



Curriculum Vitae Of Dr. Harikumar R. Nair MD, MRCP (UK), DM, FRCP (Edin)

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"30 years in Medical profession, I have 20 years of post graduate experience as internist, 19 years of experience as GI physician , last 10 years of which primarily serving as Transplant Hepatologist."

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EDUCATIONAL QUALIFICATIONS/TRAINING/CERTIFICATIONS

Degree	Institution	Year	Recognized by the Medical Council of India (MCI)	Indexed in The FAIMER International Medical Education Directory (IMED)
MBBS	Medical College Trivandrum, India	1990 - 1996	Yes	Yes
MD (Internal Medicine) (3 year residency Program)	Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) Pondicherry, India	1997 - 2000	Yes	Yes
DM (Gastroenterology) (3 year fellowship Program)	Medical College Calicut, India	2001 - 2004	Yes	Yes
MRCP (UK)	The Royal college of Physicians (UK)	2009	Yes	-
FRCP (Edin)	The Royal College of Physicians of Edinburgh	2015	-	-

SUBSPECIALTY TRAINING

Subspecialty focus	Centre	Role	Period
Clinical Training in Hepatology, Liver transplantation & Multiorgan Transplant	University Health Network, Toronto, ON, Canada.	Clinical Fellow	2010 June - 2011 March
Clinical Training in Transplant Hepatology & Perioperative care	PENN Transplant Institute, University of Pennsylvania, PA, USA	Guest Observer	Oct. 7th 2014 – Nov. 6th 2014
Clinical training in Hepatic hemodynamics (HVP, T, TIPS)	INSELSPITAL, University Hospital of Berne, Switzerland	Senior clinical fellow	Aug. 10th 2015- Feb. 26th 2016

I. ORIGINAL ARTICLES & REVIEW (22)

1. Lazar MV, Eapen M, **Nair HR**, Siyad I, Gopalakrishna R. Correlation between insulin resistance and liver histology in patients with nonalcoholic steatohepatitis with and without obesity. *Indian J Gastroenterol.* 2020 Feb;39(1):42-49.
2. Nandish HK, Arun CS, **Harikumar R Nair**, Rajesh Gopalakrishna, Harishkumar, Rama P Venu. Adrenal insufficiency in decompensated cirrhosis patients without infection: Prevalence, predictors and impact on mortality. *J R Coll Physicians Edinb.* 2019 Jun;49(4)
3. **Nair H**, Berzigotti A, Bosch J. Emerging therapies for portal hypertension in cirrhosis. *Expert Opin Emerg Drugs.* 2016 Jun;21(2):167-81. doi: 10.1080/14728214.2016.1184647. Epub 2016 May 23.
4. Hari A, **Nair HK**, De Gottardi A, Baumgartner I, Dufour JF, Berzigotti A. Diagnostic hepatic haemodynamic techniques: safety and radiation exposure. *Liver Int.* 2016 Aug 6. doi: 10.1111/liv.13215. [Epub ahead of print]
5. C. Mohan Shenoy, **Harikumar Nair**, Shine Sadasivan, Harishkumar. Insulin Resistance, Metabolic Syndrome and Hepatic Fibrosis and Their Association with Vaspin and Fibronectin in Chronic Hepatitis. *Endocrine Reviews*, Volume 38, (S) June 2017.
6. Patil S, **Nair HR**, Krishna S, Kumar A, Pillai B, Venu RP, et al. Prevalence of HBV & HCV Infection and Adequacy of HBV Vaccination among Healthcare Workers – A Sero Epidemiological Survey and Knowledge, Attitude & Practice (KAP) Study. *KMJ*, 2016 Dec 30;9(4):139–42.
7. Sagar Patil, Kayalvizhi Nagarajan, Mathew Vadukot, **Harikumar Nair**. Hepatic Osteodystrophy: Prevalence and Correlation with Aetiology and Functional Class. *J Clin Exp Hepatol*, June 2015 Vol 5, S2.
8. **Nair HN**, Shyamsundar S, Menon A, Mumtaz K, Harishkumar K, Vallath B. Adrenal insufficiency in critically ill cirrhotic patients: Prevalence, risk factors and impact on mortality. *J Hepatol.* 2014;60:S215–S359
9. K.H. Ismail Siyad, **Harikumar R. Nair**, V.A. Narayanan, S. Sudhindran. Correlation between postoperative liver function tests and short term (<1 year) mortality following living donor liver transplantation. *J Clin Exp Hep* march 2013, Vol3, S1.
10. Ramamurthi P., **Nair H. R.**, Sudhindran S. Predictors of ICU-Outcome and 3-Month Mortality in Living Donor Liver Transplant Recipients. *Liver transplantation* 2013 : 19;S274-S274)

