

Curriculum Vitae



Dr. K. GUNASEKARAN
M.D (ANAESTHESIOLOGY), MRCA (UK), FIPM.

CURRENT POST

**ASSOCIATE PROFESSOR IN ANAESTHESIOLOGY,
SAVEETHA MEDICAL COLLEGE HOSPITAL,
CHENNAI**

APRIL 2015

PERSONAL DETAILS

Name : **KALIYAPERUMAL GUNASEKARAN.**

Date of Birth : 28th June 1968

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Virugambakkam,
Chennai-600092
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MCI Registration No. : **51166**

Member of RCOA, London, UK : 634900

ISA Life Member No. : G 615

MEDICAL QUALIFICATIONS

December 1992 : **M.B.B.S.**
Kilpauk Medical College,
Madras University, Chennai, India.

March 1998 : **M.D. in Anaesthesiology,**
Madurai Medical College,
The TamilNadu Dr.M.G.R Medical University.
India.

October 2004 : **FCA, Ireland**

June 2010 : **MRCA, London, UK**

May 2011 : **FIPM, AESCULAP Academy**
(Fellowship in Pain Management)

EMPLOYMENT SUMMARY

PREVIOUS APPOINTMENTS (UK)

- Sept 2005 to May 2010** : **Specialist Registrar in Anaesthetics,**
Central London School of
Anaesthesia (North), UK.
- August 2003 to July 2005** : **Senior Resident (SHO) in Anaesthetics**
University Hospital of Wales, Cardiff, UK

PREVIOUS APPOINTMENTS (INDIA)

- August 1998 to March 2003** : **Assistant Professor in Anaesthesia**
R.S.R.M. Hospital,
Stanley Medical College,
Chennai, TamilNadu, India.
- December 1997-July 1998** : **Junior Medical Officer**
Thiruvampattu Health Centre,
TamilNadu, India.
- October 1994 - September 1997** : **Post Graduate Trainee/Tutor**
M.D (Anaesthesiology)
Madurai Medical College Hospital,
Madurai, Tamilnadu, India.
- April 1993- October 1994** : **Post Graduate Trainee (DA) in Anaesthesia**
Madurai Medical College Hospital,
Madurai, Tamilnadu, India.
- June 1991 -June 1992** : **Pre - Registration House Officer**
Kilpauk Medical College Hospital,
Chennai, Tamilnadu, India.

ANAESTHESIA EXPERIENCE IN UK

SpR in Anaesthetics**UCLH, London
6 Feb 2009 to 21 May 2010.**

At UCLH, I was doing normal day theatre lists in all surgical specialties. I was on obstetric on-call rota. During this period I gained experience in difficult airway management and simulation based teaching methods.

SpR in Anaesthetics**Chase Farm Hospital, Enfield
6 Aug 2008 to 5 Feb 2009**

At chase farm hospital I was on obstetric on-call rota.

SpR in Anaesthetics**Barnet General Hospital, Barnet
6 Feb 2008 to 5 Aug 2008**

At BGH, I was on the obstetrics on-call rota. During normal hours I gained experience in anaesthesia for General surgery, trauma and orthopedics, plastics, vascular, day surgery, ENT. I did 3 presentations during regular departmental teaching sessions.

SpR in Anaesthetics**UCLH, London
4 June 2007 to 5 Nov 2007**

At UCLH I was on obstetric on-call rota. I gained experience in managing complicated obstetrics including obstetric pain relief methods.

SpR in Anaesthetics**The Royal Free Hospital, London.
4 Sept.2006 to 3 June 2007.**

I joined the Royal Free Hospital on 04-09-2006. At RFH I was on the Obstetrics on-call rota.

During normal hours I have been posted in Neuro, Urology, General, Gynae theatres. I have done 2 weeks of Pain module, including chronic and acute pain. Here I gained experience in neuro anaesthesia, chronic pain blocks, pain clinic. I regularly attended weekly journal club and teaching sessions.

SpR in Anaesthetics**Colchester General Hospital
5 Sept 2005 to 3 Sept.2006**

I joined the Colchester General Hospital on 05-09-2005. I have done 3 months module in obstetrics, ITU and General (including vascular, ENT, dental, ophthal, ortho, gynae).

Skills acquired; During ITU posting I learnt Haemo-Filtration techniques, Lung recruitment strategies.

I gained experience in regional blocks including 3 in 1, lumbar plexus, sciatic blocks. I learnt Sub-Tenon eye blocks during ophthal posting.

I have done **Fibre-optic intubation course** in Colchester. During this course I gained hands on experience in fibre-optic intubation skills. We got intubated (awake) each other.

I have done 2 presentations in cardiac physiology and cardiac anaesthesia in the departmental teaching sessions.

**Senior Resident
In Anaesthetics.**

**University Hospital of Wales (UHW)
and Llandough Hospital, Cardiff,UK.
(Aug. 2003 to July2005)**

University Hospital of Wales is one of the largest teaching hospitals in UK(1000 bedded). Llandough hospital(500 bedded) is attached to UHW.

