

BIO DATA

DR. Y.M. FAZIL MARICKAR

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ABSTRACT BIO DATA OF DR. Y.M. FAZIL MARICKAR, 2015

Dr. Y.M. Fazil Marickar, Principal, Mount Zion Medical College, Adoor was earlier Principal, Azeezia Medical College, Kollam, Professor and Head of Surgery at Medical College, Trivandrum and SUT College of Medicine, Trivandrum. He has been a surgical teacher for the last 43 years and has done extensive research on urinary stone disease. He has completed 43 funded research projects of the ICMR, CSIR, KSST, SBMR, ASIKC and University of Kerala. He has attended 26 international conferences, presented 134 guest lectures and scientific papers and chaired scientific sessions. He has presented over 850 scientific papers at National and regional conferences and published 395 papers in International, national and regional publications. Eleven of his students have been awarded Ph.D. degree by the University of Kerala. He has published eight books - three text books in Surgery, four research publications and one on history. He was the first surgeon from Kerala to pass the All India MAMS exam in 1977, first doctor to be awarded Ph.D. in the medical faculty (Urology) in 1991 by the Kerala University, first Surgeon to be awarded the Fellowship of the National Academy of Medical Sciences in Surgery from Kerala in 1999, first and only surgeon from Kerala to be honoured with the prestigious Pandalai Oration award in 2008, the highest award for any Surgeon in India, first doctor to receive the Fellowship of the Electron Microscopic Society of India in 2009 and the first and only Indian member of the International Consulting Committee on Urolithiasis. He is an Inspector of the Indian Medical Council and expert panelist of the Kerala State Council for Science, Technology and Environment. He was selected as best doctor of Kerala in 2000. He has delivered various other orations including Raghavachari Oration 2000, SX Charles Oration 2002, Kerala Urology Oration 2005 and SEMI Oration 2009.

He is President of the Association of British scholars Trivandrum branch, Secretary of the National Academy of Medical Sciences Kerala Chapter, Editorial Board Member of Urological Research and Journal of Endourology, peer reviewer for ICMR, SEM International, food microstructure, South African Journal of Biochemistry and allied journals, World Journal of Urology, Urologia Internationalis, International Journal of Urology, Journal of endourology, International Journal of Education and Research and Steering committee member of the International Urolithiasis Society. He is examiner for MBBS and MS General Surgery and adjudicator for evaluation of thesis for Ph.D. in various Universities all over the country. He is a Fellow of the International Medical Science Academy and Kerala Academy of Sciences. He is a member of the British Association of Urological Surgeons, British Medical Council, Society Internationale de Urologie and various national bodies.

He has been member of Academic Council, PG Board of studies and Member of the Faculty of Medicine, University of Kerala and Member of the Faculty of Medicine, Kannur University. As Nodal Officer for revision of medical curriculum, Kerala, he regularised all the medical and paramedical courses in the state. He organised a curriculum for MBBS and various post graduate medical degrees and diplomas. He was Chairman of the Association of Surgeons of India Kerala Chapter, President of the Association of Surgeons of India Trivandrum branch, President of the Association of British Council Scholars, Managing Director, Tamam Institute of Medical Sciences, Vice-Chairman, Centre for Research and Studies International (CRSI) and member, Board of Management, Vice President, Kerala Academy of Sciences, Vice President Urolithiasis Society of India, Secretary Urological Association of Kerala, Editorial Secretary Urolithiasis Society of India and executive committee member of various scientific organisations. He was the editor of the Kerala Surgical Journal from 1994 to 2000. He was awarded Commonwealth Medical Fellowship for training in Urology in England in 1983-1984. He has organized various chapter meetings, chaired sessions in several National and chapter meetings of ASI and has been adjudicator for deciding awards of ASI at the national and State level, National Academy of Medical Sciences, State Board of Medical Research, Kerala State Science and Technology, Urological Association of Kerala, Kerala Science Congress etc.

2. BIODATA

Dr. Y.M. Fazil Marickar, MS, MAMS, PhD (Urology), FAMS, FIMSA, FKAS,
Principal, Mount Zion Medical College, Chayalode, Adoor.
Shamier Manzil,
Mosque Lane, Kumarapuram,
Trivandrum. 695 011.

Phone: 0471- 2443891, Fax : 0471- 2443171.

Website: <http://fazilmarickar.vsplash.com>

email: fazilmarickar@hotmail.com

BIO DATA OF DR.Y.M.FAZIL MARICKAR 2015

Full Name : Dr. Y.M.Fazil Marickar
Expansion of initials : Yusuf Muhammed
Date of birth : 12th February, 1948
Sex : Male
Nationality : Indian
Marital status : Married, two children.
Residential Address : Shamier Manzil,
Mosque Lane,
Kumarapuram,
Trivandrum 695 011.
Hospital Address : Principal, Mount Zion Medical College,
Kollam.

Qualifications	Year of acquiring:	University
MBBS	1970	Kerala
MS	1976	Kerala
MAMS	1977	NBE
Ph. D (Urology)	1991	Kerala
FIMSA	1992	
FAS	1999	
FAMS	2000	
FEMSI	2009	

FIELD OF SPECIALIZATION : Surgery - Urolithiasis.
PRESENT APPOINTMENTS : Principal, Mount Zion Medical College,
Kollam.

TEACHING EXPERIENCE:

Senior Research Fellow of CSIR and PG for MS	Forty three years 1971 to 1974.
Tutor in Surgery, Medical College	1974 to 1980.
Assistant Professor of Surgery	1980 to 1985.
Associate Professor of Surgery	1985 to 1998.
Professor of Surgery	1998 to 2003
	2005 to 2010
Principal and Professor	2010 onwards

CLINICAL EXPERIENCE : Forty three years.
RESEARCH EXPERIENCE : Forty three years.
Senior Research Fellow (CSIR) - 3yrs - 1971 – 1974.
Post Doctoral Fellowship (CSIR) - 1976
Urolithiasis research from 1971 onwards.
Guided Eleven Ph.Ds from Kerala University.
Conducted 42 funded research projects
Guided 66 student projects

ATTENDANCE AT MEDICAL CONFERENCES

Attended 265 Medical Conferences at local,
National and International levels 1972 to 2015.

AWARDS/ HONOURS/ DISTINCTIONS CONFERRED BY INTERNATIONAL AGENCIES

- First and only Indian member of the International Consulting Committee on Urolithiasis since 1988.
- Commonwealth Medical Fellowship for one year's training in Urology in England in 1983-1984
- II prize for the best paper. British Association of Urological Surgeons Annual Meeting 1985. Eastbourne, UK.
- Attended 22 international conferences, where he has given guest lectures, presented 132 papers and chaired scientific sessions.
- Fellowship of the International Medical Science Academy
- Member of the British Association of Urological Surgeons.
- Member of British Medical Council,
- Member of Society Internationale de Urologie.
- Editorial board member of Urological Research
- Editorial board member of Journal of Endourology
- Peer reviewer for SEM International, food microstructure and allied journals.
- American Medal of Honor, 2002
- International Medical Excellence Award and Gold Medal 2002.
- Editorial board member of African Journal of Biochemistry Research
- Outstanding Urolithiasis researcher of Asia Award, 2009.

FIRSTS TO HIS CREDIT

- First Senior Research Fellow of CSIR in Medicine in Kerala 1971.
- Obtained the first Post doctoral fellowship of the CSIR in 1976.
- First surgeon from Kerala to pass the All India MAMS exam in 1977.
- First doctor to be awarded Ph. D. in the medical faculty (Urology) in 1991 by the Kerala University.
- First Surgeon to be awarded the Fellowship of the National Academy of Medical Sciences in Surgery from Kerala in 1999.
- First editor of the Kerala Surgical Journal from 1994 to 2000.

- First and only Indian member of the International Consulting Committee on Urolithiasis since 1988.
- First and only Indian to be Editorial board member of Urological Research.
- First and only Indian to be Editorial board member of Journal of Endo Urology.

AWARDS/ HONOURS/ DISTINCTIONS CONFERRED BY NATIONAL AGENCIES

- Awarded post doctoral research fellowship of the CSIR in 1976.
- Was the first Surgeon from Kerala to pass the All India MAMS exam in 1977.
- Is Peer reviewer for ICMR.
- Completed 100 research projects of the ICMR, CSIR, KSST, SBMR, ASI KC and University of Kerala (42 funded).
- Twelve Research grants Awards, ASI KC.
- Fellowship of Academy of Medical Sciences
- Fellowship of Kerala Academy of Sciences
- Was the first doctor to be awarded Ph. D in the medical faculty (Urology) in 1991 by the Kerala University.
- Awarded Komaranchath Urology Prize for best paper published in 1987 by Kerala Urological Association.
- Best paper XIX National Seminar on Crystallography, Changanachery 1987.
- Supervisor teacher for Ph. D in medical research 1989.
- Best Paper Presentation – Dr. Joseph Thomas, Fazil Marickar.
- Best Paper Presentation – Dr. Krishna Moorthy H, Fazil Marickar, ASI South Indian Regional Conference 6th October 1990 – Kottayam. “Abuse of drugs in Urolithiasis”.
- Best Paper Presentation – Dr. H Krishna Moorthy, Fazil Marickar. 6th October 1991. ASI Peripheral meeting Kangazha, ‘Conservative management of upper ureteric stones’.
- Kerala Government best doctor award in 2000.
- Delivered the prestigious Prof. Raghavachari Oration of the ASI Kerala Chapter in 2000.
- Man of the year 2000
- Bharat Excellence Awards and Gold Medal 2000
- Delivered the Dr. S.X. Charles Endowment Lecture Award 2002
- Man of the year 2002
- “National’s Health Excellence Award” 2003.
- Chikitsak Gayan Jyothi Award 2004
- Awarded the Kerala Urology Oration 2005.
- Life Time Health Achievement Award 2005.
- Rashtriya Vikas Jyothi Award 2005
- Life time education achievement award.2005.
- Life time achieve gold medal award 2005.
- Rashtriya Vikas Ratan Award with medal 2006
- Chikitsa Rattan Award 2007
- Awarded the prestigious Pandalai Oration of the Association of Surgeons of India - 2008.
- Awarded Komaranchath Urology Prize for best paper published in 2009 by Kerala Urological Association.

ACADEMIC ACHIEVEMENTS

- Was the editor of the Kerala Surgical Journal from 1994 to 2000.
- Was member of Academic Council University of Kerala 1988 to 1992
- Was member PG Board of studies University of Kerala 1998 to 2000
- Currently member of the Faculty of Medicine of the Kannur University. 2007 -
- Currently member of the Committee for organizing Constitution of the Association of Surgeons of India
- Was member of the Faculty of Medicine of the University of Kerala 1999 to 2007
- Was Nodal Officer for revision of medical curriculum, Kerala 1997 to 2003.
- Regularised all the medical and paramedical courses in the state.
- Organised a curriculum for MBBS and various post graduate medical degrees and diplomas.
- Was Chairman of the Association of Surgeons of India Kerala Chapter.
- Was President of the Association of Surgeons of India Trivandrum Branch.
- Was President of the Association of British Council Scholars.
- Was Vice-Chairman, Centre for Research and Studies International (CRSI).
- Was Vice President, Kerala Academy of Sciences.
- Organising secretary of the II National Conference of the Urolithiasis Society of India in 1983.
- Was awarded Fellowship of the National Academy of Medical Sciences in 1999.
- Currently Secretary of the Kerala Chapter of National Academy of Medical Sciences.
- Ten students have been awarded Ph. D degree.
- Presently is guide for 5 Ph. D. students.
- Is examiner to evaluate thesis for Ph. D. and M.S. in various Universities all over the country.
- Is an Inspector of the Indian Medical Council.
- Is an expert panelist of the Kerala State Council for Science, Technology and Environment.
- Three text books in Surgery are approved text books for MBBS in the Universities of Kerala.
- Has written a chapter in "Essentials of Urology and Nephrology".
- Member of Selection board of Kerala Public Service Commission for Surgery
- Editorial board member of Urological Research
- Editorial board member of Journal of Endourology
- Organising Chairman of Association of Surgeons of India Kerala Chapter Peripheral Meet 2006.

SPECIAL CONTRIBUTIONS TO ADMINISTRATIVE/NATIONAL PROGRAMME.

Member of Academic Council, University of Kerala 1988-1992.

Member of PG Medical Board of Studies, University of Kerala 1998 - 2000

Nodal Officer for revision of Medical Curriculum, Kerala 1998 - 2003

Member of the Faculty of Medicine, University of Kerala 1999 – 2007

Member of the Faculty of Medicine, Kannur University 2007 - continuing.