11. Rao H, **Nair HR**. Liver Transplant Outcome: Case Selection and Timing of Referral are the Keys. *KMJ*. 2015 Nov 16;8(4):12-7.
12. Mathew Vadukoot L, Rajesh Gopalakrishna, Malini Eapen, **Harikumar R. Nair**, Ismail Siyad, Shine Sadasivan et al. Correlation of Insulin Resistance with Liver Histology in Obese Patients with NASH and in Lean NASH. *Journal of Clinical and Experimental Hepatology*, 6, s31, July 2016
13. Krishna Tejaswy, Harshavardhan Rao, Rajesh Gopalakrishna, Ismail Siyad, Shine Sadasivan, **Harikumar Nair** et al. Prognostic Value of Altered Liver Function Tests in Critically Ill Patients. *Journal of Clinical and Experimental Hepatology*, 5, s74, June 2015.
14. V.K. Shakeer, Antony Paul Chettupuzha, **Harikumar R**, A. Syed Ashraf, K. Venugoopal, R. Devishobana. Autonomic dysfunction in extrahepatic portal vein obstruction: Correlation with cardiovascular haemodynamics. *Trop Gastroenterol*. 2003; 24:17-21.
15. **Harikumar R**, Chettupuzha AP, Harish K, Kumar KS, Thomas.V, Sub site specific time trends of carcinoma stomach in North Kerala – a retrospective analysis. *Trop Gastroenterol*. 2005; 26: 76-9.
16. Harish K, Nitha. R, **Harikumar R**, et al. Prospective evaluation of abnormal liver function tests in pregnancy. *Trop Gastroenterol*. 2005;26: 188-93.
17. Sandesh K, Varghese T, **Harikumar R**, Beena P, Sasidharan VP, Bindu CS, Tony J, Harish K, Sunil kumar K, Ramachandran TM. Prevalence of Hepatitis B and C in the normal population and high risk groups in north Kerala. *Trop Gastroenterol*. 2006 ;27(2):80-3.
18. **Harikumar R**, Raj M, Paul A, et al. Listening to music decreases need for sedative medication during colonoscopy: a randomized controlled trial. *Indian J Gastroenterol*. 2006;25:3-5
19. Harish Kareem, **Harikumar R**, Kumar Sunil, Thomas Varghese. Efficacy and a safety of Rigiflex pneumatic dilation of achalasia under direct endoscopy. *Indian J Gastroenterol* 2007;26:96-97
20. Harish K, **Harikumar R**, Sunil Kumar, Thomas V. Videoanoscopy – a useful technique in the evaluation of hemorrhoids. *J Gastroenterol Hepatol*. 2007, Sep 14
21. Thomas V, Tony J, Harish K, **Harikumar R**, Sunilkumar K. Endoscopic abnormalities in the oesophagus after variceal sclerotherapy--a long-term follow up study. *Trop Gastroenterol*. 2007;28(1):24-7
22. Varghese J, Joshi V, Bollipalli MK, Malleeswaran S, Patcha R, **Nair H**, Vij V, Sachan D, Subramanian P, Jain M, Venkataraman J. Role of therapeutic plasma exchange in acute liver failure due to yellow phosphorus poisoning. *Indian J Gastroenterol*. 2020 Dec;39(6):544-549.

