannesburg - September 1996.

- Post patellectomy total knee replacement.  
A A van Zyl, P J Botha  
-South African Arthroplasty Society Annual meeting  
Royal Swazi Sun, Swaziland - March 1996.  
  
-South African Orthopaedic Association Annual meeting  
Johannesburg - September 1996.
- The valgus knee - a surgical anatomy of the lateral release.  
P J Botha, W du Toit, A A van Zyl  
-South African Arthroplasty Society Annual meeting  
Royal Swazi Sun, Swaziland - March 1996  
  
-South African Orthopaedic Association Annual meeting  
Johannesburg - September 1996.  
  
-Academic Year Day - August 1996 - University of the Free  
State - Bloemfontein.
- Cup orientation via the posterior approach.  
A A van Zyl.  
-Oslo Hip Meeting - Oslo, Norway - 3 - 4 May 1996.
- Total knee replacement : The basic principles.  
A A van Zyl  
-Zimmer/Macmed Annual Meeting - Mabatho Sun, Mabatho  
22 May 1996
- Comparison of IB I and IB II total knee replacement in the  
patellectomized knee  
A A van Zyl  
-Combined Pan Arab G.C.C. Orthopaedic Congress  
Dubai, U.A.E. – 26-29 October 1996
- Use of IB II total knee replacement. Instructional course and workshop  
A.A. van Zyl  
-Combined Pan Arab G.C.C. Orthopaedic Congress  
Dubai, U.A.E. - 26 - 29 October 1996.
- Revision total knee replacement - Reasons for early failures of primary  
total knee replacement and results of revised knees  
A A van Zyl, G Nel, C S Crowther  
-Second combined Arthroplasty, Knee and Shoulder meeting  
Sun City -11 - 14 March 1997.  
  
-South African Orthopaedic Association Annual meeting  
Cape Town - September 1997.



- Total knee replacement following high tibial osteotomy  
A A van Zyl, G G S Starker
  - Second combined Arthroplasty, Knee and Shoulder meeting  
Sun City - 11 - 14 March 1997.
  
  - South African Orthopaedic Association Annual meeting  
Cape Town - September 1997.
  
- Prevention of theatre sepsis  
A A van Zyl
  - South African Theatre Sister Congress, Bloemfontein  
7 - 9 May 1997.
  
- The Relevance of Pelvic Orientation in total hip replacement  
A.A. van Zyl
  - 10th Combined Orthopaedic Accociations Meeting  
Auckland, New Zealand - 2-6 February 1998
  
- Effect of high tibial osteotomy on subsequent total knee replacement  
A.A. van Zyl, G.G.S Starker
  - 10th Combined Orthopaedic Associations Meeting  
Auckland, New Zealand - 2-6 February, 1998
  
- Impaction bone grafting in total knee replacements  
A.A. van Zyl, P.J. Botha
  - 10th Combined Orthopaedic Associations Meeting  
Auckland, New Zealand - 2-6 February, 1998
  
- Indications for surgery, Hip Scores and Patient Consent  
A.A. van Zyl
  - 1st Gauteng Practical Hip Course, Johannesburg.  
1 August 1998
  
- The Posterior Approach  
A.A. van Zyl
  - 1st Gauteng Practical Hip Course, Johannesburg.  
1 August 1998
  
- The Cemented Cup  
A.A. van Zyl
  - 1st Gauteng Practical Hip Course, Johannesburg.  
1 August 1998
  
- Approaches used in hip arthroplasty in South Africa  
A.A. van Zyl, S. White
  - 44th South African Orthopaedic Association annual meeting  
Bloemfontein - 7-11 September 1998

