

Curriculum Vitae

Atul Joshi

MBBS, LMMSA, MCh (Orth.), FRCS (Ed).

*3506-21st Street, Suite 203
Lubbock, Texas 79410*

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Personal Details

<i>NAME</i>	Atul Balwantrai Joshi
<i>MEDICAL LICENSE</i>	Texas
<i>PRESENT ADDRESS</i>	3506-21 st Street, Suite 203 Lubbock, Texas 79410 Tel: 806-725-4818 Fax: 806-723-7021
<i>EDITORIAL BOARD</i>	Journal of Arthroplasty Postgraduate Journal of Medicine
<i>PRESENT APPOINTMENT</i>	Covenant Medical Group Lubbock, Texas Active Staff, Active Trauma Surgery Covenant Medical Center, Lubbock Lake Side Medical Center, Lubbock Children's Hospital, Lubbock

MEMBERSHIPS OF SOCIETIES

NATIONAL

American Medical Association
American Academy of Orthopedic Surgeons
Texas Medical Association
Texas Orthopedic Association
Southern Orthopedic Association
Lubbock-Garza Medical Association
American Academy of Hip and Knee Surgeons

INTERNATIONAL

The Low Friction Society
The European Orthopedic Research Society
The British Hip Society
The British Orthopedic Research Society
The British Society of Knee Surgery
National Ankylosing Spondylitis Society (British)
British Microsurgical Society
British Orthopedic Association
British Medical Association
General Medical Council, U K
Indian Orthopedic Association
Maharastra Medical Council, India

Education

SECONDARY

Elephestein Technical High School, 1965-1970
Bombay, India.

Attained SSC (GCSC) first class honors in Mathematics, English and Mechanical Engineering.

RE-MEDICAL

Mithibai College, Bombay, India 1970-1972

First class honors in Chemistry and Biology.

MEDICAL

Topiwala National Medical School, 1972-1977
University of Bombay, India.

First class honours in Anatomy, and General Surgery

DEGREES

MB BS	1978
FRCS(Ed)	1983
LMSSA	1984
M.Ch.Orth.	1990

Awards

For - A-O fellowship, Switzerland by A-O International, Bern Switzerland.

For - Visiting Orthopedic Centres in USA by Ormskirk District Postgraduate Medical Education Centre.

For - 9th Annual Resident Conference, Memphis, USA by Smith & Nephew, Richards Limited.

For - The 65th Annual Meeting of the Japanese Orthopaedic Association, Fukuoka, Japan by Japan Orthopaedics and Traumatology Foundation Inc.

Appointments

Bombay, India

January 77 – August 79

ENT, General Surgery, Emergency Medicine

United Kingdom

Casualty and General Surgery

December 79 – January 82

Orthopedics

February 82 – December 83

Adult Reconstructive Surgery

July 89 – October 93

Clinical/Research fellow

Charnley Hip Centre, Wrightington, Hospital UK

USA

Orthopaedic
Research Associate
Baylor Medical College, Houston

November 93 – June 94

Orthopaedic
Resident
Baylor Medical College, Houston

July 94 – June 98

Joint Reconstruction
Fellow
Baylor Medical College, Houston

August 98 – December 98

Orthopaedic
Resident
JPS Health Network, Fort Worth

January 99 – December 99
April 01 – April 02

Orthopaedic
Research Associate
Lubbock, Texas

January 00 – April 01

Research

LABORATORY

(1) The Wear of Ultra-High Molecular Weight Polyethylene in Knee Replacement

This study was to investigate the various factors determining the type and rate of polyethylene wear in total knee replacements. Over 350 retrieved knee implants were collected from UK and Europe.

The study involved the visual assessment of wear, SEM (Scanning Electron Microscopy) of surface and of sections taken perpendicular to the wear track coupled with polarised light microscopy of section for residual deformation and stress caused by the femoral components. Material properties were determined by molecular weight, crystallinity, oxidation and tensile strength of polyethylene. This study was combined with various clinical evidence, including weight, activity level of patient, duration of implantation, stability and reasons for retrieval.

(2) Effect of “Sterilization” on Ultra-High Molecular Weight Polyethylene

This study investigates the effect of various methods of sterilization on material properties of the polyethylene.

(3) Tissue penetration of NSAID after skin application

This study investigates the possibility of tissue penetration NSAID after the applications to the skin.

(4) Degradation of ultra-high molecular weight polyethylene in total joint replacement

This project investigates the changes occurring in the polyethylene after implantation and its effect on wear properties of polyethylene.

CLINICAL

The clinical project during my fellowship at Wrightington was to review in detail the results of total knee arthroplasties. The first 1400 arthroplasties performed up to 1987 were the basis for the project.

The aims were to study (a) The long-term results of knee replacement (b) A comparison of plastic tibial component with metal back tibial component (c) To observe the correlation of pathological diagnosis and its outcome (d) An analysis of the failure (e) Survivorship analysis of the revision surgery.

Grants

Obtained

1. Research project of the wear of the polyethylene in total knee arthroplasty is funded by Department of Health; UK, and carried out in collaboration with Department of Biomedical Engineering, Stanmore, London, UK under the guidance of Professor Peter Walker.
2. Effect of Sterilization on UHMWPE. Funded by the Fry Surgical Limited.
3. Tissue Penetration of NSAID after Skin Application. In collaboration with 3M Health Care Limited.
4. Degradation of Ultra-High Molecular Weight Polyethylene in Total Joint Replacement. Supported by Wishbone Trust, British Orthopaedic Association.

Publications

THESIS

Joshi, Atul. 1990. "Total Hip Arthroplasty in Ankylosing Spondylitis." M.Ch. Orth. Thesis, University of Liverpool.