II. CASE REPORTS (27)

1. Pancreatitis in Fulminant Liver failure due to rattol ingestion. J Clin Exp Hepatol. 2020(accepted in April 2020)
2. Rajesh Gopalakrishna, Preetham S. Hurkadli, Nazar K. Puthukudy, Harikumar R. Nair. Embolization of Portosystemic Shunt for Treatment of Recurrent Hepatic Encephalopathy. J Clin Exp Hepatol. 2014 Mar;4(1):60-2.
3. Chettupuzha AP, Harikumar R, Kumar SK, Thomas V, Devi SR, Pancreatic pseudocyst presenting as odynophagia. Indian J Gastroenterol. 2004; 23: 27-8.
4. Devi SR, Ashraf SA, Kolassery S, **Harikumar R**, Chettupuzha AP. Congenital esophageal duplication. Gastrointest Endosc 2004; 59:541.
5. Harikumar R, Harish K, Aravindan KP, Thomas V. Testicular Choriocarcinoma with gastric metastasis presenting as haematemesis. Indian J Gastroenterol 2004; 23:233-4
6. Harish K, **Harikumar R**, Aravindan KP, Varghese T. Hepatobiliary pheohyphomycosis with secondary biliary cirrhosis. Trop Gastroenterol. 2004; 25: 172-3.
7. Harish K, **Harikumar R**, Kumar S, Thomas V. Tropical calcific pancreatitis presenting as kwashiorkor. Trop Gastroenterol; 2004; 25: 178-
8. Ahammed SC, Menon A, **Harikumar R**, Harish K, Thomas V. Primary pneumatosis cystoides intestinalis with pneumoperitoneum and spontaneous resolution. Indian J Gastroenterol. 2005; 24:103.
9. Harish K, **Harikumar R**, Kumar S K, Varghese T. Hypertrophic osteoarthropathy associated with corrosive stricture of esophagus. Indian J Gastroenterol. 2005; 24:183-4.
10. Harish K, **Harikumar R**, Kumar RS, Sandesh K, Rajendran V, Thomas V. Umbilical haemorrhage as first manifestation in a case of cirrhosis. Trop Gastroenterol. 2005; 26:93-4.
11. Geo SK, Harikumar R, Varghese T, Rajan P, Aravindan KP. Isolated tuberculosis of gastric cardia presenting as perforation peritonitis. Indian J Gastroenterol. 2005; 24: 227-8.
12. Harish K, **Harikumar R**, Varghese T. Subconjunctival hemorrhage following diagnostic endoscopy. Trop Gastroenterol 2005; 26: 215.
13. **Harikumar R**, Simikumar, Aravindan KP, Thomas V. Abrikosoff's tumour of the esophagus: case report and review of literature. Trop Gastroenterol. 2006; 27:52-3.
14. **R. Harikumar**, AP Chettupuzha, V Thomas, RV Raman, Vasu Chembukkara. Radiological Quiz- Chest. Ind J Radiol Imag. 2005; 15: 137- 138.