CONTRIBUTIONS TO PROFESSIONAL ASSOCIATIONS.

- a. Member of the International Consulting Committee on Urolithiasis. - First and only member from Asian region.
- b. Editorial board member, Urological Research Journal 2002 - continuing
- c. Vice Chairman, Centre for Research and Studies International (CRSI) and member, Board of Management.
- d. Editorial board member of Journal of Endo Urology
- e. Was Vice President, Kerala Academy of Sciences.
- f. Was Editor, Kerala Surgical Journal.
- g. Was Executive Committee Member, Indian Association of Crystallogrists.
- h. Was Senior Associate of UGC-Anna University Inter University.
- i. Was Honorary Secretary, Urolithiasis Society of India.
- j. Was Honorary Secretary, Kerala Urological Association.
- k. Was Honorary Editorial Secretary, Kerala Urological Association.
- l. Was Editorial Secretary of Urolithiasis Society of India.
- m. Was Executive Committee Member, Urolithiasis Society of India.
- n. Was Executive Committee Member, Kerala Chapter, Urolithiasis Society of India.
- o. Was Executive Committee Member, Indian Association of crystal growth.
- p. Was Honorary Secretary, Life Science Chapter, Kerala Academy of Sciences.
- q. Editorial board member of African Journal of Biochemistry Research

SPECIAL CONTRIBUTIONS TO EDUCATION.

Was guide for Eleven Ph. D students in the University of Kerala

Guide for Post graduates in surgery for thesis.

Recognised undergraduate and post graduate teacher in surgery

External examiner to evaluate thesis for M.S. General Surgery of the PGIMER, Chandigarh, MGR Medical Univeristy Chennai, MAHE, Manipal etc.

Post graduate and Under graduate examiner in Surgery, Kerala, Tamil Nadu, Manipal.

Adjudicator for Ph. D degree in various Universities

Organised the II National Conference of the Urolithiasis Society of India, at Trivandrum in 1983.

Over 200 national and 30 overseas delegates participated

Organised Symposium on treatment of ureteric colic in 1983 in Trivandrum under the auspices of Kerala Chapter Urolithiasis Society of India

Organising Chairman of Association of Surgeons of India Kerala Chapter Peripheral Meet 2006.

Editor of Kerala Surgical Journal (1994 -2000)

Conducted Symposium on Medical Research in the service of mankind - 1992

Conducted workshop on How to start Medical Research – 1993

Editor of SBMR Research reports –2000.

OTHER RESEARCH ACTIVITIES

1. Peer reviewer for ICMR projects.
2. Reviewer for SEM International, food microstructure and allied group of journals.

3. Presented 132 papers in twenty International Conferences.
 - a. *5th Int. Meeting on Urolithiasis* : *Garmisch, FRG, 1984 (4 papers)*
 - b. *Annual meeting British Association of Urological Surgeons (BAUS)* : *Eastbourne, UK, 1985 (one paper)*
 - c. *SEM International Meeting* : *Minnesota, USA, 1986 (2 papers)*
 - d. *SEM International Meeting* : *Hamilton, CANADA, 1987 (2 papers)*
 - e. *Annual Meeting BAUS* : *Liverpool, UK, 1988 (one paper)*
 - f. *6th Int. Meeting on Urolithiasis* : *Vancouver, CANADA, 1988 (14 papers)*
 - g. *7th Asian Surgeons' Congress* : *Kuala Lumpur, 1989 (3 papers)*
 - h. *SEM International Meeting* : *Washington, USA, 1990 (2 papers)*
 - i. *10th International Crystal Growth Conference* : *California, USA, 1992 (2 papers)*
 - j. *7th International Symp. on Urolithiasis*: *Cairnes, Australia, 1992 (27 papers)*
 - k. *Annual conference of the Association of European Urolithiasis* : *Stockholm, Sweden, 1995 (3 papers)*
 - l. *11th International Crystal Growth Conference* : *Hague, the Netherlands, 1995 (3 papers)*
 - m. *8th International Symp. on Urolithiasis*: *Dallas, Texas, USA, 1996 (16 papers)*
 - n. *Conference of European Association of Urology* : *Stockholm, Sweden, 1999 (invited lecture)*
 - o. *9th International Symp. On Urolithiasis*: *Cape Town, S. Africa, 2000 (9 papers)*
 - p. *4th Congress of Nephrology, Urology, Transplantation Society of SAARC countries*: *Karachi, Pakistan 2001 (3 papers)*
 - q. *10th International Symp. On Urolithiasis*: *Hongkong, 2004 (6 papers)*
 - r. *3rd European Symposium on Urolithiasis*, *Istanbul, 2003 Turkey (11 papers)*
 - s. *4th European Symposium on Urolithiasis*. *Coburg, 2005 (11 Papers).*
 - t. *9th Congress of Asian Society of Transplantation. Karachi, Pakistan 2005 (2 papers)*
 - u. *11th International Symp. On Urolithiasis*: *Nice , France, 2008 (20 papers)*
 - v. *6th European Symposium on Urolithiasis*. *Como, Italy 2009 (14 Papers).*
4. Presented 650 papers in Scientific Conferences (Listed below).
5. Published 305 articles in Medical Journals - State, National and International.
6. Awarded Ph.D in Urology in the Faculty of Medicine, 1991. This was first ever award by the University of Kerala for a medical doctor in a clinical subject.
7. Awarded Fellowship of International Medical Sciences Academy in 1992.
8. Awarded Fellowship of Kerala Academy of Sciences in 1999.
9. Awarded Fellowship of the National Academy of Medical Sciences, 2000.
10. Wrote a chapter on Urinary Stones in "Essentials of Urology and Nephrology" (Ed.) Visweswaran R.K. B.I. Churchill Livingstone, New Delhi, 1994.
11. Chaired session in 6th Intl. Conference on Urolithiasis in Vancouver, Canada, 1988.
12. Chaired Scientific Session in 7th Intl. Conference on Urolithiasis - Cairns, Australia, 1992.
13. Chaired Scientific Session in 8th Intl. Conf. on Urolithiasis in Dallas, Texas, USA 1996.
14. Chaired Scientific Session in 9th Intl. Conf. on Urolithiasis in Cape Town, S. Africa, 2000.
15. Was Chairman in various scientific sessions in various National and State Conferences.

MEMBERSHIP OF SCIENTIFIC BODIES

British Association of Urological Surgeons
British Medical Council
Society Internationale de Urologie
International Medical Sciences Academy
International Urolithiasis Society (Steering Committee member)
Hon. member Association of Kerala Medical Graduates of North America
Association of Surgeons of India
Urological Society of India
Urolithiasis Society of India
Indian Association of Crystal Growth
Indian Medical Association
National Academy of Medical Sciences
Kerala Academy of Sciences
Kerala Govt. Medical College Teachers Association
Indian Association for Medical Informatics
Centre for Research and Studies International (CRSI)
Centre for Interdisciplinary Research Studies (CIRS)
Society for Promotion of Excellence in Education (SPEED)
Fellow of the Electron Microscopic Society of India

CONTRIBUTIONS TO ADMINISTRATION

1. Secretary, Literary Association, Intermediate College, 1964 - 1965.
2. Convener Trivandrum District Planning Forum Committee 1967 - 1968.
3. President Muslim Students Association 1967 - 1968
4. Secretary Medical College Planning Forum 1967 - 1968.
5. Assistant warden House Surgeons' quarters 1980 - 1984
6. Medical officer in charge medical illustration 1981 - 1992
7. Bulletin editor, Kerala Government Medical College Teachers Association, 1986 - 1989.
8. President Muslim Jama ath Kumarapuram, Trivandrum 1987.
9. Secretary, Rotary Club of Trivandrum North 1987 - 1988.
10. President, Rotary Club of Trivandrum Suburban 1988 - 1989.
11. Medical officer in charge Emergency laboratory 1989 - 1998
12. Medical officer in charge Casualty laboratory 1989 - 1998.
13. Medical officer in charge Surgical laboratory 1989 - 1998.
14. District Chairman, Rotary project Leprosy eradication 1989 - 1991, 1991-1992.
15. Medical officer in charge Surgical research laboratory 1989 - 1998.
16. Treasurer, Rotary Club of Trivandrum Suburban 1990 - 1992.
17. District Chairman, Rotary youth leadership awards 1991 - 1993.
18. Medical officer in charge Surgical research division 1991 - 1998.
19. Registrar, Department of Surgery 1993 - 1994.
20. Convener, Faculty of surgical Sciences 1994 - 1997.
21. Editor, Kerala Surgical Journal, 1994 - 2000.

22. District Chairman, Vocation Service, Rotary District 3210 1996 - 1997.
23. District Chairman, District Awards Committee, Rotary District 3210 1998 - 1999.
24. Nodal Officer, Reorganisation of undergraduate Medical Curriculum 1998 - 2003
25. Nodal Officer, Reorganisation of postgraduate Medical Curriculum 1998 - 2003
26. Nodal Officer, I.P. admissions in MCH, Trivandrum 1997-1998.
27. Nodal Officer, Directory of Research Projects, Medical College, Trivandrum 1998 - 2003
28. Nodal Officer, Publication of Research Projects of State Board of Medical Research, Kerala 1998 - 2003
29. District Chairman - awards committee - Rotary District 3210 1998 -1999.
30. District Chairman – Task force on Health Care - Rotary District 3210 2004 - 2005
31. District Chairman – Rotary District 3210 2005 - 2006
32. District Chairman – Four Way Test - Rotary District 3210 2006 - 2007
33. District Chairman – Rotary Information - Rotary District 3210 2007 - 2008
34. District Chairman – Rotary District 3211 2008 - 2009
35. District Chairman – Vocational Service District 3211 2009 – 2010.
36. District Chairman – Permanent Fund Rotary District 3211 – 2010 – 2011.
37. Medical Superintendent, Azeezia Medical College 2009 – 2010
38. Principal, Azeezia Medical College 2010 – continuing.

SCIENTIFIC CONTRIBUTIONS WITH REFERENCE TO PUBLISHED WORK

Has undertaken extensive studies on various aspects of urolithiasis including epidemiology in Kerala (Marickar et al, 1977, Marickar, 1983), biochemical study of stones (Marickar et al, 1976, Hyacinth et al, 1984), X-ray crystallography (Das & Fazil, 1975), and spectrophotography (Marickar et al, 1976). By a qualitative and semiquantitative analysis of trace elements in stones, titanium was identified as a constant component of stones obtained from the coastal belt of Kerala (Marickar et al, 1976). Scanning electron microscopic study of the surface and inside of the stones (Hyacinth et al, 1983, Peter Koshy et al, 1983, Hyacinth et al, 1984) has yielded new knowledge about the crystalline pattern of surface and inside of stones and the matrix. Various chemotherapeutic and chemoprophylactic drug regimes have been undertaken with long term follow up (Marickar et al, 1983, Marickar et al, 1985). A new formula was worked out to identify the role of diet in stone patients and avenues for giving dietetic advice for patients. (Marickar et al, 1985). A retrospective long term follow up (mean of fourteen years) done on 200 hypercalciuric stone patients identified lack of correlation between urine calcium levels and clinical and radiological stone activity (Marickar and Rose, 1985). Crystals found in human urine namely whewellite, weddellite, struvite, brushite, apatite, octocalcium phosphate and newberyite have been grown in vitro in silica gel media (Hyacinth et al, 1985, Marickar and Koshy, 1987). Uric acid crystals were grown for the first time in silica gel medium. Patients' urine has been found to have lack of inhibitor action on crystal growth in vitro (Vathsala et al, 1989). Various inhibitors and promoters in the environment altered pattern of crystal growth (Marickar, 1991). The role of oral citrates in preventing uric acid and calcium oxalate crystal and stone formation was established (Marickar, 1993).

PROFESSIONAL ACHIEVEMENTS WITH SPECIAL REFERENCE TO DEVELOPMENT OF NEW TECHNIQUES

1. Developed a new concept for identifying calculogenic potential of diet of stone patients.

2. Developed a new computer program for assessing nutrient content of food materials consumed by individuals. This user friendly programme can be easily modified according to needs of user.
3. Advanced a new technique for studying inhibitory effect of human urine on growth of crystals in vitro by incorporating in silica gel crystal growth medium.
4. Developed new technique to do histochemical staining procedures to identify fibrous matrix materials in human urine.
5. Developed a new technique to study of various drugs/ plant extracts on promoting or inhibiting crystal growth.
6. Initiated new treatment modalities for treatment of different biochemical varieties of stones.
7. Developed a neural network model for identifying risk index for stone formation from the biochemical values of stone patients.
8. Developed a computer program for crystal structure.
9. Developed a program in diagnos shell for calculating risk index from clinical parameters.
10. Developed a new silica gel technique for growing urinary oxalate and uric acid crystals.
11. Developed a statistical model for identifying risk index of stone formation.