186 Charnley Low Friction Arthroplasties were assessed for clinical evaluation and radiographic analysis. Total hip arthroplasty in Ankylosing Spondylitis provides sustained pain and improved function without incurring significant complication rate.

CHAPTERS

1. "Instability" and Low Back Pain.
Aston, B., S. Eisenstein, B. Summers, A. Joshi, I. McCall, and V. Cassar-Pullicino.
In Lumbar segmental instability. Edited by Robert Gunzburg and Marek Szpalski;
Publisher: Lippincott-Raven.
2. Kienbock's disease.
Dregnan, G., A. Joshi and D. Lichtman. *In Orthopedic Secrets, 2nd Edition*. Edited by David E. Brown and Randall D. Neumann; Medical Publisher: Hanley and Belfus Inc.
3. Midcarpal Instability.
Culp, R., D. Lichtman, and A. Joshi. *In Operative Arthroscopy, 3rd Edition*. Edited by in Operative Arthroscopy. McGinty, J.B.;
Publisher: Lippincott Williams and Wilkins.
4. ACUTE DISTAL RADIOULNAR INJURY.
Joshi, A., and D. Lichtman. *Instructional Course Series*. American Academy of Orthopedic Surgeon.
5. Kienbock's Disease.
Dregnan, G., A. Joshi and D. Lichtman. *In Orthopedic Secrets, 3rd Edition*. Edited by David E. Brown and Randall D. Neumann; Medical Publisher: Hanley and Belfus Inc.

PAPERS PUBLISHED

1. Joshi, A., and B. Singh. July – 1986.
Osteochondritis dissecans of capitellum of the humerus in a girl. A case report. Darlington Post Graduate Journal.
2. Dindsha, A., and A. Joshi. December – 1986.
Acute Pyogenic Osteomyelitis of the Clavicle. A case report. Darlington Post Graduate Journal.
3. Joshi, A. July – 1986. *The Transverse Fracture of Sacrum with Neurological Defect*. Darlington Post Graduate Journal.
4. Blunn, G., K. Hardinge, A. Joshi, and P. Walker. 1991. *The Dominance of Cycling Sliding in Producing Wear in Total Knees*. Clinical Orthopaedics and Related Research, 273:254.
5. Joshi, A., B. Koppada, and M. Pena. 1991.
Reason of Cancellation in Elective Orthopaedic Surgery. Heath Trends, 23:114.
6. Hardinge, K., and A. Joshi. 1992. *Survival Analysis of Conventional Total Hip and Total Knee Replacement*. Proceedings of Institution of Mech. Engineers, Joint Replacement in the 1990's Vol. 4.
7. Blunn, G. W., E. Engelbrecht, K. Hardinge, A. Joshi, L. Lidgren. L. Ryd, and P. S. Walker.

1992. *Polyethylene Wear of 106 Retrieved Unicondylar Knee Replacements*. Acta Orthopaedica Scandinavica, 63(3):247-255.
8. Hardinge, K., A. Joshi, J. C.M. Murphy, M. Porter, and I. Trail. 1993. *Charnley Low Friction Arthroplasty in Patients Under The Age of 40: Long-term Results*. Journal of Bone and Joint Surgery 75B, 616-623.
 9. Hardinge, K., A. Joshi, C. Lee, L. Markovic, and J. C. M. Murphy. 1994. *Total Knee Arthroplasty After Patellectomy*. Journal of Bone and Joint Surgery 76B, 926-930.
 10. Harlin, S.A., Iliopoudoc D.C., A. Joshi, G. V. Letsou, C.C. Miller, T.G. Mohasci, M. J. Sufi, M. Tabor, and R. Zippie. 1996. *Productive Factors for Acute Renal Failure in Thoracic and Thoracoabdominal Aortic Aneurysm Surgery*. Journal of Vascular Surgery 24(3), 338-344.
 11. Blunn, G. W., A. B. Joshi, R. J. Minns, I. Lidgreen, P. Liley, L. Ryd, E. Engelbrecht, and P. S. Walker. 1997. *Wear in Retrieved Condylar Knee Arthroplasties. A Comparison of Wear in Different Designs of 280 Retrieved Condylar Knee Prostheses*. Journal of Arthroplasty 12(3) 281-290.
 12. Hardinge, K., J. Numair, A. Joshi, J. C. Murphy, and M. L. Porter. 1997. *Total Hip Arthroplasty For Congenital Dysplasia On Dislocation Of The Hip. Survivorship Analysis And Long-Term Results*. Journal of Bone and Joint Surgery 79A, 1352-1360.
 13. Joshi, A., C. Lee, G. Valatis, L. Markovic, and J. C. M. Murphy. 1998. *The Prognosis of Dislocation after Total Hip Arthroplasty*. Journal of Arthroplasty Vol. 12, No. 1, 17-21.
 14. Hardinge, K., T. Ilchman, L. Markovic, A. Joshi, and H. Winstrand. 1998. *The Long-Term Wear of Polyethylene In Total Hip Arthroplasty*. Journal of Bone and Joint Surgery (Br), 80(B) No. 3 377-381.
 15. Joshi, A., M. Lubec and R. Lindsey. 1998. *Gunshot Injuries to Humeral Shaft*. Injury, 29, Supplement 1, S-A13 – S-A17.
 16. Joshi, A., L. Marcovic, T. Ilchman and J. Murphy. 1999. *The Polyethylene Wear and Calcar Osteolysis*. American Journal of Orthopaedics, 28(1), 45 – 48.
 17. Gill, G., A. Joshi, D. Mills. 1999. *Total Condylar Knee Arthroplasty: 16 – 21 Year Results*. Clinical Orthopaedics and Related Research, 367, 210 – 215.
 18. Joshi, A., and D. Lichtman. 2000. *When Is Wrist Pain Kienböck's Disease*. The Journal of Musculoskeletal Medicine, 120.
 19. Joshi, A., T. Ilchmann, and L. Markovic. *Socket Wear in Bilateral Simultaneous Hip Replacement*. Journal of Arthroplasty.
 20. Allan, C., A. Joshi, and D. Lichtman. 2001. *Kienböck's Diseases – A Review*. Journal of the American Academy of Orthopedic Surgeon Mar.- Apr., 9 (2): 128-36.
 21. Gill, G., and A. Joshi. 2001. *Long-term Results of Kinematic Condylar Knee Arthroplasty: Analysis of 404 Knees*. Journal of Bone and Joint Surgery (British), 83(3):355 – 8.
 22. Gill, G., and A. Joshi. 2001. *Long-term Results of Posterior Cruciate Retaining Knee Arthroplasty in Rheumatoid Arthritis*. Journal of Bone and Joint Surgery (British), 83(4): 510-2.
 23. Gill, G., and A. Joshi, 2001. *Long-term Results of Cemented, Posterior Cruciate Ligament-Retaining Total Knee Arthroplasty in Osteoarthritis*. Am. J. Knee Surg. 14(4): 209 – 14.
 24. Hardinge, K., A. Joshi, L. Markovic, and John C. Murphy. *Conversion of Fused Hips to Total Hip Arthroplasty: Analysis of 208 Hips*. Accepted by Journal of Bone and Joint Surgery (American).
 25. Hardinge, K., A. Joshi, L. Markovic, and John C. Murphy. *Total Hip Arthroplasty in Ankylosing Spondylitis*. Accepted by Journal of Arthroplasty.
 26. Gill, G., and A. Joshi. *Total Knee Arthroplasty in Nonagenarians*. Accepted by Journal of Arthroplasty.
 27. Christensen, C., A. Joshi, and J. Lee. *Custom Acetabular Implant For Massive Acetabular Defect in Revision Arthroplasty of Hips*. Accepted by Journal of Arthroplasty.