15. Varghese Thomas, **Harilumar R**, Antony Paul Chettupuzha, Harish K, Rajendran V. Raman, Sunil Kumar K. Resolution of hydatid cyst of the liver by spontaneous biliary rupture. Ultra sound international. 2004; 10:16-18.
16. **Harikumar R**, Harish K, Varghese Thomas, Aravindan K.P. Tumour where the sun never shines: Rectal malignant melanoma. Calicut Medical Journal. 2004; 2:e5.
17. Harish K, varghese T, Najeeba R, **Harikumar R**. Pyoderma vegetans and ulcerative colitis. J Postgrad Med. 2006 ;52(4):302-3
18. Harish K, **Harikumar R**, Thomas V, Feroze M, Rajan P. Small intestinal diverticulosis presenting as anasarca. Indian J Surg 2006; 68:275-277
19. **Harikumar R**, Simi Kumar, Bobby Kumar, V Balakrishnan. Rapunzel Syndrome. Case re port and review of literature. Trop Gastroenterol 2007;28(1):37-8.
20. Geo Senil K, **Harikumar R**, Simi Kumar, Bobby Kumar, Arun Gopinath. Biliary Carcinoid presenting as acute cholecystitis. Tropical Gastroenterology 2007; 28(1): 37-8
21. **Harikumar R**, Pramod K, Pushpa M, Simi K, Arun G. Gastric Lymphoma presenting as Phlegmonous Gastritis. J Gastrointest Cancer. 2007;38(1):24-7.
22. K. Harish, **R. Harikumar** , V. Thomas : Phytobezoar secondary to gastric carcinoma: A Case Report . The Internet Journal of Gastroenterology. 2008(7) 1
23. **Harikumar R**, Kunnel P, Sunil raj R. Dissolution of Pharmacobezoar using carbonated beverage. Indian J Gastroenterol. 2008 Nov-Dec;27(6):245-6.
24. **Harikumar R**, Thomas N, Mathew T. Small cell carcinoma occurring in a case of ulcerative colitis. Trop Gastroenterol. 2008 Oct-Dec;29(4):224-6.
25. **Harikumar R**, Noble T. Large lipomatous duodenal polyp causing intermittent gastric outlet obstruction. Indian J Gastroenterol. 2009 Jan-Feb;28
26. **Harikumar R** ; Kumar, Simi. Colonoscopy and the role of music therapy: how to go about an ideal protocol? World journal of gastroenterology : 212007, Vol.13(23)
27. Harish Reddy Lingareddy , **Harikumar R Nair** , Joy Varghese , Satishkumar Krishnan , Rajnikanth Patcha , Puneeth Dargan , Vivek Vij. Acute Pancreatitis Complicating Liver Transplantation in a Case of Fulminant Hepatic Failure Due to Yellow Phosphorus Poisoning J Clin Exp Hepatol, Jan-Feb 2021;11(1):154-156.

III. TEXT BOOK CHAPTERS

1. **Harikumar R Nair**, Mathew L Vadukoot. Nonalcoholic Steatohepatiti, Chapter 35, Practical Gastroenterology, Ed. V. Balakrishnan, Jaypee, New Delhi, second edition 20



AREAS OF INTEREST/ PROJECTS CURRENTLY WORKING ON

1. Fibroprogression and cirrhosis in Living liver donors.
2. Pediatric fatty liver disease – sono- epidemiological survey.

REFEREE / REVIEWER FOR INDEXED JOURNALS

1. Journal of Postgraduate Medicine (Medknow, part of Wolters Kluwer Health)
ISSN: 0022-3859
MEDLINE/NLMID: 2985196R
2. Indian Journal of Gastroenterology (Springer)
ISSN: 0254-8860 (Print)
NLMID: 8409436
3. American Journal of the Medical Sciences (Lippincot Williams & Wilkins)
ISSN: 0002-9629
MEDLINE/NLMID: 0370506
4. Case reports in Gastroenterology (Karger)
e-ISSN 1662-0631 (Online)
5. Journal of Gastrointestinal cancer. (Springer)
ISSN: 1941-6628 (Print)
1941-6636 (Electronic)
NLMID: 101479627
6. Indian journal of medical research (Medknow, part of Wolters Kluwer Health)
NLMID: 0374701
7. Journal of Clinical and Translational Hepatology (Xia and He publishing inc, Texas)