3. RESEARCH PROJECTS UNDERTAKEN

CONTRIBUTIONS TO RESEARCH PROJECTS

Completed 42 funded research projects.

- a. Chief Investigator of ICMR adhoc Research Project on study of the Incidence and competition of Urinary stones in Kerala (1981 -1984)
- b. Chief investigator for ICMR adhoc project on Recent trends in the aetiopathology of Urolithiasis (1991 - 1994).
- c. Chief Investigator for for ICMR adhoc project on Role of drinking water and diet on Urolithiasis (2000 - 2003).
- d. Chief investigator of three projects Kerala State Committee on Science, Technology and Environment, 1985-1986 and 1986- 1987 and 1990-1992.
- e. Investigator of six Projects of University of Kerala 1986-1987, 1987-88, 1988-89, 1989-90, 1990-91 and 1991-92.
- f. Four research projects of Kerala State Board of Medical Research 1987-1988, 1989-1990, 1996-1997, 1997-1998.
- g. Twelve research grant awards for research projects sponsored by the Association of Surgeons of India, Kerala Chapter - 1988, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1998, 1999 and 2000.

RESEARCH PROJECTS AND GRANTS

1971

Senior Research Fellowship CSIR. Epidemiological clinical and Biochemical study of urinary stones. By Dr. YM Fazil Marickar 1971-1974.

1976

Post Doctoral Research Fellowship. Dr. YM Fazil Marickar 1976.

1981

ADHOC Project ICMR. Study of the incidence and composition of urinary stones in Kerala. Chief Investigator: Dr. YM Fazil Marickar, Co. Investigator: Dr. B.K Easwara Pillai, Research Fellows: Dr. Rajamohanan, Dr. Hyacinth Paul, Dr. Balagopalan Nair, Dr. Salahudeen, Ganga, Lucy Peter, Sachidev. 1981-1984.

1983

ICMR Project 1983 – 86, Hyacinth Paul on Biochemical study of Urolithiasis.

1985

KSST Project 1985-1986. Sachidev, Study of the stone forming propensity of the Urolithiasis patient. Investigators: Prof. OS Menon, Dr. YM Fazil Marickar, 7-6-1985 to 6-6-1986.

Association of Surgeons of India Kerala Chapter. Study of the ultra structure of urinary calculus. Principal investigator YM Fazil Marickar. 1985.

1986

KSST. Clinical and Biochemical study of Urinary crystal growth. Dr. YM Fazil Marickar, Prof. OS Menon, Annie George, Sindhu S.

CSIR Dr. Joseph Thomas. 1986-1988.

SBMR Identification of hereditary metabolic abnormalities in patients with urolithiasis.

1987

ICMR Recent trends in the aetiopathology of Urolithiasis in Kerala.

Research work in science, humanities and social sciences, University of Kerala. Clinical and biochemical aspects of urinary stone disease in Kerala. Kerala University. 1987-1988.

1988

Association of Surgeons of India grant. Assessment of inhibitory capacity of normal urine.

Grant for research work in science, humanities and social sciences, University of Kerala. Identification of congenital abnormalities in patients with urinary stones in Kerala .

Kerala State Research Board. 1988-1989. Sachidev

Kerala Univeristy. 1988-1989.

ASI Kerala Chapter. Research grant 1988.

ICMR Project. S. Sindhu 1988-1991.

CSIR Senior Research Fellowship. Dr. S Vasudevan 1988 - 1991.

SBMR Research project 1989-1990. Sachidev

1989

CSIR. Senior Research Fellowship. Dr. Krishna moorthy. The Role of calculogenic and anticalculogenic agents in experimental Urolithiasis. 1-5-89 to 31-12-92.

Association of Surgeons of India grant. The change of inhibitor activity of urine after administration of various diets and drugs.

Kerala Univeristy. Dietary calcium oxalate ratio and circadian rhythmicity in urinary stone patients. Departmental Grant 1989-1990.

1990

Kerala State Science and Technology Project. 1990-1992 (2 years). Vathsala, Sachidev, Sunitha, Radhika, Saleena.

Junior Research Fellowship. Vatsala KR, Kerala University. 1990-1993.

ICMR- Adhoc Project. Modern trends in the achiopathogenesis of urinary stones in kerala. 1-2-1991, Dr, Sapna V Roshni, S, Sindhu, Umar Farook, Lekha, Bindhu, Radhika, Dr. Fazil Marickar, Dr. Easwara Pillai, Aravindakshan Menon.

Identification of biochemical abnormalities in stone patients in Kerala. Principal investigator YM Fazil Marickar.

Asmareeghna Property of Scoparia Dulicis Linn. By Alphona PJ 1990.

Grant for research work in science, humanities and social sciences, University of Kerala. Role of diet in altering the biochemistry of the urinary stone patients.

1991

Senior Research Fellowship of ICMR to Dr. Neena Elizabeth Thomas from 1991 to 1994.

Kerala University. Grant for research work in science, humanities and social sciences, University of Kerala. Modern trends in etiopathogenesis of stone disease. Departmental grants. 1991-1992.

Association of surgeons of India, Kerala Chapter grant. Allopurinol in Urolithiasis 1991-1992.

SBMR State Committee on Science, Technology and Environment. Role of diet in altering the biochemistry of stone patients. Chief Investigator Dr. YM Fazil Marickar, Co investigator DR. Eswara Pillai 1991-1992.

Technical co-operation of Japanese Government. Urolithiasis Prophylaxis and conservative therapy – clinical and basic aspects. Dr. YM Fazil Marickar, Dr. Eswara Pillai BK. 1991.

ICMR. Alternation in Morphology of urinary crystals grown in vitro after administration of drugs. Dr. Sindhu S. Period 01-07-1991 to 30-06-1994. Ref No: 45/32/90 BMS. IRIS ID No. 9002650.

1992

ASI Kerala Chapter Magnesium levels in urine related to the magnesium intake and magnesium content of water 1992-1993.

ICMR. Mechanism of growth and Physical properties of urinary crystals- Differences between in vitro and in vivo set up. Chief Investigator S. Sindhu, Junior Research Fellow, Dr. YM Fazil Marickar (Guide) 1992.

1993

Fine needle aspiration biopsy of Cervical Lymphadenopathy by Dr. Biju B. Dr. YM Fazil Marickar 1993.

ASI Kerala Chapter 1993-1994.

Prohylaxis and conservative Therapy clinical and basic aspects. Principal investigator YM Fazil Marickar, Co investigator Prof. OS Menon.

Pyomyositis; A clinical and investigative profile by Dr. Ajaiya Kumar SK, Guide Dr. YM Fazil Marickar, Co.guide Dr. M Samanda Bhadrans. 1993 – 1996.

Role of Diet in the calculogenic activity of urinary stone patients. By Kumari Vathsala R 1993. University of Kerala.

University of Kerala. Nutrition in Urolithiasis. Chief Investigator Valhalla KR, Junior Research Fellow, Co investigator Dr. YM Fazil Marickar (guide).

Recent trends in the aetiopathology of urinary stone disease – Ad hoc project of the ICMR. Chief Investigator Dr. Fazil Marickar.

Urinary electrical conductivity and biochemical risk factors in urolithiasis. Association of Surgeons of India Kerala Chapter. Chief Investigator Dr. Fazil Marickar.

University of Kerala. Effect of Veeratharadi on Urolithiasis

1994

ICMR. Role of citric acid containing diets and oral citrate containing urinary crystalluria urinary citrate. Chief Investigator Dr. Neena Elizabeth Thomas, Co investigator Dr. YM Fazil Marickar (guide).1994-1997

Computer program for drawing crystal habit (Crystal Steriography) by Anitha S and Shaminshad Beegam M 1994, Guide Dr. YM Fazil Marickar.

The Role of indigenous drugs in experimental urolithiasis. By C Aravindakshan 1994.

Association of Surgeons of India grant. Role of Vitamin B6 in Chemoprophylaxis of urolithiasis.

1995

A study on the combined effect of *Rotula Aquatica* Lour and *Scoparia Dulicis* Linn on Mootrasmari (Urolithiasis). By VM Savithri Menon. 1995, Co- supervisor Dr. YM Fazil Marickar.

Tissue changes in rat on administration of various anticalculogenic ayurvedic drugs. Chief investigator. N Sylaja, Co investigator Prof. Alphonse Legori.

Characterisation of crystal growth in different environments. Investigator Dr. YM Fazil Marickar, Co-investigator C. Aravindakshan.

1996

Neural Network approach for assessing the calculogenic risk. By Indu Prabhakaran, Brinda Prabhakaran 1996. guide Dr. YM Fazil Marickar.

Expert system for creating artificial intelligence for management of stone disease. Collaborative work with Electronics Research and Development Corporation. Trivandrum Chief Investigator Dr. YM Fazil Marickar.

1998

Statistical studies on urinary stone formation. by Jayadevan S 1998.

Therapeutic efficacy of ultrasound guided hydrostatic saline reduction in childhood intussusception by Dr. O Vasudevan 1998 – 2001.

Efficacy of FNAC in the diagnosis of Thyroid Swellings by Dr. Jawahar Babu CR. 1998 – 2001.

Application for grant and in aid for research project DR. BC Roy, Research fund. Biomineralization clinical and physiochemical aspects. Principal investigator Dr. YM Fazil Marickar, Co- investigator Prof. OS Menon.

Retroperitoneal Tumours a clinico – pathological study. by Dr. Sulfikar MS, 1998-2001.

An epidemiological study of diabetic foot among patients with diabetes mellitus and relevance of risk factor identification in prevention by Mary PA (SR Udaya). Dr. YM Fazil Marickar, 1998.

A Clinical study on the combined effect of Pashanabheda, Matsyakshaka and Gokshurakshara in Mootrasmari. By Maya R Shenoy 1998.

Inhibition of Biomineralization. Investigator Dr. YM Fazil Marickar, Co investigator Dr. BK Eswara Pillai.

1999

Efficacy of the Apache II Scoring system in predicting outcome in a critically ill surgical patient by Dr. Vijay Paul Thomas. Guide Dr. YM Fazil Marickar 1999-2002.

Significance of Resistive index in evaluation of Hydronephrosis by Dr. Jeffrey John. Dr. YM Fazil Marickar. 1999-2002.

Adult Choledochal Cysts A Comprehensive Analysis by Dr. Anil Thomas George. DR. YM Fazil Marickar 1999 – 2002.

Clinical study of splenic injury in blunt abdominal trauma by Dr. Sankara Narayanan G. Dr. YM Fazil Marickar 1999 – 2002.

A Comparative study of single stage and multistage procedures in hypospadias and their complications by Dr. Biju PR. Dr. YM Fazil Marickar 1999 – 2002.

Serum anaylase in perforated peptic ulcer by DR. VenkataramaReddy V. Guide Dr. YM Fazil Marickar, 1999-2002.

Association of Surgeons of India Kerala Chapter. Infrared analysis of urinary stone by Dr. YM Fazil Marickar. 1999

2000

SBMR Identification of hereditary metabolic abnormalities inpatients with Urolithiasis. DR. YM Fazil Marickar.

SBMR The relevance of Tamm-Horsfall mucoprotein in the genesis of urinary stone formation. R. YM Fazil Marickar 1996 to 1997.

SBMR Collectionof data on in patient admission alone in Medical College, Trivandrum. Dr. YM Fazil Marickar.

SBMR. Directory of research projects in the Medical Colleges. Dr. YM Fazil Marickar. 1998 to 1999

Instructional Module for patients with Urolithiasis. Prepared by Stella Antony. Directions given by Dr. YM Fazil Marickar.

STEC. Role of diet in altering the biochemistry of the stone patient. Project proposal from Dr. Fazil Marickar YM.

Department of planning and economic affairs the scientific research fund. Inhibitors of crystallization – A clinical and biochemical study. Dr. YM Fazil Marickar, Prof. OS Menon.

STEC. Alteration in phosphate crystal growth pattern invitro in silica gel with environmental changes. YM Fazil Marickar

ICMR. Recent trends in the role of Diet and Drinking water in Urolithiasis. Dr. YM Fazil Marickar. 2000 – 2003.