28. Joshi, A., E. Wroten, and D. Lichtman. *Ulnar-Sided Wrist Pain*. Online textbook, <http://www.emdicine.com>.
29. Butterfield, S., A. Joshi and D. Lichtman. *Lunotriquetral Injuries*. Accepted by Journal of American Society of Hand Surgeon.
30. Joshi. A., A. Nan, and D. Lichtman. *Distal Radius Platting*. Accepted by Journal of American Academy of Orthopedic Surgeon
31. Gill, G., D. Mills and A. Joshi. *Mortality Following Primary Total Knee Arthroplasty*. Accepted by Journal of Bone and Joint Surgery (American)
32. Joshi, A., C. Lichtman, and E. Wroten. *Midcarpal Instability*. Accepted by Journal of Bone and Joint Surgery (American).
33. Joshi, A., T. Oliverson, A. Nana and R. W. Lindsey. *Chronic Tibial Osteomyelitis Caused by Candida Parapsilosis*. Accepted by Orthopedics.
7. Conversion of Pseudoarthrosis to Total Hip Replacement. *J. Bone Joint Surg. (Br)* 74B, Supplement II:159, 1992
8. Total Hip Arthroplasty in Congenital Dislocation. *The Journal Of the Japanese Orthopaedic Association*, 66, 2S297, 1992
9. Long Term Result of THA in Ankylosing Spondylitis. *The Journal Of the Japanese Orthopaedic Association*, 66, 2S298, 1992
10. The Effect of Bearing Conformity on the Wear of Polyethylene Tibial Component. *The Journal of the Japanese Orthopaedic Association*, 66, 2S160, 1992
11. Total Hip Arthroplasty in Congenital Hip Dislocation: Survival Analysis and Long-Term Results. *J Bone Joint Surg. (Br)* 74B, Supplement III:292, 1992
12. The Effect of Bearing Conformity on the Wear of Polyethylene Tibial Components. *J. Bone Joint Surg. (Br)* 74B, Supplement III:287, 1992
13. Long-term Results of Total Hip Arthroplasty in Patients with Ankylosing Spondylitis. *J. Bone Joint Surg. (Br)* 74B, Supplement III:253, 1992
14. Total Hip Arthroplasty in Patients of 40 Years of Age or Younger: A Survival Analysis, Clinical Appraisal and Radiological Study. *J. Bone Joint Surg. (Br)* 74B, Supplement III:274, 1992
15. The Dominance of Cycling Sliding in Producing Wear in Total Knees. *Orthopaedic Transactions* 6 – 1:120, 1992
16. How good is Total Hip Arthroplasty in young patients? A clinical, radiological and survivorship analysis. *Orthopaedic Transactions* – 3:638, 1992
17. The Effect of Bearing Conformity on the Wear of Polyethylene Tibial Components. *Transaction of the 38th Annual Meeting of ORS*, Vol. 17 – Section 2:357, 1992
18. Modulation of Delamination By Surface Wear in Total Knees. *Transaction of the 39th Annual Meeting of ORS*, Vol. 18 – Section 2:499, 1993

ABSTRACTS

1. Total Hip Replacement in Ankylosing Spondylitis. *The M. Ch. Orth. Journal*, January – 1991
2. Total Hip Arthroplasty in Skeletal Dysplasia. *J. Bone Joint Surg. (Br)* 73B, Supplement I:74 , 1991
3. Revision of Total Condylar Knee Arthroplasty. *J. Bone Joint Surg. (Br)* 73B, Supplement I:74, 1991
4. Total Hip Replacement in Ankylosing Spondylitis. *British Journal of Rheumatology*, XXX, Supplement I:29, 1991
5. The Survival Analysis of Charnley Low-Friction Arthroplasty In Patients Forty Years Of Age Or Younger. *J. Bone Joint Surg. (Br)* 74B, Supplement II:139, 1992
6. Role of Pronation and Supination of the Forearm in the Treatment of Supracondylar Fracture of the Humerus. *J. Bone Joint Surg. (Br)* 74B, Supplement II:151, 1992