- Cement - What is is, how to prepare, results  
A.A. van Zyl  
-Arthroplasty Instructional Course 44th South African Orthopaedic Association annual meeting – Bloemfontein 7-11 September 1998
- Posterior approach to total hip replacement - positioning and tips  
A.A. van Zyl  
-Arthroplasty Instructional Course 44th South African Orthopaedic Association annual meeting – Bloemfontein 7-11 September 1998
- Positioning of the acetabular component  
A.A. van Zyl  
-Arthroplasty Instructional Course 44th South African Orthopaedic Association annual meeting – Bloemfontein 7-11 September 1998
- Total knee replacement positioning and draping  
A.A. van Zyl  
-Arthroplasty Instructional Course 44th South African Orthopaedic Association annual meeting – Bloemfontein 7-11 September 1998
- The Incidence of Total hip replacements in relation to the Demographics of South Africa  
A.A. van Zyl, S. White  
-South African Arthroplasty Society meeting Fancourt, George - 11 - 13 March 1999
- Hip arthroplasty approaches used in South Africa  
A.A. van Zyl, S. White  
-South African Arthroplasty Society meeting Fancourt, George - 11 - 13 March 1999
- “Die Ortopediese hantering van arthritis”  
(The Orthopaedic treatment of arthritis)  
A.A. van Zyl  
-Mediclinic CPD Symposium, Elanga Estates, Bloemfontein 4 - 5 August 2000
- Aseptic Theatre technique  
-Eastern Cape Branch meeting of the South African Orthopaedic Association - 11 August 2000
- Two steps forward, one step back  
Total hip replacements today  
A.A. van Zyl  
-Eastern Cape Branch meeting of the South African Orthopaedic Association - 11 August 2000

- Cement on cement fixation of the femoral component in revision total hip replacement  
A.A. van Zyl, I de Wilde
  - 46<sup>th</sup> South African Orthopaedic Association Annual meeting Durban - 10-15 September 2000
  - South African Arthroplasty Society meeting – Somerset West 19-21 April 2001
- Treatment of distal femoral fractures in Total Knee Replacement.  
A.A. van Zyl, R. Denkema, Dr. van der Jagt.
  - South African Arthroplasty Society meeting – Somerset West 19 – 21 April 2001
- An approach to difficult cases in total knee replacement.  
A.A. van Zyl
  - Knee Arthroplasty : Primary and revision Sorrento, Italy. 18 – 20 May 2001
- Hip and knee replacements – Frequently asked questions.  
A.A. van Zyl
  - Mediclinic CPD Symposium, Bloemfontein 20 April 2002
- Scars and total knee replacement – Do they matter?  
A.A. van Zyl, J.F. van der Merwe, F. Snyman
  - 48<sup>th</sup> Annual Congress of the South African Orthopaedic Association – Bloemfontein 2-7 September 2002
  - 3<sup>rd</sup> Combined meeting (SAAS and SASAKOS) Champagne Sports Resort 9 – 12 April 2003.
- Management of scars around the knee with Total Knee Replacement Surgery.  
A.A. van Zyl
  - Revision hip and knee Arthroplasty Cape Town 17-19 October 2003.
- Wound complications in Total knee Replacements.  
A A van Zyl
  - South African German Orthopaedic Foundation 25 – 27 March 2004.
- The Difficult Total knee Replacement.  
A A van Zyl
  - South African German Orthopaedic Foundation. 25 – 27 March 2004.
- New advances in Hip and Knee Replacements.  
A A van Zyl
  - Free State Physiotherapy Branch Meeting. 10 Junie 2004.

- An Epidemiological study of Total Hip Replacement Surgery in South Africa.  
A.A. van Zyl, J.F. van der Merwe
  - 50<sup>th</sup> South African Orthopaedic Association Annual meeting – Pretoria – 6–10 September 2004.
  - 18<sup>TH</sup> Biannual South African Arthroplasty Society Congress - Drakensberg, 13 – 17 April 2005.
- Back surgery does not relieve hip pain.  
A.A. van Zyl, P Erasmus
  - 50<sup>th</sup> South African Orthopaedic Association Annual meeting – Pretoria - 6-10 September 2004.
- X-ray storage in a Digitized Format.  
A.A. van Zyl, F. Marais.
  - 50<sup>th</sup> South African Orthopaedic Association Annual meeting – Pretoria - 6-10 September 2004.
- Cement properties and usage.  
A.A. van Zyl.
  - Instructional course on Principles of Joint Replacement Surgery - Harare – 29 November 2004.
- Prevention of sepsis in arthroplasty.  
A.A. van Zyl.
  - Instructional course on Principles of Joint Replacement Surgery - Harare - 29 November 2004.
- Balancing of a total knee replacement.  
A.A. van Zyl.
  - Instructional course on Principles of Joint Replacement Surgery - Harare - 29 November 2004.
- How to manage the difficult knee replacement.  
A.A. van Zyl.
  - Instructional course on Principles of Joint Replacement Surgery - Harare - 29 November 2004.
- The use of Tranexamic Acid (Cyclocapron) in hip and knee Arthroplasty.
  - 18<sup>th</sup> Biannual South African Arthroplasty Society Congress - Drakensberg, 13 – 17 April 2005.
  - 51<sup>st</sup> South African Orthopaedic Association Annual meeting. - Port Elizabeth 5 – 9 September 2005.
- Sepsis prophylaxis in Orthopaedic Surgery.  
A.A. van Zyl
  - SAOA Branch meeting - Bloemfontein – 5 November 2005.