MS Thesis. Comparative analysis of operative versus conservative management of Entrocutaneous Fistulae by Dr. Sobha Jasmine S. Guide Dr. YM Fazil Marickar. 2000 – 2003.

Management of 100 consecutive cases of undescended testis – prospective study by Dr. Santhosh Varghese. Dr. YM Fazil Marickar 2000 – 2003.

Survival and quality of survival following surgical management of Malignant obstructive Jaundice by Dr S Jayakumaran. Dr. YM Fazil Marickar 2000 – 2002.

2001

Role of endocrine pancreas in experimental urolithiasis. By TG Dhanalekshmi 2001. Guide Dr. YM Fazil Marickar.

Effect of Streptozotocin on urolithiasis. By Jayan S. 2001-2003 Guide Dr. YM Fazil Marickar.

2002

Scanning Electron Microscopic differences between crystals grown invitro in different water samples consumed by patients having urolithiasis by Dr. Mufaddal Fakhruddin, Dr. Anil Neelakantan 2002. Under the guidance of Dr. YM Fazil Marickar.

2003

Randomized control trial to measure the efficacy of preoperative counseling on psychosocial problems of patients following mastectomy. By Bincy R. 2003. Guide Dr. YM Fazil Marickar.

2004

A study of Menstrual hygiene and related physical and psychosocial problems among adolescent girls of Trivandrum. By Suvarnaletha Devi K. Guide. Dr. YM Fazil Marickar. 2008.

‘The Pattern Of Stress Management In The Bsc Nursing Students' Association of Surgeons of India Kerala Chapter Research grnat 2014 by Dr. YM Fazil Marickar 2014 – 2015.

4. STUDENTS, RESEARCH FELLOWS

CANDIDATES AWARDED Ph. D. DEGREE BY THE UNIVERSITY OF KERALA.

Dr. Hyacinth Paul
Dr. S. Sindhu
Dr. KR. Vathsala
Dr. Aravindaksha Menon
Dr. Dhanalekshmi
Dr. K. E. Elizabeth
Dr. Jayadevan
Dr. Sailaja
Dr. Bincy
Dr. Rema devi.
Dr. Suvarnalatha Devi
Dr. Sudhamoni

CANDIDATES SUBMITTED THESIS Ph. D. DEGREE.

Dr. Jayakumari
Shamna

CURRENT LIST OF CANDIDATES WORKING FOR Ph. D. in the Kerala University.

Letha Devi
Dr. Sursh Kumar
Dr. RS Sindhu

Radhika Sreedhar

Candidates applied for registration. Dr. Rajendran, Jessy, Bijo Elsy, Dr. SK Ajayakumar

SUPERVISING TEACHER FOR RESEARCH FELLOWS

Dr. Joseph Thomas - SRF of CSIR 1985 - 1988.
Dr. S. Vasudevan - SRF of CSIR 1986 - 1989.
Dr. H.Krishna Moorthy - SRF of CSIR 1988 - 1993.
Ms. S. Sindhu - JRF and SRF of CSIR 1987 - 1994.
Dr. Neena Elizabeth Thomas - SRF of ICMR 1991 - 1994.
Ms. K.R. Vathsala - RF of University of Kerala 1990 - 1994.
Dr. Ajaya Kumar - State Committee on Science, Technology and Environment - 1995
Dr. Sivaprasad - State Committee on Science, Technology and Environment - 1996
Ms.Dhanalekshmi - RF of University of Kerala 1996 – 2000.
Dr. Aravindakshan for Ph. D
Dr. Hyacinth Paul for Ph. D
Dr. K.E. Elizabeth for Ph. D
Dr. K Raja Mohan – SRF of ICMR Project
Dr. Balagopalan Nair – SRF of ICMR Project
Dr. George Thariyan – SRF of ICMR Project
Dr. Salahudeen – RF of ICMR Project
Dr. Mathew KG – RF of KSST Project
Dr. Sobha John
Dr. Rajendran
Dr. Annie George- RF of KSST Project
Dr. R.S. Sindhu
Dr. Sapna V Roshini – RF of ICMR Project
Dr. Girija R
Dr. Feisal
Dr. KP Thomas - RF of KSST Project
Dr. GI Sapna
Dr. Jayadevan – for Ph. D
Dr. RS Sindhu
Dr. Vino John Daniel – Student project of ICMR
Dr. Jayan Stephen – SRF of ICMR
Dr. Anil Chandran - RF of ICMR
Dr. Sylaja- for Ph. D
Dr. Dhanalekshmi TG - for Ph. D
Dr. Bincy - for Ph. D
Dr. Rama Devi - for Ph. D
Dr. Suvarnalatha - for Ph. D
Dr. Adarsh
Dr. Bibilash
Ms. Abiya Salim – Community Medicine Project

Ms. Gayathri Varma – Community Medicine Project
Mr. Nandhu Nair – Community Medicine Project
Ms. Jasmin A – Community Medicine Project
Ms. Nayana – Community Medicine Project
Ms. Bihina – Community Medicine Project
Ms. Hamna
Ms. Geethanjali
Ms. Usha Devi
Ms. Lakshmi

Staff who worked in Urolithiasis Research Project

- Ragini
- Ammini Peter
- Sachidev
- Ganga Devi
- Sunitha
- Radhika OS
- Manjusha S
- Sindhu PN
- Saleena Beevi S
- Bindhu OS
- Lekha
- Susannamma
- Ajikumar
- Beena PR
- Preetha Rani IP
- Umarfaruq A
- Sheena A
- Sheeba
- Leela Kumari
- Rosamma Joseph
- Jayalekshmi
- Sharmila
- Roy MG
- Merina E
- Ushakumari S
- Sumukhi Amma CS
- Mary Jessy P
- Suju Kumari L
- Radhakrishnan Nair G.B
- Shanavas KS
- Sudha R
- Beena YS
- Sreelekha S
- Bindhu RR
- Sheeba MS
- Saja SA
- Sailaja Devi G
- Rekha US
- Saneela S
- Reena RS
- Vinod Kumar KB
- Suresh AS
- Shyam SS
- Sree Kumar M
- Anil Kumar C
- Ajith Govind S
- Sharath SB
- Rajesh L
- Sree Devi S
- Mini Michael
- Sunitha CK
- Rani B
- Bijunath A
- Madhuri VK
- Sivan C
- Puthiyal S
- Mallika L
- Vijitha VV
- Sindhu L
- Mary Bindu PV
- Vinod H
- Radhika C
- Manoj Lal M
- Amritha Leela B
- Sheeja S
- Lekhakumari KR

- Renjitha V
- Rajani VP
- Sunitha V
- Sreeba S Nair
- Sreeja S Nair
- Radhika VK Nair
- Laila Rafi
- Chithra JS
- Sajitha Niyaz
- Aswathy NS
- Syamini RS
- Jasmin Majeed

**5. CONFERENCES ATTENDED 1972 TO 2009
INTERNATIONAL, NATIONAL, REGIONAL**

1972

National seminar on Medical Education Scientific Session. August 12th 1972, Trivandrum. Presented 1 paper.

1974

33rd National Conference of Association of Surgeons of India. January 27th – 30th 1974, Trivandrum. Presented 2 papers

1977

37th National Conference of Association of Surgeons of India. December 27th - 30th 1977, Madurai. Presented 5 papers.

1978

1st Annual Conference of Association of Surgeons of India Kerala Chapter. February 19th , 1978, Trivandrum. Presented 2 papers.

1979

13th National Conference of Urological Society of India. September 19th - 23rd 1979, Trivandrum. Presented 2 papers.

39th National Conference of the Association of Surgeons of India. December 27th – 30th 1979, Hyderabad. Presented 4 papers.

1980

14th National conference of Urological Society of India. 1980, Agra. Presented 1 paper.

1981

15th National Conference of Urological Society of India. September 24th – 27th 1981, Bombay. Presented 2 papers

1982

5th Annual Conference of Association of Surgeons of India Kerala Chapter. February 1982, Trivandrum. Presented 1 paper

16th National conference of Urological Society of India. September 28th – October 3rd 1982, Manipal. Presented 4 papers.

1st Annual Conference of Urological Association of Kerala. October 31st 1982, Calicut. Presented 1 paper.

42nd National Conference of Association of Surgeons of India. December 27th – 30th 1982, Bombay. Presented 1 paper.

1983

2nd National Conference of the Urolithiasis Society of India. February 12th - 13th 1983, Trivandrum. Presented 8 papers.

2nd Annual Conference of Urological Association of Kerala. May 14th -15th 1983, Cochin. Presented 3 papers.

Mid Term Conference of Association of Surgeons of India Kerala Chapter July 31st 1983, Cochin. Presented 3 papers.

Symposium on management of ureteric colic as an Emergency. September 25th 1983. Trivandrum.

17th National Conference of the Urological Society of India. October 2nd - 4th 1983, New Delhi. Presented 3 papers.

43rd National Conference of Association of Surgeons of India. December 27th - 30th 1983, Madras. Presented 3 papers.

Urological Society of India. December 28th 1983, Hyderabad.

1984

5th International Symposium on Urolithiasis and Related clinical research. April 1st -5th 1984, Garnisch – Partenkirchen / FRG. Presented 4 papers.

3rd Conference of Kerala Urological Association. January 8th 1984, Kottayam. Presented 2 papers.

Continuing Medical and Bio Engineering Education in Nephrology July 26th -28th 1984, Bombay. Gave a lecture

1985

The British Association of Urological Surgeons. July 9th - 12th 1985, Eastbourne. Presented 1 paper.

19th Annual Conference Urological Society of India. August 29th - September 1st 1985, Ooty.

Peripheral Meeting. Association of Surgeons of India Kerala Chapter. October 12th – 13th 1985, Munnar. Presented 2 papers

45th Annual Conference of Association of Surgeons of India. December 27th -30th 1985, Bangalore. Presented 1 paper.

1986

Annual conference of Indian Society of Pancreatology. December 16th -17th 1986, Trivandrum. Presented 1 paper.

National Conference of Indian Society of Haematology. 1986, Trivandrum. Presented 1 paper.

Annual Conference of Association of Surgeons of India, Kerala Chapter. February 1986, Kanjirapally. Presented 1 paper.

Scanning Electron Microscopy Symposium on Biomineralisation in man. May 4th - 9th 1986, New Orleans, United States of America. Presented 1 paper.

Peripheral Meeting Association of Surgeons of India Kerala Chapter. 1986. Presented 1 paper.

20th National Conference of Urological Society of India –September 25th – 28th 1986, Vijayawada. Presented 2 papers.

Annual Conference of Association of Surgeons of India Kerala Chapter. 1986, Palaghat. Presented 1 paper

46th National Conference of Association of Surgeons of India. December 27th – 30th 1986, Agra. Presented 3 papers.

1987

Annual Conference of Association of Surgeons of India, Kerala Chapter. February 1987, Trichur. Presented 1 paper.

International Meeting of Scanning Electron Microscopy. May 3rd - 8th 1987, Hamilton, Ontario, Canada. Presented 1 paper.

21st National Conference of the Urological Society of India. October 4th - 7th 1987, Jodhpur. Presented 3 Papers.

Annual Conference of the Kerala Urological Association CME progame and Scientific Sessions. November 28th – 29th 1987, Quilon. Presented 1 paper.

19th National Seminar on Crystallography. December 18th – 20th 1987, Changanaserry. Presented 4 papers.

47th Annual Conference of Association of Surgeons of India. December 26th - 30th 1987, Madras. Presented 5 papers.

1988

Annual Conference of Indian Association of Medical Microbiologists. 1988 Trivandrum.

Urological Association of Kerala. May 1988, Eranakulam. Presented 1 paper.

Indian Medical Association. June 24th 1988, Karunagappally. Presented 1 paper.

Annual Conference of British Association of Urological Surgeons. June 21st 24th 1988, Buxton, Derbyshire. Presented 1 paper.

6th International Symposium on Urolithiasis. July 24th - 28th 1988, Vancouver, Canada. Presented 14 papers.

Institute of Urology, Univeristy of London. July 1st -29th 1988, London.

Peripheral Conference of the Association of surgeons of India Kerala Chapter. October 29th - 30th 1988, Kozhencherry. Presented 2 papers.

22nd Annual Conference of Urological Society of India. October 23th -26th 1988, Patna.

Annual Conference of the Indian Association of Microbiologist. November 18th – 20th 1988.

Presented 1 paper.

South Zone CME programme. The National Academy of Medical Science. October 28th -31st 1988, New Delhi.