LINGUISTIC PROFICIENCY

English Malayalam Hindi Tamil



CLINICAL EXPERIENCE

"I have 23 years post Graduate (MD Internal medicine) experience and 22 years of Gastroenterology practice. After completing post doc fellowship in Gastroenterology (DM) in 2004, served two years as specialist and thereafter have been working as consultant Gastroenterologist from the year 2006 onwards. In 2010, I decided to evolve clinical focus in Hepatology and medical management of Liver transplantation; Spent 9 months at a Canadian liver unit (2010-11) following which served as Transplant Hepatologist at Amrita Institute of medical sciences (AIMS), Kochi, Kerala, Yashoda group of Hospitals, Hyderabad and Gleneagles Global healthcity, Chennai. The Indian transplant programs were all predominantly living donor liver transplant program while the Canadian liver program where I underwent training was primarily a cadaveric transplant program (120-160 cases /year) with a good proportion of living donor cases as well (In fact, the largest living donor transplant program in North America). Having seen more than 800 liver transplants with a good admixture of Living donor and cadaveric in the east and the west, I have accumulated sound working knowledge on case selection, Pre-liver transplant work up, post transplant management in the immediate post operative and long term follow up including Immunosuppression, infections and biliary complications. For further training on transplant post operative care I have spent a month at PENN transplant Institute, Philadelphia, USA(2014). In 2015 I underwent a Senior clinical fellowship in Hepatology with Hepatic hemodynamics as focus at INSELSPITAL, the University hospital of Berne. At INSEL, I was primarily put in a procedure track with protected research time. The procedure expertise which I gained during this tenure at Berne pertains to Hepatic vein pressure gradient measurement (HVPG), Trans jugular liver biopsy (TJLB) and Trans jugular intrahepatic Porto systemic shunt placement (TIPS).




I have served as Consultant Hepatologist for National Health Services, UK at Queen Alexandra Hospital, Portsmouth(2016-2017) and Director of Transplant Hepatology at Yashoda Hospital, Hyderabad(2017-2018) and as senior consultant Hepatologist & Transplant physician at Gleneagles Global Health City, Chennai(2019-2020) . During 2020-2022, I was engaged in visiting consultant tenure at various locations in Kerala(for details, please refer "clinic locations" in my webpage www.drharikumar.com).

Procedural expertise is given below.
(Approximate procedure number, 2001-2020,>18,000)








1. Diagnostic Upper GI endoscopy
2. Diagnostic Colonoscopy & terminal ileoscopy
3. Endoscopic variceal Sclerotherapy (EST)
(Done more than 300; much less after 2006)
4. Endoscopic Variceal band ligation (EVL)
5. Savary Guillard dilatation
6. Pneumatic dilatation (CRE Balloon) of esophageal, colonic and pyloric strictures
7. Injection haemostasis for peptic ulcer bleed
8. Endoscopic haemo clip (Biclip & Triclip) application for peptic ulcer bleed
9. Thermoocoagulation for bleed control
10. Self Expanding Metallic Stent (SEMS) placement for Esophageal malignant strictures
11. Colonoscopic polypectomy using snare cautery
12. Colonic stenting (SEMS)
13. Colonic pneumatic dilatation (CRE)
13. Colonic pneumatic dilatation (CRE)
14. Percutaneous endoscopic gastrostomy (PEG)
15. Pneumatic dilatation (RIGIFLEX) for Achalasia cardia
16. Cyanacrylate Glue injection for Gastric fundal variceal bleed.
17. Foreign Body retrieval using Snare, Roth basket, Alligator forceps, ceser grasping / Rat tooth forceps
18. Liver biopsy (Trucut, USG guided)(>100)
(not performing this procedure from 2009 onwards)
19. Diagnostic and Therapeutic peritoneocentesis (>500)
(Not performing this from 2010)
20. Argon Plasma Coagulation (APC)
21. Endoscopic Retrograde Cholangiopancreatography (Therapeutic ERCP)(>300), performed mostly ERCP for post transplant biliary complications from 2011 onwards
22. SPYGLASS Cholangioscopy

- 23. Spyglass Cholangioscopy & Electrohydraulic Lithotripsy
- 24. Hepatic vein pressure gradient (HVPG) measurement; femoral >100, jugular 29
- 25. Transjugular Liver biopsy(TJLB) observed/assisted 29
- 26. Transjugular intrahepatic portosystemic shunt (TIPS). Observed/assisted-16
- 27. Endobariatrc procedure-Intra gastric Baloon placement for Obesity management

MEDICAL LICENSURE

 <p>Travancore cochin Medical council: TCMC 24967</p>	 <p>Tamil Nadu Medical council: TNMC 135785</p>	 <p>General Medical council of United Kingdom: 7059201</p>
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MEMBERSHIP IN PROFESSIONAL/ACADEMIC BODIES