- Soft tissue balancing in Total knee replacements.  
A.A. van Zyl
  - Zimmer Master Class  
Centurion – 25 Oktober 2005
  - SAOA Branch Meeting  
Bloemfontein – 5 November 2005
  
- Basic Approach to Hip Pain.  
A.A. van Zyl
  - MediClinic Orthopaedic Forum  
11 February 2006
  
- Hip replacements – New developments and treatment modalities.  
A.A. van Zyl
  - OMTG Freestate branch meeting  
Bloemfontein – 2 – 5 March, 2006.
  
- Unicompartmental knees – a controversial view ?  
A A van Zyl
  - Zimmer Master Class, Melrose Arch  
Johannesburg – 5 April 2006.
  
- Gender issues in total knee replacements.  
A A van Zyl
  - South African Belgian Arthroplasty Society.  
3 – 5 September 2006.
  - SASAKOS - Cape Town  
29 October – 4 November 2006.
  
- How to make Total Knee Arthroplasty easier.  
A A van Zyl
  - 52<sup>nd</sup> South African Orthopaedic Congress  
Durban, 6 – 10 September 2006.
  
- Ligament balancing in Total Knee Arthroplasty.  
A A van Zyl
  - 52<sup>nd</sup> South African Orthopaedic Congress  
Durban, 6 – 10 September 2006.
  
- Use of complete system in Total Knee Arthroplasty.  
A A van Zyl
  - 52<sup>nd</sup> South African Orthopaedic Congress  
Durban, 6 – 10 September 2006.
  
- Total Hip Arthroplasty after acetabular fractures.  
A A van Zyl
  - 52<sup>nd</sup> South African Orthopaedic Congress  
Durban, 6 – 10 September 2006.

- Antibiotic PMMA spacer use in 2 stage revision of septic Total Knee Replacements.  
A A van Zyl, J F van der Merwe
  - 52<sup>nd</sup> South African Orthopaedic Congress  
Durban, 6 – 10 September 2006.
- Patella replacement in Total Knee Replacements.  
A A van Zyl, J F van der Merwe
  - 52<sup>nd</sup> South African Orthopaedic Congress  
Durban, 6 – 10 September 2006.
- Treatment options in the young Arthritic Patient.  
A A van Zyl
  - Total knee Arthroplasty – Past, Present and Future  
Marseilles, France, 27 June 2007.

## 10. POSTER PRESENTATIONS

- Revision total knee replacement  
A.A. van Zyl, G. Nel, C.S. Crowther
  - 10th Combined Orthopaedic Associations Meeting  
Auckland, New Zealand - 2-6 February, 1998
- “Prosthesis Girdlestone” - a non surgical option  
A.A. van Zyl, P.J. Botha
  - 10th Combined Orthopaedic Associations Meeting  
Auckland, New Zealand - 2-6 February, 1998
- Post patellectomy total knee replacement  
A.A. van Zyl, P.J. Botha
  - 10th Combined Orthopaedic Associations Meeting  
Auckland, New Zealand - 2-6 February 1998
- Cetralsisers for the C-stem  
A.A. van Zyl.
  - C-Stem meeting – 13 October 2001.
- A new Technique for the treatment of distal femoral fractures after total knee replacement.  
R. Denkema, A.A. van Zyl, D.R. van der Jagt
  - 46<sup>th</sup> South African Orthopaedic Association Annual meeting  
Durban - 10 – 15 September 2000