Department of Anatomy, Integrated Seminar, November 25th 1988. Presented 1 paper.

Workshop on newer concepts and modalities in the management of urinary calculi. December 3rd and 4th 1988, Bombay.

48th National Conference of Association of Surgeons of India. December 26th -30th 1988, Delhi. Presented 3 papers.

Annual Conference of Urological Society of India. December 30th 1988, Delhi.

1989

7th Congress of Asian Surgical Association. February 19th - 23rd 1989, Jalan, Penang, Malaysia. Presented 4 papers.

Annual Conference of Association of Surgeons of India Kerala Chapter. March 4th - 5th 1989, Kottiyam. Presented 5 papers.

Workshop on research finding and uses for personal from science and technology institutions. Institute of management in government. April 17th – 22nd 1989, Trivandrum.

National Symposium on Chemolysis on Urinary stone April 1989. Presented 1 papers.

Mid term conference of Urological Association of Kerala. June 4th 1989, Trichur. Presented 2 papers.

Annual Conference of the Urological Society of India. July 31st 1989. Presented 1 paper.

Mid Term Conference of the Association of Surgeons of India Kerala Chapter. July 23rd 1989, Trichur. Presented 2 papers.

South Zone Conference of International College of Surgeons. July 30th 1989, Madurai. Presented 3 papers.

4th National Seminar on Crystal growth. August 14th - 16th 1989, University of Mysore. Presented 4 papers.

Annual Conference of Association of Surgeons of India Kerala Chapter. October 22nd 1989, Kodungalloor. Presented 2 papers.

5th National Conference of the Urolithiasis Society of India. November 10th - 12th 1989, New Delhi. Presented 18 papers.

49th National Conference of Association of Surgeons of India. December 27th – 30th 1989, Varanasi. Presented 4 papers.

1990

The National Symposium on Crystal Nucleation, Solution Growth and Surface Morphology. Crystal Growth Center Anna University. January 8th – 9th 1990, Madras. Presented 13 papers.

2nd European Symposium on Stone Disease. January 23rd 1990, Basel, Switzerland. Presented 10 papers.

11th Annual Conference of Association of Surgeons of India Kerala Chapter. February 3rd - 4th 1990, Cochin. Presented 1 paper.

Meeting of the faculty of surgical sciences, Medical College Hospital, April 1st 1990, Trivandrum. Presented 1 paper.

Clinical epidemiology workshop III design measurement and evaluation Medical College. April 6th – 7th 1990, Trivandrum.

Scanning Electron Microscopy Meeting. May 5th - 10th 1990, Bethesda, Maryland, USA. Presented 2 papers.

Current trend in crystal growth and characterization release. June 2nd 1990, Los Vegas, USA. Presented 1 paper.

Mid Term Conference of Urological Association of Kerala Chapter. June 17th 1990, Thiruvalla. Presented 2 papers.

Meeting of the Faculty of Surgical Sciences. Medical College Hospital. July 1st 1990, Trivandrum. Presented 1 paper.

South Zone Urology Conference. July 7th 1990, Yercaud. Presented 1 paper.

24th Annual Conference of Urological Society of India. September 2nd – 6th 1990, Calicut. Presented 1 paper.

7th South Indian Regional Conference of Association of Surgeons of India, Kerala Chapter. October 5th - 7th 1990, Kottayam. Presented 1 paper.

Annual Conference of Urological Association of Kerala. November 10th – 11th 1990, Mangalore. Presented 2 papers.

Annual Conference of Kerala State Indian Medical Association. November 17th - 18th 1990, Aluva, Kerala. Presented 4 papers.

50th National Conference of Association of Surgeons of India. December 26th – January 1st 1991, Indore. Presented 4 papers.

1991

Annual Conference of the Association of Surgeons of India, Kerala Chapter. February 16th - 17th 1991, Calicut. Presented 1 paper.

3rd Kerala Science Congress February 28th – March 3rd 1991, Kozhikode. Presented 5 papers.

Crystal Growth Centre. January 31st 1991, Anna University.

Scanning Microscopy Meeting. May 4th - 9th 1991.

Mid term conference Urological Association of Kerala. June 9th 1991, Alappuzha

Workshop on “How to start Medical Research”. The Life Science chapter of the Kerala Academy of Science. Association of Surgeons of India Kerala Chapter Medical College Hospital. July 20th 1991. Trivandrum.

Mar Geevarghese Dionysius Memorial Hospital. September 26th 1991, Kottayam.

Kerala Islamic Medical Association. September 14th 1991, Muslim Association Hall, Trivandrum. Chaired a Scientific Session.

Peripheral meet of the Association of Surgeons of India, Kerala Chapter. October 6th 1991. Kangazha. Presented 1 paper.

Indian Association for crystal growth. November 13th 1991.

University of Mysore mineralogical Institute. December 2nd 1991.

Annual conference of Urological Association of Kerala. December 6th – 8th 1991, Theckady

International Conference on Crystal Growth. December 15th 1991.

1992

25th National Conference of the Urological Society of India. January 17th - 20th 1992, Kanyakumari – Tamilnadu. Presented 4 papers.

2nd Annual Conference of Kerala Academy of Sciences. January 24th – 25th 1992, Trivandrum. Presented 3 papers.

Symposium on advances in Cancer Research. Regional Cancer Centre. February 7th 1992, Trivandrum.

9th Annual meet of the Anatomical Society of India Kerala Chapter. February 9th 1992. Presented 1 paper.

Annual Conference of the Association Surgeons of India, Kerala Chapter. February 8th – 9th 1992, Trivandrum. Presented 1 paper.

4th Kerala Science Congress. February 27th - 29th 1992, Trichur. Presented 4 papers.

Annual Midterm Conference of the Urological Association of Kerala. June 1992, Kottiyam. Presented 1 paper.

7th National Conference of Urolithiasis Society of India. 1992 Meerat. Presented 31 papers.

Talk on All India Radio. August 10th 1992.

10th International Conference of the Crystal Growth. August 16th - 21st 1992, San Diego, California. Presented 6 papers.

7th International Symposium on Urolithiasis. August 24th - 27th 1992, Cairns, Australia. Presented 27 papers. Co-chair Plenary session. August 27th 1992, Cairns Australia.

Peripheral Meeting of the Association of Surgeons of India Kerala Chapter. September 27th 1992, Manjeri. Presented 1 paper.

Workshop on urinary sediments, Medical College. October 18th 1992. Kottayam.

6th Annual Meet Urological Association of Kerala Chapter. November 14th - 15th 1992, Coimbatore . Presented 1 paper.

26th National Conference of the Urological Society of India. December 19th - 22nd 1992, Pune. Presented 2 papers.

52nd National Conference of Association of Surgeons of India. December 26th - 30th 1992, Calcutta. Presented 5 papers.

1993

5th Kerala Science Congress. January 28th - 30th 1993, Kottayam. Presented 3 papers.

16th Annual Conference of Association of Surgeons of India, Kerala Chapter. February 13th - 14th 1993, Alleppey. Presented 1 paper.

Medical Trust Hospital May 22nd 1993, Lithocon. Gave lecture in Investigating Stone Disease.

Seminar on Statistics conducted by University of Kerala. June 28th 1993, Trivandrum. Presented 2 papers.

4th Annual Conference of Association of Southern Urologists. August 14th - 15th 1993, Trivandrum. Presented 2 papers.

Indian Association for Medical Informatics. September 18th 1993.

5th National Seminar on Crystal Growth Conference. November 18th – 20th 1993, Madras. Presented 14 papers.

Peripheral Conference of the Association of Surgeons of India, Kerala Chapter. October 3rd 1993, Chengannur. Presented 1 papers.

27th Annual Conference of the Urological Society of India. November 18th – 21st 1993, Lucknow. Presented 2 papers.

2nd Asian Congress of Urology. November 30th – December 3rd 1993, Bangkok. Presented 4 papers.

53rd National Conference of Association of Surgeons of India. December 26th - 30th 1993, Madras. Presented 6 papers.

7th National Conference of the Urolithiasis Society of India. December 27th – 29th 1993, Madras. Presented 23 papers.

1994

Annual Conference of the Urological Association of Kerala. January 8th 1994, Cochin. Presented 1 paper.

6th Kerala Science Congress. January 27th – 29th 1994, Trivandrum. Presented 5 papers.

*Annual Conference of Association of Surgeons of India Kerala Chapter. February 5th - 6th 1994, Thrissur. Presented 1 paper.

Faculty of Surgical Sciences. December 11th 1994. Workshop on Laparoscopic Surgery

Annual Conference of the Urological Society of India. December 20th – 23rd 1994. Calcutta.

National Conference of Association of Surgeons of India. December 29th 1994, Madras.
Presented 2 papers.

54th Annual Conference of Association of Surgeons of India. December 26th -30th 1994,
Cuttack.

1995

5th Annual Conference of Academy of Medical Science 6th - 7th 1995, Thiruvananthapuram.
Presented 2 papers.

11th International Conference on Crystal growth. June 18th to 23rd 1995, Hague (Netherlands).
Presented 8 papers.

1996

8th International Symposium on Urolithiasis. September 29th - October 2nd 1996, Dallas, Texas,
USA. Presented 15 papers.

1997

9th Kerala Science Congress. January 27th - 29th 1997, Thiruvananthapuram. Presented 3 papers.

30th National Conference of Urological Society of India. January 20th - 24th 1997, Mumbai.
Presented 4 papers.

20th Annual Conference of the Association Surgeons of India Kerala Chapter. February 1st -2nd
1997, Thiruvananthapuram. Presented 1 paper.

1998

Annual Conference of Association of Surgeons of India Kerala Chapter Mid term conference
and CME Tricon 98. June 27th - 28th 1998, Trivandrum. Presented 1 paper.

1999

Annual Conference of Association of Surgeons of India Kerala Chapter. February 6th - 7th
1999, Thrissur. Attended

14th Congress of the European Association of Urology. April 7th – 11th 1999, Sweden.
Presented 1 paper.

Surgical Update. October 15th - 17th 1999, Trivandrum. Presented 2 papers.

13th Annual Conference of Urological Association of Kerala. November 6th - 7th 1999, Priyadarsini Planetarium, Thiruvananthapuram. Chair person

CME on Medical Research. December 4th -6th 1999, Thrissur.

59th National Conference of Association of Surgeons of India. December 25th - 30th 1999, Madurai.

2000

12th Kerala Science Congress. January 27th - 29th 2000, Kumily. Presented 5 papers.

9th International Symposium on Urolithiasis. February 13th - 17th 2000, Capetown, South Africa. Presented 9 papers.

23rd Annual Conference of Association of Surgeons of India Kerala Chapter. February 5th - 6th 2000, Calicut.

Prof. Raghavachari Oration for the year 2000. Presented 1 paper.

39th Annual Conference of the National Academy of Medical Science Continuing Medical Education Programme. March 24th - 26th 2000, Chennai. Participated

Trust Hospital KHCTR Charitable Trust. August 14th 2000, Nagarcoil. Dr. S.X Charles Endowment Oration Lecture.

The Indian Medical Association Kanyakumari Branch. August 31st 2000, Nagarcoil. Lecture.

Annual Conference of Association of Surgeons of India Kerala Chapter. September 23rd - 24th 2000, Thrissur. Participated

14th Annual Conference of Urological Association of Kerala Chapter. October 21st - 22nd 2000, Cochin. Delegate Judge for scientific Paper Competition

60th National Conference of Association of Surgeons of India. December 27th - 30th 2000, New Delhi. Presented 9 papers.

2001

34th National Conference of the Urological Society of India. January 18th - 21st 2001, Nagpur.

13th Kerala Science Congress. January 29th - 31st 2001, Trichur. Member of the presidium

4th Congress of Nephrology, Urology, Transplantation Society of SAARC. February 9th -11th 2001, Karachi. Workshop on Laparoscopic Urology. Presented 1 paper.

Update on Critical Care for Staff Nurses. February 5th - 15th 2001, Thiruvananthapuram. Presented 1 paper.

National Conference on Crystal Growth and Characterisation. March 22nd - 23rd 2001, Nagarcoil. Presented 1 paper.

40th Annual Meeting on National Academy of Medical Science . April 6th , 7th , 8th 2001, Agra.

24th Annual Conference of the Association of Surgeons of India Kerala Chapter. May 5th - 6th 2001, Cochin. Presented 1 paper.

CME in Nephrology. June 24th 2001, Thiruvananthapuram. Presented 1 paper.