19. Performance of Ultra-High Molecular Weight Polyethylene In Knee Replacement. *Transaction of the 39th Annual Meeting of ORS*, Vol. 18 – Section 2:499, 1993
20. Comparison of Polyethylene Wear In Three Designs of Unicdylar Knee Replacements. *J. Bone Joint Surg. (Br)* 75B, Supplement I: 2, 1993
21. Conversion of Arthrodesis In Total Hip Arthroplasty: Long-Term Results. *J. Bone Joint Surg. (Br)* 75B, Supplement I:33, 1993
22. Mechanism Of Wear In Total Knee Replacement. *J. Bone Joint Surg. (Br)* 75B, Supplement II:132, 1993
23. Factors Affecting Wear of Polyethylene in Retrieved Total Knee Replacement. *J. Bone Joint Surg. (Br)* 75B, Supplement II:132, 1993
24. The Results of First 938 Total Knee Arthroplasty, Clinical Radiological and Survivorship Analysis. *J. Bone Joint Surg. (Br)* 75B, Supplement II:133, 1993
25. Conversion of Fusion to Total Hip Arthroplasty. *J. Bone Joint Surg. (Br)* 75B, Supplement II:123, 1993
26. How good is Total Hip Arthroplasty in Young Patients? A Survivorship Analysis, Clinical Appraisal and Radiological Study. *J. Bone Joint Surg. (Br)* 75B, Supplement II:124, 1993
27. Pseudoarthrosis as a Salvage Procedure for Failed Total Knee Replacement. *J. Bone Joint Surg. (Br)* 76B, Supplement II and III:153, 1994
28. Total Knee Arthroplasty after Patellectomy. *J. Bone Joint Surg. (Br)* 76B, Supplement II and III:155, 1994
29. Long-term Wear of the Acetabular Cups: Analysis of Risk Factors. *Orthopaedic Transactions:* 303, 1995
30. The Effect of Axial Rotation on The Measurement Of Neck-Shaft Angle, The Medial Head Offset, And The Physiological Valgus Angle Of The Femur. *Orthopaedic Transactions:* 452, 1995
31. The Effect of Rotation on The Measurement Of The Physiological Valgus Angle Of The Femur. *Orthopaedic Transactions:* 494: 1995
32. Particulate Transport At The Cementless Acetabular Interface. *Orthopaedic Transactions:* 546, 1995
32. Surface Abrasion Of The Polyethylene Liner: Retrieval And Laboratory Analysis. *Orthopaedic Transactions:* 555, 1995
34. The Effect of Femoral Rotation on the Measurement of Physiological Valgus Angle. *Orthopaedic Transactions:* 764, 1995
35. Inter-Observer and Intra-Observer Variation of Radiographic Evaluation of Cemented Total Hip Arthroplasty. *Orthopaedic Transactions:* 781, 1995
36. Particulate Transport at the Cementless Acetabular Interface. *Orthopaedic Transactions:* 914, 1995
37. The Effect Of Rotation on The Measurement Of The Physiological Valgus Angle Of The Femur. *Orthopaedic Transactions:* 922, 1995
38. Long-term Wear of the Acetabular Cup: Analysis Of Risk Factors. *Orthopaedic Transactions:* 1106, 1995
39. In Vivo Wear of Long-Term Successful Charnley Total Hip Replacements. *Acta Orthop Scand. Suppl.* 265:30, 1995
40. In Vivo Wear of Long-Term Successful Charnley Total Hip Replacements. *J. Bone Joint Surg. (Br)* 77 – Suppl. II:168, 1995
41. A Comparison of All-Polyethylene and Metal-Backed Tibial Component: A Match Study. *Orthopaedic Transactions:* 30, 1996
42. Acetabular Loosening: A Risk Factor Analysis. *Orthopaedic Transactions:*218, 1996

43. Long-Term Wear of the Acetabular Cups: Analysis of Risk Factors. *J. Bone Joint Surg. (Br)* 76B, Supplement II and III, 1996
44. All-Polyethylene and Metal-Backed Tibial Component- A Match Study. *J. Bone Joint Surg. (Br)* 76B, Supplement II, 1997
45. Long-Term Wear Of Polyethylene In Total Hip Arthroplasty. *J. Bone Joint Surg. (Br)* 76B, Supplement II, 1997
46. Total Hip Arthroplasty in Ankylosing Spondylitis: Clinical, Radiological and Survivorship Analysis. *Orthopaedic Transactions:* 276, 1997
47. Total Condylar Knee Arthroplasty – Results at 24 years. *J. Bone Joint Surg. (Br)*, 83 – Supple II:134, 2001
48. Performance of Posterior Cruciate Retaining Knee Arthroplasty. *J. Bone Joint Surg. (Br)*, 83 – Supple II:159, 2001
49. 26 years Survivorship of Total Hip Arthroplasty – Analysis of 632 Hips. *J. Bone Joint Surg. (Br)*, 83 – Supple II:160, 2001
50. The outcome of posterior cruciate retaining knee arthroplasty diagnosis dependent? *J. Bone Joint Surg. (Br)*, 83 – Supple II:218, 2001
51. Total Knee Arthroplasty in Octogenarian. *J. Bone Joint Surg. (Br)*, 83 – Supple II:243, 2001