- 1. Indian Medical Association(IMA-2005) 
- 2. Indian Society Of Gastroenterology(ISG-2007) 
- 3. Royal College Of Physicians of the UK(RCP-2009) 
- 4. American College Of Gastroenterology (ACG-2009) 
- 5. Indian Association of Study of Liver diseases (INASL-2011) 
- 6. European Association of Study of Liver diseases (EASL-2014) 
- 7. Liver Transplant Society Of India(LTSl-2018) 

COURSES & CONFERENCES (55)

1. **Liver transplant society of India (LTSI), Annual national meeting**, Kochi, India, November 2019.
2. **14th International Meeting on Therapy in Liver diseases**, Barcelona, Spain, september 2019.
3. **European Assocaition of Study of Liver diseases (EASL) annual Meeting**, Paris France, April 2018
4. **13th International Meeting on Therapy in Liver diseases** Barcelona, September 2017.
5. **Sheila Sherlock Liver updates**, Royal Free hospital, London, UK. Sep 1-3, 2016
6. **11th International meeting on therapy in liver diseases(ITLD)**, Barcelona, Spain Sepetember, 2015
7. **Swiss School of Hepatology**, Berne, August 2015
8. **Indian Association Of Study of liver diseases (INASL), Annual meeting**, New Delhi July 2015.
9. **Asiapacific Association of Study of Liver disease (APASL), Annual meeting**, March 2015, Istambul, Turkey
10. **American association of Study Of Liver Diseases (AASLD), Annual meeting**, Boston November, 2014
11. **EASL special conference: Optimal Management of Hepatitis B Virus Infection**, September, 2014Athens, Greece.
12. **European Association of Study of Liver diseases (EASL) annual meeting**, London, April 2014.
13. **European Association of Study of Liver diseases (EASL) annual meeting**, Amsterdam, The Netherlands April, 2013
14. **International Liver Transplant Society (ILTS) Annual meeting**, Sydney, Australia, June 2013
15. **American Association of Study of Liver Diseases (AASLD) Annual meeting**, Washington, The USA, November 2013.
16. **Indian Association of Study of Liver Diseases (INASL) Annual meeting**, Hyderabad, March 2013
17. **Indian Association of Study of Liver Diseases (INASL) - Mid-term meeting**, New Delhi, September 2013
18. **Master Class in Liver Diseases**, Global health city, Chennai, Feb, 2013
19. **Indian society of Gastroenterology (ISGCON) Annual meeting**, Ahmedabad November 2013w Delhi.

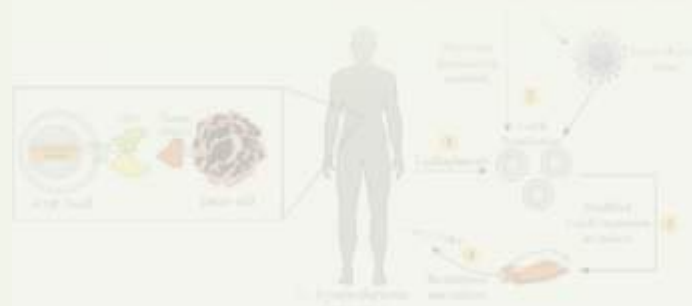
COURSES & CONFERENCES (55)