National Academy of Medical Sciences CME. July 10th 2001, Thiruvananthapuram. Faculty.

IMA AMS CME. July 22nd 2001, Chirayinkeezhu. Speaker.

Seminar on Drug development in pharmaceutical Research. August 3rd 2001. Presented 1 paper.

Annual Conference of Association of Surgeons of India Kerala Chapter. November 3rd – 4th 2001, Calicut. Presented 1 paper.

Golden Jubilee CME Programme. November 10th 2001, Trivandrum. Faculty.

61st National Conference of Association of Surgeons of India. December 26th - 30th 2001, Patna, Bihar. Presented 10 papers, Chairperson for the Scientific Session, Panel Discussion.

2002

14th Kerala Science Congress. January 29th - 31st 2002, Kochi. Presented 6 papers.

Scientific Programme. February 22nd 2002. Chair Person, Lectures, Quiz Master

Golden Jubilee CME Programme. March 25th 2002, Thiruvananthapuram. Participated / Presented 1 Paper.

25th Annual Conference of Association of Surgeons of India Kerala Chapter. May 3rd - 5th 2002, Trivandrum. Participated, Chaired a session

CME on Medical Research Methodology. June 24th - 27th 2002, Trivandrum. Faculty.

Academy of Clinical Microbiologists Second Triennial Conference. August 2002, Trivandrum. Lecture.

Annual Conference of the Association of Surgeons of India Kerala Chapter. September 14th - 15th 2002, Alappuzha. Chaired the Session.

12th Swadeshi Science Congress. November 5th - 7th 2002. Thiruvananthapuram. Presented 5 papers.

Ethicon Institute of Surgical Education. November 30th 2002. Faculty.

62nd Annual Conference of the Association of Surgeons of India. December 25th - 30th 2002, Kolkata. Presented 14 papers.

2003

15th Kerala Science Congress. January 29th - 31st 2003, Thiruvananthapuram. Presented 6 papers.

36th National Conference of the Urological Society of India. January 17th - 20th 2003, Guwahati.

Peripheral meet Association of Surgeons of India. February 9th 2003, Kollam. (Got best paper award)

4th Update on Pediatric Nutrition and Healthy Living. April 6th 2003. Lecture.

26th Annual Conference of Association of Surgeons of India Kerala Chapter. May 10th - 11th 2003, Kottayam. Presented 2 papers.

10th European Symposium on Urolithiasis. June 11th - 14th 2003, Istanbul, Turkey. Presented 11 papers.

National Conference of the Association of Surgeons of India. September 27th - 28th 2003, Trivandrum. Presented 1 paper.

17th Annual Conference of Urological Association of Kerala. October 11th - 12th 2003, Kollam. Presented 2 papers.

Annual Conference of International Medical Sciences Academy. September 26th - 28th 2003, Cochin. Presented 2 papers.

63rd National Conference of Association of Surgeons of India. December 25th - 30th 2003, Pune. Presented 10 papers.

2004

16th Kerala Science Congress. January 29th - 31st2004, Kozhikode. Presented 1 paper.

37th National Conference of Urological Society of India. January 21st- 24th 2004, Cochin. Presented 2 ? 1 papers, Delegate.

Peripheral Meet of Association of Surgeons of India Kerala Chapter. February 8th 2004, Perintalmanna. Chaired a session, Pre conference Workshop Faculty.

International Workshop on Esophagus Cancer. March 12th -14th 2004, Kochi. Chaired a session

Thyroid Instructional Course of Association of Surgeons of India Kerala Chapter. March 7th 2004, Kolenchery. Inaugurated.

10th International Symposium on Urolithiasis. May 25th – 28th 2004, Hong Kong. Presented 6 papers.

Annual Conference of Association of Surgeons of India Kerala Chapter. September 4th - 5th 2004, Kottayam. Chaired a Session.

18th Annual Conference of the Urological Association of Kerala. October 9th - 10th 2004, Thrissur.

64th National Conference of Association of Surgeons of India. December 26th - 30th 2004, Hyderabad. Presented 4 papers, Delegate.

2005

4th European Symposium on Urolithiasis. June 16th – 18th 2005, Coburg. Presented 11 Papers. Conveners / Chairpersons / Moderators.

38th National Conference of the Urological Society of India. January 8th - 11th 2005, Ahamedabad.

Urolithiasis Symposium in Association with European Urolithiasis Society. February 25th - 27th 2005, Karachi, Pakistan. Presented 3 papers.

PRS Continuing Medical Education. 9th April 2005. Presented 2 papers.

Annual Conference of Urological Association of Kerala. May 5 - 9 2005, Kanady, Colombo, Srilanka. Presented 1 paper.

28th Annual Conference of Association of Surgeons of India Kerala Chapter. May 13th - 15th 2005, Calicut. Short Paper Session

11th European Symposium on Urolithiasis. June 16th – 18th 2005, Coburg. Presented 11 papers.

16th Annual Conference of South Zone Urological Society of India. July 8th - 10th 2005, Bangalore.

9th CAST / 5th SIUT December 2nd - 4th 2005, Karachi, Pakistan. Presented 1 paper

65th National Conference of Association of Surgeons of India. December 25th - 30th 2005, Jaipur. Short paper session (Gastro) Conveners/ Chairpersons / Moderators, Presented 2 papers.

2006

Silver Jubilee CME. February 9th 2006, Madurai. Participated as faculty.

Peripheral Meet of The Association of Surgeons of India Kerala Chapter. February 12th 2006, Vattappara. Presented 1 paper.

Annual CME of Dr K Kesavan Nair Memorial. April 23rd 2006, Karakonam. Chaired a session, Presented 2 papers.

Annual Conference of Association of Surgeons of India Kerala Chapter. May 5th - 7th 2006, Kochi. Chaired a Scientific session Attended the pre-Conference Operating Workshop.

17th Annual Conference of South Zone Urological Society of India July. 14th - 16th 2006, Thiruvananthapuram. Organizing Committee member.

Annual CME TRISURGE. October 28th - 29th 2006, Trivandrum. Chairperson

28th Congress of the Society International d' Urologie. November 12th - 16th 2006, Cape Town, South Africa.

11th Refresher Course in Life Science form. November 25th -14th 2006. Lecture

66th National Conference of Association of Surgeons of India. December 25th - 30th 2006, Varanasi. Presented 2 papers.

2007

40th National Conference of Urological society of India. February 7th- 10th 2007, Patna (Bihar). Faculty, Presented 8 papers.

Annual Conference of Association of Surgeons of India CME - Kerala Chapter. September 8th - 9th 2007. Lecture, Chairperson.

21st Annual Conference of Urological Association of Kerala. October 13th - 14th 2007, Kottayam.

National Seminar on Medical Negligence Recent Trends in India. November 17th - 18th 2007, Thiruvananthapuram. Resource Person (Theme Medical Ethics)

International Conference on Recent Advances in Medicine and Surgery. December 22nd 2007, Trivandrum. Attended CME Programme

67th National Conference of Association of Surgeons of India. December 25th - 30th 2007, Bhubaneswar. Presented 2 papers.

2008

41st Annual Conference of Urological Society of India. January 17th - 20th 2008, Chennai. Presented 3 papers.

UGC Academic Staff College University of Kerala. 13th Refresher Course in Life Science. January 9th 2008.

20th Kerala Science Congress. January 28th - 31st 2008, Trivandrum. Delegate, Presented 3 papers.

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 10th 2008, Pushpagiri. Chaired a Scientific session

British Council – National Symposium on Climate Change and Low Carbon future. March 28th 2008, Vellyani, Trivandrum. Presented 1 paper.

31st Annual Conference of Association of Surgeons of India Kerala Chapter. May 9th - 11th 2008, Trissur. Chaired a Session 2 papers.

11th International symposium on Urolithiasis. September 2nd - 5th 2008, Nice France. Presented 20 papers.

68th Annual Conference of the Association of Surgeons of India. December 25th – 30th 2008, Ludhiana. Delivered Pandalai Oration. Presented 4 papers.

2009

42nd Annual Conference of Urological Society of India. January 22st – 25th 2009, Indore. Delegate, Presented 1 paper.

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 7th 2009, Palakkad. Chaired a Scientific session.

Association of British Scholars – Symposium on Climate Change. March 25th 2009, Keral University Campus Biochemistry Dpartment, Trivandrm. Presented 1 Lecture.

32st Annual Conference of Association of Surgeons of India Kerala Chapter. May 9th - 11th 2009, Calicut. Chaired a Session.

6th Eurolithiasis Society (eulis) Symposium. October 15th – 17th 2009, Como – Italy. Presented 14 papers.

69th National Conference of Association of Surgeons of India. December 25th – 30th 2009, Coimbatore. Presented 4 papers.

2010

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 2010, Alappuzha.

30th Annual CME of Association of Surgeons of India Kerala Chapter. April 2010, Thiruvananthapuram.

Annual Conference of Association of Surgeons of India CME - Kerala Chapter. September 2010.

National Conference of Association of Surgeons of India. December 25th - 30th 2010, Delhi.

2011

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 2011.

Annual Conference of Association of Surgeons of India CME - Kerala Chapter. September 2011.

National Conference of Association of Surgeons of India. December 25th - 30th 2011, Kochi.

2012

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 2012.

Annual CME of Association of Surgeons of India Kerala Chapter. 2012.

Annual Conference of Association of Surgeons of India CME - Kerala Chapter. September 2012.

12th International symposium on Urolithiasis. 2012, Ouro Preto Brazil. Presented 25 papers. Chaired a session.

National Conference of Association of Surgeons of India. December 25th - 30th 2012, Kolkata.

2013

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 2013, Alappuzha.

Annual CME of Association of Surgeons of India Kerala Chapter. April 2013.

Annual Conference of Association of Surgeons of India CME - Kerala Chapter. September 2013.

National Conference of Association of Surgeons of India. December 25th - 30th 2013, Ahmedabad.

2014

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 2014.

Annual CME of Association of Surgeons of India Kerala Chapter. April 2014.

Annual Conference of Association of Surgeons of India CME - Kerala Chapter. September 2014.

National Conference of Association of Surgeons of India. December 25th - 30th 2014, Hyderabad.

2015

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 2014, Perinthalmanna.

6. SESSIONS CHAIRED

1982

16th Annual Conference of Urological Society of India, September 28th – October 3rd 1982, Manipal.

42nd National Conference of Association of Surgeons of India. December 27th – 30th 1982, Bombay.

1983

17th National Conference of the Urological Society of India. October 2nd - 4th 1983, New Delhi.

43rd National Conference of Association of Surgeons of India. December 27th - 30th 1983, Madras.

1985

19th Annual Conference Urological Society of India. August 29th - September 1st 1985, Ooty.

1988

Annual Conference of Association of Surgeons of India. January Madras

International Conference of Urolithiasis. July 24th -26th . Vancouver, Canada.

Urological Society of India. December 30th 1988, Delhi

Urological Society of India. Manipal.

Work shop on Newer concepts and modalities in the management of Urinary Calculi. December 3rd – 4th 1988, Bombay.

National Conference Association of Surgeons of India. December 27th – 30th 1988, Delhi

1990

The National Symposium on Crystal Nucleation, Solution Growth and Surface Morphology. Crystal Growth Center Anna University. January 8th – 9th 1990, Madras.

Clinical epidemiology workshop III design measurement and evaluation Medical College. April 6th – 7th 1990, Trivandrum.

1991

Kerala Islamic Medical Association. September 14th 1991, Muslim Association Hall, Trivandrum.

6th National Conference of the Urolithiasis Society of India. December 17th – 19th 1991, Meerat.

51st National Conference of Association of Surgeons of India. December 27th – 30th 1991, Hyderabad.

Association of Surgeons of India. Hernia December 27th 1991. Madras

1992

26th National Conference of the Urological Society of India. December 19th - 22nd 1992, Pune.

Annual Conference of Association of Surgeons of India. Urology Section . December 29th 1992. Culcutta.

Urological Association of Kerala. Scientific Session has 3 papers. November 14th 1992.

1994

Annual Conference of Association of Surgeons of India Kerala Chapter. February 6th 1994, Thrissur.

1995

Annual Conference of the Association of Surgeons of India Kerala Chapter. May 20th – 21st 1995, Kottayam.

1998

Annual Conference of Association of Surgeons of India Kerala Chapter Mid term conference and CME Tricon 98. June 27th - 28th 1998, Trivandrum.

1999

Annual Conference of the Association of Surgeons of India Kerala Chapter. June 12th - 13th 1999, Kottayam.