Presentations

Course Co-Chairman

Charnley Era Meeting – 1992
Wrightington, UK

Controversies in Trauma Management – 1999
Fort Worth, USA

Wear of the Polyethylene in TKR – A retrieval analysis. AMK Symposium, Southampton – 1992

Wear of Polyethylene in Total Knee. Arthroplasty Indian Orthopaedic Association, Lucknow – 1992

Invited Speaker

Total Joint Replacement - Overview
Andhra Medical School, Andhra Pradesh,
India - 1991

Long-Term Result of Cemented Arthroplasty.
Grant Medical School, Bombay, India – 1991

Wear Of Polyethylene in Total Knee
Arthroplasty. The Nottingham Knee
Symposium – 1992

Orthopedic Symposium
Santiago, Chili 2005

Long-Term Results of Polyethylene in Total
Hip Replacement. Total Joint Replacement,
Phoenix – 1992

Paper Presentation

1. Congenital Dislocation of Hips in Darlington,
1971 – 1981. The Holdsworth Orthopaedic
Club, Darlington – 1984

2. Low Back Pain: The Validity of Syndrome
Labels. Royal Society of Medicine, London –
1989

3. Conversion of Pseudoarthrosis to THR

- Royal Society of Medicine, London - 1990
4. Conversion of Pseudoarthrosis to THR
The combined Greek-Scandinavian
Orthopaedic Association, Athens – 1990
 5. Total Hip Arthroplasty in Skeletal Dysplasia
British Orthopaedic Association, London –
1990
 6. Radiographic Assessment in Total Knee
Arthroplasty. North-West Orthopaedic Club,
Manchester – 1990
 7. Total Hip Replacement in Ankylosing
Spondylitis. British Society of Rheumatology,
London – 1991
 8. A Review of Silicone Arthroplasty of the
Proximal Interphalangeal Joint. British Society
of Surgery of the Hand, Bristol – 1991
 9. How good is Total Hip Arthroplasty In Young
Patients? A Survivorship Analysis, Clinical
Appraisal and Radiological Study. 9th Annual
Resident Conference, Memphis – 1991
 10. Conversion of the Pseudoarthrosis to Total
Hip Replacement. British Orthopaedic
Association, Birmingham – 1991
 11. Radiographic Assessment in Total Knee
Arthroplasty. The Nottingham Knee
Symposium, Nottingham – 1991
 12. Total Hip Arthroplasty in Congenital
Dislocated hips. The Wrightington Experience
Debates in Hip Replacement, Bristol – 1991.
 13. Total Hip Arthroplasty in Ankylosing
Spondylitis: Long-term Results British Hip
Society Meeting, London – 1991
 14. Traveling Fellowship – Houston and Boston.
Ormskirk Postgraduate Centre – 1992
 15. Radiographic Assessment in Total Knee
Arthroplasty. AAOS – 1992
 16. The Wear of Tibial Polyethylene in Total Knee
Arthroplasty. British Association for Surgery
of the Knee – 1992
 17. Long Term Result of THA in Ankylosing
Spondylitis. The Japanese Orthopaedic
Association – 1992
 18. The Effect of Bearing Conformity on the Wear
of Polyethylene Tibial Component. The
Japanese Orthopaedic Association – 1992
 19. Long-term Result of Total Hip Arthroplasty in
Patients with Ankylosing Spondylitis. The
Ninth Combined Meeting of the Orthopaedic
Association of the English
Speaking World – 1992
 20. Conversion of Fusion to Total Hip
Arthroplasty. British Orthopaedic Association
– 1992
 21. Conversion of Fusion to Total Hip
Arthroplasty. The Ninth Combined Meeting of
the Orthopaedic Association of the English
Speaking World – 1992
 22. The Effect of Bearing Conformity on the Wear
of Polyethylene Tibial Components. The
Ninth Combined Meeting of the Orthopaedic
Association of the English Speaking World –
1992
 23. Total Hip Arthroplasty in Congenital Hip
Dislocation: Survival Analysis and Long-Term
Results. The Ninth Combined Meeting of the
Orthopaedic Association of the English
Speaking World – 1992
 24. Silastic Interposition Arthroplasty of Proximal
Interphalangeal Joint. The Ninth Combined
Meeting of the Orthopaedic Association of the
English Speaking World – 1992
 25. Charnley Total Replacement in Patients Eighty
Years of Age or More at the Time of Surgery.
The Ninth Combined Meeting of the
Orthopaedic Association of the English
Speaking World – 1992
 26. Total Hip Arthroplasty in Ankylosing
Spondylitis. The Japanese Orthopaedic
Association – 1992
 27. Role of Cyclic Dominance in Wear of Total
Knee Arthroplasty. The Japanese Orthopaedic
Association - 1992