20. **Indo-US Symposium on Recent Advances in Hepatic Transplantation**, Lake Palace Resort, Alapuzha, India
21. **American Association of Study of Liver diseases (AASLD) annual meeting**, Hyenes convention center, Boston, MA. Nov 2012
22. **25 years of liver transplant at U of T**, 2011 Oct-14th, UHN, Toronto, ON
23. **Symposium on Principles in Immunology**, Sep 25, UHN, Toronto, ON
24. **World Gastroenterology Organisation con**, London, UK, Nov 2009
25. **APDW 2008**, Hotel Ashoka, New Delhi Sep 2008
26. **49th ISGCON** (Annual National Conference of Indian Society of Gastroenterology), 18th-23rd November 2007, NIMHANS Auditorium, Bangalore
27. **48th ISGCON** (Annual National Conference of Indian Society of Gastroenterology), 15th – 18th November 2006, Hotel Grand Hyatt, Mumbai.
28. **47th ISGCON** (Annual National Conference of Indian Society of Gastroenterology), 8th – 12th November 2006, Hotel Grand Hyatt, Mumbai.
29. **Midterm ISGCON** (National Conference of Indian Society of Gastroenterology) 2006, 14th – 16th April 2006, Manipal – Mangalore.
30. **Royal college of Physicians (RCP) London, South Asia conference 2006**. 5th and 6th March, Hotel - The Leela, Thiruvananthapuram.
31. **46th ISGCON** (Annual National Conference of the Indian Society of Gastroenterology) 11th-15th November, 2005, Vishakapattanam.
32. **Workshop on optimising the management strategies in chronic viral hepatitis**. 7th and 8th May 2005. Hotel Le Meridian, Cochin.
33. **14th Biennial conference of the Asian Pacific Association for the study of the Liver**. December 11-15, 2004, Hotel Ashok, New Delhi.
34. **45th ISGCON** (Annual National Conference of the Indian society of Gastroenterology) 1st - 5th October 2004, Birla auditorium, Jaipur.

35. **HIV and HBV/HCV coinfection conference.** 23rd – 26th Jan 2003. Hotel Taj President, Mumbai.
36. **11th Annual Conference of INASL** (Indian Association of Study of Liver), 28th - 30th March 2003. Hotel Hyatt Regency, Kolkatta.
37. **ISGCON – Midterm conference 2003.** Single theme: Colon. 10th and 11th May 2003. Hotel Taj West End, Bangalore.
38. **44th ISGCON** (Annual National Conference of Indian Society of Gastroenterology) November 21st-24th, Hotel Taj Coromandal, Chennai.
39. **Liver and Pregnancy: - Single theme conference.** 24th August 2002. Christian Medical College, Vellore.
40. **Workshop on Molecular techniques in hepatology,** 23rd August 2002. Christian Medical College, Vellore.
41. **10th Annual Conference of INASL** (Indian Association of Study of Liver) 29th-31st Mar 2002, Hotel Ashoka, New Delhi.
42. **Pancreatic disease; Problems and solutions.** International Hepato Pancreatico Biliary Association. September 3rd and 4th, 2002, Lakeshore Hospital, Cochin.
43. **43rd ISGCON** (Annual National Conference of Indian Society of Gastroenterology), November 20th -26th, 2002, Hotel Le Meridian, Cochin

ENDOSCOPY WORKSHOPS

1. **International symposium on Pancreatic and Biliary diseases.** 3rd-5th May 2002, Hotel Taj Exotica, Goa.
2. **Endofiesta 2002.** Live workshop and Symposium on advanced GI endoscopy. 20th Oct 2002, Hotel Taj Coromandel, Chennai.
3. **Advanced Therapeutic Endoscopy course** Conducted by Dr. Amit Maydeo, Mumbai, August 13-15th, 2006
4. **ERCP for Beginners** Conducted by the Asian institute Of gastroenterology, July, 2006
5. **15th International Liver GI endoscopy workshop,** Asian Institute of Gastroenterology, Hyderabad, Feb 28th-March 2nd, 2014.



RESEARCH METHODOLOGY WORKSHOPS

1. Workshop on research methodology for post graduates, Jawaharlal Institute of Post Graduate Medical Education and Research (**JIPMER**, Pondicherry, India) May, 1998
2. Course on Medical Research Methodology conducted by the Association of Kerala Medical Graduates (**AKMG**) in The USA. 24th-27th 2002, Priyadarshini Planetorium, Thiruvanthapuram.
3. Workshop on Research Methodology for Postgraduate students. Organized by **PSBH** (Problem Solving By Health). 6th-8th October, 2003, Medical College, Calicut
4. Workshop on fundamentals of biostatistics and SPSS, May 2011 **BRTC**, Christian medical college, Vellore
5. Systematic review and Meta analysis. March 2012 **BRTC**, Christian medical college, Vellore
6. Good clinical practice (GCP) work shop ,National Institute of Health Research(**NIHR**), June 2016, Portsmouth, UK