13th Annual Conference of Urological Association of Kerala. November 6th - 7th 1999, Priyadarsini Planetarium, Thiruvananthapuram.

CME on Medical Research. December 4th -6th 1999, Thrissur.

2000

60th National Conference of Association of Surgeons of India. December 27th - 30th 2000, New Delhi.

2001

Annual Conference of Association of Surgeons of India Kerala Chapter. November 3rd - 4th 2001, Calicut.

61st National Conference of Association of Surgeons of India. December 26th - 30th 2001, Patna, Bihar. Chairperson for the Scientific Session, Panel Discussion.

2002

Scientific Programme. February 22nd 2002. Chair Person.

25th Annual Conference of Association of Surgeons of India Kerala Chapter. May 3rd - 5th 2002, Trivandrum.

Annual Conference of the Association of Surgeons of India Kerala Chapter. September 14th - 15th 2002, Alappuzha.

2003

26th Annual Conference of Association of Surgeons of India Kerala Chapter. May 10th - 11th 2003, Kottayam.

First Instructional Course of Association of Surgeons of India Kerala Chapter. August 10th 2003, Thrissur.

63rd National Conference of Association of Surgeons of India. December 25th - 30th 2003, Pune.

2004

International Workshop on Esophagus Cancer.

Peripheral Meet of Association of Surgeons of India Kerala Chapter. February 8th 2004, Perintalmanna.

Thyroid Instructional Course of Association of Surgeons of India Kerala Chapter. March 7th 2004, Kolenchery.

27th Annual Conference of the Association of Surgeons of India Kerala Chapter. May 7th, 8th, - 9th 2004, Thrissur.

Annual Conference of Association of Surgeons of India Kerala Chapter. September 4th - 5th 2004, Kottayam.

64th National Conference of Association of Surgeons of India. December 26th - 30th 2004, Hyderabad. Delegate.

2005

4th European Symposium on Urolithiasis. June 16th – 18th 2005, Coburg.

Annual CME of the Association of Surgeons of India Kerala Chapter. September 24th - 25th 2005, Thrissur.

Annual CME TRISURGE Association of Surgeons of India Kerala Chapter. October 22nd - 23rd 2005, Trivandrum.

9th Cast Secretariat, December 3rd – 4th 2005, Karachi.

65th Annual Conference of Association of Surgeons of India. December 29th – 30th 2005, Jaipur.

2006

Peripheral Meet of The Association of Surgeons of India Kerala Chapter. February 12th 2006, Vattappara.

Annual CME of Dr K Kesavan Nair Memorial. April 23rd 2006, Karakonam.

Annual Conference of Association of Surgeons of India Kerala Chapter. May 5th - 7th 2006, Kochi.

Annual CME TRISURGE. October 28th - 29th 2006, Trivandrum.

Annual CME of Association of Surgeons of India Kerala Chapter. November 4th - 5th 2006, Calicut.

66th National Conference of Association of Surgeons of India. December 25th - 30th 2006, Varanasi.

2007

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 25th 2007, Alappuzha.

30th Annual CME of Association of Surgeons of India Kerala Chapter. April 27th - 29th 2007, Thiruvananthapuram.

Annual Conference of Association of Surgeons of India CME - Kerala Chapter. September 8th - 9th 2007.

2008

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 10th 2008, Pushpagiri.

31st Annual Conference of Association of Surgeons of India Kerala Chapter. May 9th - 11th 2008, Trissur.

68th Annual Conference of the Association of Surgeons of India. December 25th – 30th 2008, Ludhiana.

2009

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 7th 2009, Palakkad.

32st Annual Conference of Association of Surgeons of India Kerala Chapter. May 9th - 11th 2009, Calicut.

6th Eurolithiasis Society (eulis) Symposium. October 15th – 17th 2009, Como – Italy.

2010

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 2010, Alappuzha.

30th Annual CME of Association of Surgeons of India Kerala Chapter. April 2010, Thiruvananthapuram.

Annual Conference of Association of Surgeons of India CME - Kerala Chapter. September 2010.

National Conference of Association of Surgeons of India. December 25th - 30th 2010, Delhi.

2011

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 2011.

Annual Conference of Association of Surgeons of India CME - Kerala Chapter. September 2011.

National Conference of Association of Surgeons of India. December 25th - 30th 2011, Kochi.

2012

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 2012.

Annual CME of Association of Surgeons of India Kerala Chapter. 2012.

Annual Conference of Association of Surgeons of India CME - Kerala Chapter. September 2012.

12th International symposium on Urolithiasis. 2012, Ouro Preto Brazil. Presented 25 papers. Chaired a session.

National Conference of Association of Surgeons of India. December 25th - 30th 2012, Kolkata.

2013

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 2013, Alappuzha.

Annual CME of Association of Surgeons of India Kerala Chapter. April 2013.

Annual Conference of Association of Surgeons of India CME - Kerala Chapter. September 2013.

National Conference of Association of Surgeons of India. December 25th - 30th 2013, Ahmedabad.

2014

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 2014.

Annual CME of Association of Surgeons of India Kerala Chapter. April 2014.

Annual Conference of Association of Surgeons of India CME - Kerala Chapter. September 2014.

National Conference of Association of Surgeons of India. December 25th - 30th 2014, Hyderabad.

2015

Peripheral Conference of Association of Surgeons of India Kerala Chapter. February 2014, Perinthalmanna.

7. LECTURES GIVEN

1984

Continuing Medical and Bio Engineering Education in Nephrology. July 26th -28th 1984. Bombay

1985

Thyroid operations. Association of Surgeons of India, Kerala Chapter: Symposium on thyroid. October 13th 1985, Munnar

1986

Giant pancreatic calculi, Indian Society of Pancreatology, Annual Conference. December 16th - 17th 1986, Trivandrum.

46th Annual Conference Association of Surgeons of India, Medical management and prevention of renal calculi,. Symposium on Renal Calculi. December 27th -30th 1986. Agra.

1987

21st Annual Conference of Urological Society of India. Stag-horn Calculi. October 4th -7th 1987. Jodhpur.

19th National Seminar on Crystallography. Charectaristics of human urinary crystals in vivo Vs. invitro. December 18th -20th 1987. Changanacherry.

1988

The National Academy of Medical Sciences, South Zone CME Programme. Recent advances in the treatment of renal stone disorders. October 28th – 31st 1988. New Delhi

Workshop on Newer concepts and modalities in the management of Urinary Calculi.

December 3rd and 4th 1988. Bombay

1991

6th National Conference, Urolithiasis Society of India. December 10th -19th 1991, Meerut.

1992

Urinary sediments in the stone diseases. Workshop on urianry sediments, October 18th 1992. Medical College, Kottayam.

1993

7th National Conference of Urolithiasis Society of India. Choice of intervention in the treatment of urinary stones. December 27th -29th 1993, Madras.

53rd Annual Conference of Association of Surgeons of India. Recent trends in medical management of stone disease. December 26th -30th 1993, Madras

Investigations of a stone patient. Lithocon. May 16th 1993, Cochin.

1999

Annual Conference of the Association of Surgeons of India Kerala Chapter. June 12th - 13th 1999, Kottayam.

Surgical Update. October 15th - 17th 1999, Trivandrum.

CME on Medical Research. December 4th -6th 1999, Thrissur.

2000

Trust Hospital KHCTR Charitable Trust. August 14th 2000, Nagarcoil. Dr. S.X Charles Endowment Oration.

The Indian Medical Association Kanyakumari Branch. August 31st 2000, Nagarcoil.

2002

Scientific Programme. February 22nd 2002.

Academy of Clinical Microbiologists Second Triennial Conference. August 2002, Trivandrum.

UGC Academic Staff College Univeristy of Kerala. Refresher Course in Life Science. July 4th to 25th 2002, Trivandrum.

2003

4th Update on Pediatric Nutrition and Healthy Living. April 6th 2003.

First Instructional Course of Association of Surgeons of India Kerala Chapter. August 10th 2003, Thrissur.

2006

Annual CME of Association of Surgeons of India Kerala Chapter. November 4th - 5th 2006, Calicut.

11th Refresher Course in Life Science form. November 25th-14th 2006.

2007

Annual Conference of Association of Surgeons of India CME - Kerala Chapter. September 8th - 9th 2007.

2008

UGC Academic Staff College Univeristy of Kerala. Refresher Course in Life Science. December 26th – January 15th 2008. Trivandrum.

2009

Association of British Scholars – Symposium on Climate Change. March 25th 2009, Keral University Campus Biochemistry Dpartment, Trivandrm.

8. BOOKS PUBLISHED

AUTHORSHIP / EDITORSHIP OF BOOKS

1. Published book - Proceedings of the IV Annual Conference of Association of Southern Urologists, 1993
2. Published book on Physical study of crystals - 1992
3. Published "Concise Surgery" a text book for medical students - 1995 - 2 editions
4. Published "Essentials of Practical Surgery with MCQ" a text book for medical students - 1995 - 2 editions
5. Published "Surgery for House Surgeons" a text book for medical students - 1995 - 3 editions.
6. Published book - Proceedings of the II National Conference - Urolithiasis Society of India - 2003
7. Published book on Basics in Medical Statistics

8. Published quarterly news letters of Urolithiasis Society of India
9. Editor, Kerala Surgical Journal, 1994 - 2000.
10. Wrote a chapter on Urinary Stones in "Essentials of Urology and Nephrology" (Ed.) Visweswaran R.K. B.I. Churchill Livingstone, New Delhi, 1994.
11. Bulletin editor, Kerala Government Medical College Teachers Association, 1986 - 1989.

9. SCIENTIFIC PUBLICATIONS

PAPERS PUBLISHED

Marickar YMF. Nocturnal Eneuresis. In Medical College Annual, 1968. p 23.

Marickar YMF. Carbon Tetrachloride. In Medical College Annual. 1969. p 35.

Marickar YMF. Epidemiological study of Renal Hypertension. In Medical College Annual. 1970 p 61.

Marickar YMF, Vasu KI. Fluoborate bath for the plating of the ternary alloy: Iron – Cobalt – Nickel. J. Electrochemical Society of India, Vol 18 (4) pp 181-185 1970.

Marickar YMF. Tumour of skin - an unusual presentation. In Medical College Annual. 1972. p 61.

Marickar YMF. Ortner's Syndrome. In Kerala Medical Journal. 1973 p 14-15.

Das P, Marickar YMF. A study of mineral composition of urinary calculi by X-ray diffraction method. Ind. J. Med. Res. 63:83-92 1975.

Marickar YMF, Joseph D, Abraham PA. Study of urinary stones in Kerala. Ind. J. Surg. 38:480-484, 1976.

Marickar YMF, Joseph D, Abraham PA. Study of 192 patients with urinary stones in Kerala. Ind. J. Surg. 39:144-150, 1977.

Marickar YMF. Cimetidine in the management of stress ulcer. Kerala Medical J. 1979 p 20-283.

Jose L, Marickar YMF, Joseph D, Abraham PA. Rabdomyoma of the submandicular region. Indian J. Path. 1979, p 22-221-222.

Marickar YMF, Jose L, Gangadharan C, Bahuleyan CK. Mycosis fungoides – a study of seven cases. Ind. J. Sur. 1980, p 42: 181-185

Marickar YMF. Epidemiological aspects of Urolithiasis in India. In: Proceedings of the II

National Conference of the Urolithiasis Society of India, 1983 p8-10.

Marickar YMF, Hyacinth P, Rajamohan K, Joseph D, Abraham PA. Matrix Calculi. In: Proceedings of the II National Conference of the U.S.O.I., 1983, p22.

Rajamohan K, Hyacinth P, Marickar YMF, Joseph D, Abraham PA. Anatomical anomalies in relation to urinary stone formation. In: Proceedings of the II National Conference, U.S.O.I. 1983, p46-47.

Parathyroid disease-a spectrum in seven cases. In Ind. J. Surgery

Self introduced foreign bodies and lower urinary stones. In Ind. J. Surgery.

Hyacinth P, Rajamohan K, Marickar YMF, Moorthy KH. Magnesium metabolism in Urinary stone disease. In: Proceedings of the II National Conference U.S.O.I. 1983, p101.

Marickar YMF, Hyacinth P, Rajamohan K, Moorthy KH. Citric acid levels in urinary stone patients. In: Proceedings of II National Conference U.S.O.I., 1983 p102.

Hyacinth P, Koshy P, Rajamohan K, Marickar YMF. SEM in urinary stone analysis. In: Proceedings of II National Conference, U.S.O.I., 1983 p 128-131.