28. Long-Term Result of Total Condylar Knee Arthroplasty. Charnley Era Meeting – 1992
29. Wear of Tibial Polyethylene in Total Knee Arthroplasty. Charnley Era Meeting – 1992
30. Total Hip Replacement In Ankylosing Spondylitis. Charnley Era Meeting – 1992
31. Conversion of Fusion to Total Hip Replacement. Charnley Era Meeting – 1992
32. Mechanism of Wear in Total Knee Replacement. BORS - 1992
33. Result of First 938 Total Knee Arthroplasty: Clinical, Radiological and Survivorship Analysis. British Orthopaedic Association – 1992
34. Conversion of Fusion to Total Hip Arthroplasty. British Orthopaedic Association – 1992
35. Total Hip Arthroplasty in Patients of 40 Years of Age or Younger: A Survival Analysis, Clinical Appraisal and Radiological Study. The British Hip Society, London – 1993
36. Factors Affecting Wear of Polyethylene in Retrieved Total Knee Replacement. EFORT, Paris – 1993
37. Result of First 938 Total Knee Arthroplasty: Clinical, Radiological and Survivorship Analysis. EFORT, Paris – 1993
38. What is Fate Of Total Hip Replacement Revised For Aseptic Loosening?. EFORT, Paris – 1993
39. Performance of the Polyethylene in Total Knee Arthroplasty. AAOS, New Orleans – 1994
40. Wear of the Polyethylene in Total Knee Arthroplasty. Charnley Era Meeting, Wrightington – 1994
41. Total Elbow Arthroplasty – Long Term Results. Charnley Era Meeting, Wrightington – 1994
42. Long-Term Wear of the Acetabular Cups: Analysis of Risk Factors. AAOS, Orlando – 1995
43. Surface Abrasion of the Polyethylene Liner; Retrieval and Laboratory Analysis. AAOS, Orlando - 1995
44. A Comparison of All-Polyethylene and Metal-Backed Tibial Component: A Match Study. AAOS, Atlanta – 1996
45. Acetabular Loosening: A Risk Factor Analysis. AAOS, Atlanta – 1996
46. Long-Term Wear of Polyethylene in Total Hip Arthroplasty. AAOS, San Francisco – 1997
47. Total Hip Arthroplasty in Ankylosing Spondylitis: Clinical, Radiological and Survivorship Analysis. AAOS, New Orleans - 1998
48. Wear in the Knee Arthroplasty. JPS Health Network, Grand Rounds, Fort Worth, 1999
49. High Tibial Osteotomy, Fact or Fiction. Levy Lewis Symposium, Fort Worth, 1999
50. Performance of Posterior Cruciate Retaining Total Knee Arthroplasty. Texas Orthopedic Association – 2000
51. Performance of Posterior Cruciate Retaining Total Knee Arthroplasty. 11th Annual Winter Total Joint and Sports Medicine Symposium Warsaw, 2000
52. Is outcome of posterior cruciate retaining arthroplasty diagnosis dependent?. EFORT – Rhodes – Greece, 2001
53. 26 Years Survivorship Analysis of Total Knee Arthroplasty. EFORT – Rhodes – Greece, 2001
54. Mortality Following Total Knee Arthroplasty. Ninth Joint Arthroplasty Meeting, Warsaw, 2001
55. Influence of Lost to Follow-up on Survivorship Analysis. AAOS, Dallas 2002

56. Statistics – Made Easy. JPS Health Network, Fort Worth, 2002

CO-PRESENTER

57. Low Back Pain: The Validity of Syndrome labels. The Society of Back Pain Research – 1989

58. The Adolescent Disc Prolapse – A Long-Term Result. The Naughton Dunn Orthopaedic Club – 1989

59. Total Hip Arthroplasty in Skeletal Dysplasia. Skeletal Dysplasia Group, Oswestry – 1989

60. CT Scanning in Osteoarthritis Secondary to Congenital Dislocation of the Hip. SICOT Meeting, Toronto – 1990

61. Revision of Total Condylar Knee Arthroplasty British Orthopaedic Association – 1990

62. Total Hip Arthroplasty in Secondary Arthritis Due to Perthes' Disease. 4th Greek Orthopaedic Diaspora, Athens – 1990

63. Fracture of Tibial Prosthesis in Total Knee Arthroplasty. 4th Greek Orthopaedic Diaspora, Athens – 1990

64. Minimization of Surface Damage in Total Knee Replacement. The Knee Society, AAOS – 1991

65. Role of Forearm Rotation in Supracondylar Fracture. The Naughton Dunn Orthopaedic Club – 1991

66. Comparison of Polyethylene Wear on Retrieved Tibia Components With Wear Induced in and IN-VITRO Test. 9th European Conference on Biomaterial – 1991

67. The Survivorship of Charnley Low-Friction Arthroplasty in Patients 40 Years of Age and Younger. British Orthopaedic Association – 1991

68. Role of Forearm Rotation in Supracondylar Fracture of the Humerus. British Society of Children Orthopaedic Surgery – 1991

69. Wear of Polyethylene in Total Knee Arthroplasty. The Knee Society, AAOS – 1992

70. Total Hip Arthroplasty in Congenital Dislocated Hips: Long-term Results. AAOS – 1992

71. A Retrieval and IN-Vitro Study of Degradation of Ultra-High Molecular Weight Polyethylene in Total Knee Replacements. Forth World Biomaterials Congress – 1992

72. How Good is Total Hip Arthroplasty in the Young Patient? A Survivorship Analysis, Clinical Appraisal and Radiological Study. AAOS – 1992

73. The Effect of Bearing Conformity on the Wear of Polyethylene Tibial Components. ORS – 1992

74. Total Hip Arthroplasty in Congenital Dislocated Hip-Survival Analysis and Long-Term Results. 65th Japanese Orthopaedic Association – 1992

75. Survival Analysis of Conventional Total Hip and Total Knee Replacement. Joint replacement in the 1990's

76. Factors Affecting Wear of Polyethylene in Retrieved Total Knee Replacements. AAOS – 1993

77. Modulation of Delamination by Surface Wear in Total Knees. The 39th Annual Meeting of ORS – 1993

78. Performance of Ultra-High Molecular Weight Polyethylene in Knee Replacement. The 39th Annual Meeting of ORS – 1993

79. Conversion of Fusion to Total Hip Arthroplasty. EFORT, Paris – 1993

80. Mechanism of Wear in Total Knee Replacement. EFORT, Paris 1993

81. Factors Affecting Delamination Wear in Knee Replacements. EFORT, Paris -1993
82. How good is Total Hip Arthroplasty in Young patients? A Survivorship Analysis, Clinical Appraisal and Radiological Study EFORT, Paris -1993
83. Total Hip Arthroplasty in Rheumatoid Arthritis. Royal Society of Medicine, London – 1993
84. Clinical Results, Radiological Appraisal and Survival Analysis of First 1000 Knee Arthroplasty of Total Condylar Type. SICOT, Seoul – 1993
85. Conversion of Fusion to Total Hip Arthroplasty. SICOT, Seoul – 1993
86. Total Knee Arthroplasty in Patients Age 80 Years. SICOT, Seoul – 1993
87. Results of Pseudoarthrosis of Knee. SICOT, Seoul – 1993
88. Dislocation in Total Hip Arthroplasty. SICOT, Seoul – 1993
89. Total Hip Arthroplasty in Paget's disease. SICOT, Seoul – 1993
90. What is Fate of Total Hip Replacement Revised for Aseptic Loosening? SICOT, Seoul – 1993
91. Total Knee Arthroplasty in Patellectomized Knee. SICOT, Seoul – 1993
92. Total Hip Arthroplasty in Age 80 Years or Above. SICOT, Seoul – 1993
93. Polyethylene Wear in Total Knee Arthroplasty. British Orthopaedic Association/BASKS, Torqay – 1993
94. Prognosis of Dislocation After Total Hip Arthroplasty. Seminar and Workshop on Total Hip Arthroplasty, Kuala Lumpur – 1993
95. Pseudoarthrosis as a Salvage Procedure for Failed Total Knee Replacement. British Orthopaedic Association, 1994
96. Total Knee Arthroplasty after Patellectomy. British Orthopaedic Association, 1994
97. Total Hip Arthroplasty in Rheumatoid Arthritis. AAOS, New Orleans, 1994
98. The First 1000 Total Knee Arthroplasty of the Total Condylar Type at Wrightington Malaysian Orthopaedic Association Annual Scientific Meeting – 1994
99. In Vivo Wear of Long-Term Successful Charnley Total Hip Replacement. Swedish Orthopedic Society (SOF). Sweden, 1994.
100. 25 Langfristigerfolgreich Implantierte Polyethylen-Pfannen. SLS-Arbeitstagung, Liestal, Switzerland, 1994
101. Effect of Axial Rotation on the Measurement of the Physiologic Valgus Angle, Neck Shaft Angle and the Medial Head Offset of the Femur. 12th Annual Resident Conference, Memphis – 1995
102. Performance of Modular Femoral Stern Centralizers in Cemented Total Hip Arthroplasty. AAOS, Orlando, 1995
103. The Effect of Rotation on the Measurement of the Physiologic Valgus Angle of the Femur.. AAOS, Orlando, 1995
104. Particulate Transport at the Cementless Acetabular Interface. AAOS, Orlando 1995
105. Effect of Axial Rotation on the Measurement of the Physiologic Valgus Angle, Neck Shaft Angel, and the Medial Head Offset of the Femur. AAOS, Orlando, 1995
106. Surface Abrasion of the Polyethylene Liner: Retrieval and Laboratory Analysis. AAOS, Orlando, 1995
107. In Vivo Wear of Long-Term Successful Charnley Total Hip Replacement. European Federation of National Associations of Orthopaedics and Traumatology. (EFORT). Germany, 1995
108. The Effect of Femoral Rotation on the Measurement of Physiological Valgus Angle. Mid-America Meeting, Florida, 1995

109. Inter-Observer and Intra-Observer Variation of Radiographic Evaluation of Cemented Total Hip Arthroplasty. Mid-America Meeting, Florida, 1995
110. Particulate Transport at the Cementless Acetabular Interface. Orthopaedic Research Society, Florida, 1995
111. The Effect of Rotation on the Measurement of the Physiological Valgus Angle of the Femur. Orthopaedic Research Society, Florida, 1995
112. Long-term Wear of the Acetabular Cups: Analysis of Risk Factors. Orthopaedic Research Society, Florida, 1995
113. Long-term wear of the Acetabular Cups: Analysis of Risk Factors. BOA – 1996
114. Long-term wear of Polyethylene in Total Hip Arthroplasty. BOA – 1997
115. All-Polyethylene and Metal-Backed Tibial Component – A Match Study. BOA – 1997
116. The Outcome of Custom-Made Acetabular Component for Massive Complex Acetabular Deficiency in Revision Arthroplasty of the Hip. AAHKS, Dallas – 1997
117. Long-Term Results of Conversion of Arthrodesis to Total Hip Arthroplasty. AAOS, San Francisco – 1997
118. The Outcome of Custom-Made Acetabular Component for Massive Complex Acetabular Deficiency in Revision Arthroplasty of the Hip. AAOS, San Francisco – 1997
119. Long-Term Results of Total Condylar Knee Arthroplasty. AAHKS, Dallas, 1998
120. Minimum 16 Years Result of Total Condylar Knee Arthroplasty. AAOS, Anaheim, 1999
121. 16 – 22 Years Result of Total Condylar Knee Arthroplasty. AAOS, The Knee Society, 1999
122. Socket Wear In Bilateral Simultaneous Hip Replacement. European Federation of National Associations of Orthopedics and Traumatology. (EFORT). Brussels, Belgium, 1999
123. Twenty Year Survivorship of Cemented Posterior Cruciate Retaining Total Condylar Knee Arthroplasty. Indian Orthopaedic Association XLIII Annual Conference, India, 1998
124. Long-term Results of Total Condylar Knee Replacement: Clinical, Radiological and Survivorship Analysis. 4th Annual Charterjee Memorial Lecture, Manchester, England, 1999
125. 20 Years Survivorship Analysis of Total Condylar Knee Arthroplasty. Mid-America Orthopedic Association, Bermuda, 1999
126. Sixteen to Twenty-One Year Results of Total Condylar Knee Replacement: Clinical, Radiological and Survivorship Analysis. Texas Orthopedic Association, Dallas, 1999
127. 20 Year Results of Total Condylar Knee Replacement. 10th Annual Winter Total Joint and Sports Medicine Symposium, Colorado, 2000
128. Kinematic Condylar Total Knee Arthroplasty. AAOS, Orlando, 2000
129. Posterior Cruciate Retaining Total Knee Arthroplasty. AAOS, Orlando, 2000
130. Long-Term Results of Kinematic Condylar Total Knee Arthroplasty. Texas Orthopedic Association – 2000
131. Flat on Flat Total Knee Arthroplasty. 11th Annual Winter Total Joint and Sports Medicine Symposium, Warsaw, 2001
132. 24 Years Survivorship Analysis of Total Knee Arthroplasty. AAOS, Dallas, 2002
133. Mortality Following Primary Total Knee Arthroplasty. AAOS, Dallas, 2002
134. Flat on Flat Total Knee Arthroplasty – Results at 10 Years. AAOS, Dallas, 2002
135. Scapular Fractures and Brachial Plexus Injury. Texas Orthopedic Association, Dallas, 2002