Koshy P, Hyacinth P, Rajamohan K, Marickar YMF. Study of stone matrix using SEM. In: Proceedings of II National Conference, USOI, 1983 p131-133.

Marickar YMF. A modern out look on prophylaxis of urinary stones. In: Proceedings of II National Conference of U.S.O.I., 1983 p170-179.

Hyacinth P, Rajamohan K, Marickar YMF, Koshy P, Moorthy KH. A study of the ultrastructure of urinary calculi by SEM. Urol. Res.12, (1984) p227-230.

Hyacinth P, Rajamohan K, Moorthy KH, Marickar YMF. A study of urolithiasis from 200 patients and 125 urinary stones from Trivandrum area Arogya 10, (1984) p113-117.

Marickar YMF, Joseph, Abraham PA. Calculogenic potential of the diet a new concept. In: Urolithiasis and related clinical research., Eds.Schwille.P.O., Smith LH, Robertson WG, Vahlensieck W. Plenum Press, New York 1985. p89-92.

Marickar YMF, Paul H, Nair KB, Salahudeen S. Biochemical alterations in urinary stone patients on Chemoprophylaxis. In: Urolithiasis and related clinical research, Eds. Schwille PO, Smith LH, Robertson WG, Vahlensieck W. Plenum Press, New York 1985, p565-568.

Marickar YMF, Rose GA. Relationship of stone growth and urinary biochemistry in long term follow up of stone patients with idiopathic hypercalciuria. Brit. J. Urol. 1985, 57:613-617.

Hyacinth P, Marickar YMF, Moorthy KH. Study of inhibitors and promoters of crystallization in vitro silica gel media. In Urolithiasis and related clinical research (Plenum Published cor PN, Newyork) 1985 p16.

Paul H, Marickar YMF, Koshy P, Moorthy KH. A study of the effect of certain indigenous drugs and vegetable preparations on the growth of struvite crystals in vitro. Ind. J. Clin. Biochem. 1986, 1:45.

Marickar YMF, Koshy P. Scanning electron microscopic study of effect of various agents on urinary crystal morphology. Scanning microscopy, Vol. 1, No.2, 1987 p.571-577.

Hyacinth P, Marickar YMF, Moorthy KH. Chemical composition of uroliths from Trivandrum Area. Ind. J. S. Vol. 50 (1) 1988 p 22-25.

Marickar YMF, Sachidev K, Rajamohan K, Paul H, Abraham PA. Urine and blood biochemistry – stone patients Vs controls in India. Urol. Res. Vol 16(3) 1988 p 180.

Marickar YMF, Sachidev K, Thomas J, Sindhu S, Koshy P. Microlith formation in urine – A new evidence. Urol. Res. Vol. 16 (3) 1988 p 223.

Marickar YMF. Uric acid metabolism in upper tract stone. BJU 2914(115).

Marickar YMF, Sachidev K, Thomas J, Sindhu S, Vathsala RK. The relative merits of Early morning urine Vs Random samples for studying crystalluria. Urol. Res. Vol 16 (3) 1988 p 224.

Marickar YMF, Koshy P, Bansal RD. Plane of stone cleavage in Extracorporeal Lithotripsy. Urol. Res. Vol. 16 (3) 1988 p 257.

Sachidev K, Sindhu S, Vathsala RK, Thomas J, Marickar YMF. Biochemistry of crystalluric Vs Non crystaluric stone patients. Urol. Res. Vol 16 (3) 1988 p 196.

Sindhu S, Vathsala RK, George A, Sachidev K, Marickar YMF. Do stone formers lack inhibitors in urine? Urol. Res. Vol. 16 (3) 1988 p233.

Vathsala RK, Sindhu S, Sachidev K, Thomas J, Marickar YMF. Effect of temperature on crystal growth and morphology. Urol. Res. Vol. 16 (3) 1988 p 234.

Vathsala RK, Sindhu S, Sachidev K, Thomas J, Marickar YMF. Pyridoxine in the long term follow up of crystalluria stone formers. Urol. Res. Vol. 16 (3) 1988 p 249.

Marickar YMF, Vasudevan S, Thomas J, Sindhu S, Vathsala RK. Comparative value of plain X ray and pyelogram in Ureteric colic. Urol. Res. Vol. 16 (3) 1988 p 258.

Thomas J, Sachidev K, Sindhu S, Vathsala RK, Marickar YMF. Role of tamarind and tomato in controlling crystalluria. Urol. Res. Vol. 16 (3) 1988 p 242.

Vasudevan S. Is urinary tract infection a concomitant to urinary stone disease. *Urol. Res.* Vol. 16 (3) 1988 p 202.

Rajendran R, Sachidev K, Thomas J, Marickar YMF. Changing trends in pediatric. *Urol. Res.* Vol. 16 (3) 1988 p 204.

George A, Sachidev K, Thomas J, Vathsala RK, Marickar YMF. Histochemistry of the urinary deposit. *Urol. Res.* Vol. 16 (3) 1988 p220.

Koshy P, George A, Sachidev K, Thomas J, Marickar YMF. Matrix in stone – an electron microscopic evidence. *Urol. Res.* Vol. 16 (3) 1988 p 228.

Vathsala R, Sindhu S, Sachidev K, Thomas J, Marickar YMF. Effect of temperature on Crystal growth and morphology. In: *Urolithiasis*,(Eds) Walker VR, Sutton RAL, Cameron EC, Pak CYC, Robertson WG. Plenum press, New York. p.43-44, 1989.

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10 SCIENTIFIC PRESENTATIONS

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Correlation of Dietary Intake and Urine Biochemistry in Urolithiasis: Jayadevan S, Marickar YMF, Pillai RN. Presented at 9th International Symposium on Urolithiasis. February 13th - 17th 2000, Capetown, South Africa.

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Multiple Logistic Regression and probability testing in Urolithiasis: Jayadevan S, Marickar

YMF, Pillai RN. Presented at 9th International Symposium on Urolithiasis. February 13th - 17th 2000, Capetown, South Africa.

Futility of Ultrasound Scan in Stone Detection. Ilango S, Sindhu RS, Abraham A, Marickar YMF. Presented at 9th International Symposium on Urolithiasis. February 13th - 17th 2000, Capetown, South Africa.

Biochemical Changes induced by diabetes on calculogenic parameters in humans. Dhanalekshmi TG, Marickar YMF. Presented at 9th International Symposium on Urolithiasis. February 13th - 17th 2000, Capetown, South Africa.

Chemoprophylaxis In Urolithiasis A Myth Or Reality? Marickar YMF. Presented at 9th International Symposium on Urolithiasis. February 13th - 17th 2000, Capetown, South Africa.

Urinary kidney stone. Marickar YMF. Presented at the Accademic Staff College, Univeristy of Kerala. March 10th 2000, Trivandrum.

Making of an Academic Surgeon. Marickar YMF. Presented at Prof. Raghavachari Oration for the year 2000.

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Clinical trials in drug development is connected with the one day. Marickar YMF. Presented at Seminar on Drug development in pharmaceutical Research. August 3rd 2001.

Parotid Swellings a clinical approach. Marickar YMF. Presented at Annual Conference of Association of Surgeons of India Kerala Chapter. November 3rd – 4th 2001, Calicut.

Depression in patients undergoing mastectomy. Bincy, Marickar YMF. Presented at Annual Conference of Association of Surgeons of India Kerala Chapter. November 3rd – 4th 2001, Calicut.

Correlation of the nutrient intake in different biochemical groups of stone forming individuals and their urine biochemistry. Assim F, Chandran A, Stephen J, Marickar YMF. Presented at Annual Conference of Association of Surgeons of India Kerala Chapter. November 3rd – 4th 2001, Calicut.

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Ultrasound guided FNAC in Thyroid Nodule. Satheesh I, Akbar MA, Nair K, Marickar YMF. Presented at 61st National Conference of Association of Surgeons of India. December 26th - 30th 2001, Patna, Bihar.

Glycosaminoglycans in Urolithiasis. Marickar YMF, Joy M. Presented at 61st National Conference of Association of Surgeons of India. December 26th - 30th 2001, Patna, Bihar.

*Should Ultra Sound Scan be the first investigation in Urinary Stone Detection? Marickar YMF, Stephen J. Presented at 61st National Conference of Association of Surgeons of India. December 26th - 30th 2001, Patna, Bihar.

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Well water users are at risk of kidney stone formation. Stephen J, Marickar YMF, Preetha, Chandran A. Presented as 12th Swadeshi Science Congress. November 5th - 7th 2002. Thiruvananthapuram

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Hospital incidence and risk factors of urinary stone disease in Kerala – A statistical Analysis. Chandran A, Marickar YMF, Jayadevan. Presented at 15th Kerala Science Congress. January 29th - 31st 2003, Thiruvananthapuram.

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Testicular Malignancy. Marickar YMF. Presented at 26th Annual Conference of Association of Surgeons of India Kerala Chapter. May 10th - 11th 2003, Kottayam.

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Does Consumption of Drinking Water Influence Stone Formation. Stephen J, Chandran A, Preetha, Marickar YMF. Presented at 10th European Symposium on Urolithiasis. June 11th – 14th 2003, Istanbul, Turkey.

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Effects of Demography In Stone Composition And Urine Biochemistry Of Urolithiasis Patients. Marickar YMF, Stephen J, Preetha. Presented at Annual Conference of International Medical Sciences Academy. September 26th – 28th 2003, Cochin.

Pancreas and Kidney – The Stone Relation. Marickar YMF, Stephen J, Preetha. Presented at Annual Conference of International Medical Sciences Academy. September 26th – 28th 2003, Cochin.

Drinking water and Oxalate level. Marickar YMF, Stephen J, Preetha. Presented at 17th Annual Conference of Urological Association of Kerala. October 11th - 12th 2003, Kollam.

Oracle Based Diet Evaluation Programme For Detecting The Need For Nutritional Alterations In Urolithiasis Patients. Marickar YMF, Stephen J, Preetha. Presented at 17th Annual Conference of Urological Association of Kerala. October 11th - 12th 2003, Kollam.

Selection of Drugs for Stone Patients. Marickar YMF, Stephen J, Preetha. Presented at 63rd National Conference of Association of Surgeons of India. December 25th - 30th 2003, Pune.

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Oral Potassium Citrate in treatment of hypocitraturia. Marickar YMF, Stephen J. Presented at 64th National Conference of Association of Surgeons of India. December 26th - 30th 2004, Hyderabad.

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Is the Liver affected by Calculogenesis? Sylaja N, Marickar YMF. Presented at Annual Conference of Urological Association of Kerala. May 5th - 9th 2005, Kanady, Colombo, Srilanka.

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Does stone composition vary with demographic variables? Marickar YMF: Presented at 11th European Symposium on Urolithiasis. June 16th – 18th 2005, Coburg.

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Effects of recurrent urinary tract infection on urolithiasis. Marickar YMF, Stephen Jayan, Chandran A: Presented at 11th European Symposium on Urolithiasis. June 16th – 18th 2005, Coburg.

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Comparison of effect of three plant extracts on stone metabolism. Sylaja N, Marickar YMF. Presented at 11th European Symposium on Urolithiasis. June 16th – 18th 2005, Coburg.

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Calculated parameters in assessing stone risk. Marickar YMF. Presented at 9th Cast Secretariat, December 4th 2005 Karachi.

Does Urolithiasis Run in Families? Marickar YMF. Presented at 65th National Conference of Association of Surgeons of India. December 25th - 30th 2005, Jaipur.

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*Tension free Vaginal Tap Obturator Route. Devi R, Marickar YMF. Presented at Peripheral Meet of The Association of Surgeons of India Kerala Chapter. February 12th 2006, Vattappara.

Diabetes and Vascular Surgery. Marickar YMF. Presented at Annual CME of Dr K Kesavan Nair Memorial. April 23rd 2006, Karakonam.

Surgical Management in Acute Coronary Syndrome. Marickar YMF. Presented at Annual CME of Dr K Kesavan Nair Memorial. April 23rd 2006, Karakonam.

Time Management, Transactional Analysis and Personality Development. Marickar YMF. Presented at 11th Refresher Course in Life Science form. November 25th -14th 2006.

The need for citrate estimation in urine of stone patients. Marickar YMF. Presented at 66th National Conference of Association of Surgeons of India. December 25th - 30th 2006, Varanasi.

Should Catheter users be put on prophylactic antilithic agents. Marickar YMF. Presented at 66th National Conference of Association of Surgeons of India. December 25th - 30th 2006, Varanasi.

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