Continuing Medical Education

INTERNATIONAL

The combined Greek-Scandinavian Orthopaedic Association, Greece	1990
British Orthopaedic Association, United Kingdom	1991
Indian Orthopedic Meeting, India	1991
Japanese Orthopedic Meeting, Japan	1992
British Orthopaedic Association, United Kingdom	1992
Indian Orthopedic Meeting, India	1992
Charnley Era Meeting, United Kingdom	1992
The Ninth Combined Meeting of the Orthopaedic Association of the English Speaking World, Canada	1992
European Federation of National Association of Orthopedics and Traumatology (EFORT), Paris	1993
British Orthopaedic Association, United Kingdom	1993
Charnley Era Meeting, United Kingdom	1994
European Federation of National Associations of Orthopedics and Traumatology (EFORT), Greece	2001

NATIONAL MEETING

American Academy of Orthopedic Surgeon	1992
American Academy of Orthopedic Surgeon	1993
American Academy of Orthopedic Surgeon	1994
American Academy of Orthopedic Surgeon	1995
American Academy of Orthopedic Surgeon	1996
American Academy of Orthopedic Surgeon	1997
American Academy of Orthopedic Surgeon	1998

11 th Annual Winter Total Joint and Sports Medicine Symposium	2000
American Academy of Orthopedic Surgeon	2000
American Academy of Orthopedic Surgeon	2001
Texas Orthopedic Association	2001
11 th Annual Winter Total Joint and Sports Medicine Symposium	2001
American Academy of Orthopedic Surgeon	2002

COURSES

Basic Orthopaedic and Fracture	Pyrford	1981
Hand Surgery	Edinburg	1982
Basic A – O Course	London 1983	
Symposium on the Cervical Spine	Leicester	1984
British Course on Hip Surgery	Oswestry	1984
Basic Science Course	Edinburgh	1985
Symposium on Spinal Disorder	Oswestry	1987
Microvascular Surgical Workshop	London 1987	
Symposium on Spinal Disorder	Manchester	1988
Symposium on Total Knee Arthroplasty	Nottingham	1989
Current Trends in Knee Surgery	Manchester	1989
M. Ch. Orth., Course	Liverpool	1990
Seminar on Medical Audit	Ormskirk	1991
Radiation Protection Course	Manchester	1991
The Future of Orthopaedic Implants	London 1991	
Current Trends – Children’s Orthopaedic	Manchester	1991
Recent Advances in Orthopedics	Fukuoka	1992
Revision THR with Allograft	Chicago	1992
Primary Total Knee Replacement	Virginia	1992

Primary Total Hip Replacement	Virginia	1992
Symposium on Total Knee Arthroplasty	Nottingham	1992
Symposium on Total Joint Replacement	Phoenix	1992
British Hip Society	London	1993
Total Hip and Knee Arthroplasty	Houston	1995
Children' Orthopedic Course	Phoenix	1996
Shriner's Hospital for Crippled Children	Houston	1996
Updates in Spine Surgery	Houston	1997
Total Hip and Knee Surgery	Indian Wells	1998
E. T. Smith Orthopedic Lectureship	Houston	1999
Controversies in Trauma Management	Fort Worth	1999
Reconstruction and Repair of Knee Ligaments	Chicago	2002

VISITS

As a fellow/observer I had the privilege to visit the following institutes.

FELLOWSHIP

Professor E. Morscher	8 wks/1987	Basic
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As an A – O fellow, I visited Professor Morscher and became familiar with techniques of non-cemented joint replacement. I also visited a traumatology section of Kantonspital (birthplace of A – O technique) and observed various methods of fracture fixations.

OBSERVER

Professor G. Teasdale	2 wks/1985	Glasgow
Mr. M. A. R. Freeman	2 wks/1985	London
Dr. J. Insall	2 wks/1987	New York
Dr. Carroll, Dr. Tachdjian Dr. Scheffer and Dr. Kane	3 wks/1987	Chicago
Prof. L. Lidgren and Dr. L. Ryd	1 wk/1991	Luad
Dr. J. Reuben	1 wk/1991	Houston

During the visit in 1991 to the USA, I also visited the Hospital for Special Surgery, New York (Dr. C. Ranawat, Dr. E. Salvati and Dr. T. Wright), Columbia Presbyterian Hospital, New York (Dr.N. Efterkar), Mayo Clinic (Dr. D. Lewellen), Brigham and Women's Hospital, Boston (Dr. J. Schaffer and Dr. M. Spector) and Baylor College of Medicine, Houston (Dr. J. Noble).