I completed the initial test of competency in the first three weeks of job. Then I have been undergoing modular training of 3 months each;

Sep. 03 to Nov. 03	ITU, University Hospital of Wales.
Dec. 03 to Feb. 04	General Surgery, Urology, ENT, Paediatrics, and Neurosurgery, UHW.
Mar 04 to May 04	General Surgery, Ortho, Gynaec and Vascular, Llandough Hospital.
Jun 04 to Dec. 04 (6 months)	Obstetrics, University Hospital of Wales.
Dec.04 to July05	General Surgery, Ortho, Vascular and Obstetrics, Llandough Hospital.

My Duties and Responsibilities included:

- Perioperative anaesthetic management of patients including covering the acute pain service, ITU and maternity unit.
- Anaesthetic first on call covering theatres, wards, ITU and A&E.
- Cardiac arrest team member.
- Transfer of critically ill patients.
- Participation in monthly audit meetings and regular teaching programmes.

Skills acquired:

- Resuscitation-CPR, pre-operative optimization and fluid management.
- Airway management- difficult airway assessment and management, LMA, ETT, Fibreoptic intubation (supervised).
- Neuraxial blockade- spinal, epidural, CSE.
- Nerve blocks- brachial plexus block, hernia block, 3 in 1 block, popliteal block.
- Invasive lines-arterial, central lines, vascath, PICCO lines.
- Ventilatory support, renal support and nutritional management.

- Team work, communication and management.

ANAESTHESIA EXPERIENCE (IN INDIA)

Assistant Professor in Anaesthesia

R.S.R.M. Hospital, Chennai, India.
Stanley medical college, Chennai.
August 1998 to February 2003

R.S.R.M. Hospital is a 500 bedded Maternity Hospital which is attached to Stanley Medical College, Chennai. It is affiliated to "The TamilNadu Dr.M.G.R Medical University, Chennai".

I gained experience in Anaesthetic management of all type of Obstetric and Gynaecological surgeries. I was resident 2nd on call (1 in 7) for emergency theatre and ICU. (During on-call, the number of emergency caesarian sections varied between 7 and 10). I have actively participated in the department's teaching sessions for post graduate trainees, Undergraduate medical and nursing students and paramedical staff.

Postgraduate Trainee M.D. Anaesthesiology

**Madurai Medical College Hospital,
Madurai, TamilNadu, India.**
October 1994- September 1997

I joined the Department of Anaesthesiology, Madurai Medical College Hospital, for M.D. in Anaesthesiology after a competitive examination. This 1500 bedded teaching hospital, one of the largest in South India, is affiliated to the TamilNadu Dr.M.G.R. Medical University, Chennai.

During the first six months of posting, I underwent **basic training in anaesthesia** including pre-operative assessment, General anaesthetic techniques, spinal and epidural techniques and other regional blocks.

During my next two years of posting in Anaesthetics, I underwent **modular training** in the following specialties:

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|----------------------------------|--------------------------------|
| • General surgery - 3 months | • Obstetrics / Gynae -3 months |
| • Ortho / trauma - 2 months | • Cardiothoracic -2 months |
| • ENT/ Ophthal - 2 months | • Neuro - 2 months |
| • Urology / Plastics - 2 months | • Paediatrics - 2 months |
| • Intensive Care Unit - 6 months | |

In addition to regular elective lists, I was resident first on call for emergency cases (2nd year) and second on call (3rd year).

During this posting I did a dissertation on "Acute Normovolaemic Haemodilution" in Gynecological Surgeries. At the end of the training period, I was awarded M.D. in Anaesthesiology after an examination (written, clinical and viva) which I have passed in the first attempt.

Experience in General Medicine and intensive Care (in INDIA)

During my post graduate training in M.D. Anaesthesiology, I did **six months posting in General Medicine** which provided me experience and training in out patient clinics, in-patient wards and coronary care unit. At the end of that posting, I have passed an examination in General Medicine which comprised of written, clinical and viva elements.

The Six months posting in Intensive Respiratory Care Unit at Madurai Medical College Hospital offered me a valuable training and experience in the management of patients with respiratory failure due to various causes (especially organophosphorous poisoning, snake bites). I was also trained in principles and application of various ventilatory therapies and invasive monitoring techniques.

Other Medical Training and Experience

Junior Medical officer

**Thiruvampattu Primary Health Centre,
TamilNadu, India.**

December 1997- July 1998

During this period I was deputed to various 24 Hrs Primary Health Centres and Camps in rural places. I was involved in primary care of patients including resuscitation of patients with multiple trauma.

Pre - Registration House Officer

**Kilpauk Medical College Hospital,
Chennai, TamilNadu, India.**

June 1991 -June 1992

During this period I did rotational training (3 months each) in General Medicine, General Surgery, Obstetrics and Preventive Medicine.

RESEARCH & PUBLICATIONS :

1. During my post graduate training, I have done the following research project:

A comparative Study of Diluents (Crystalloid vs. Colloid) in Acute Normovolaemic Haemodilution.

It was a randomized, prospective study on 50 patients presenting for major gynaecological procedures using Ringer's lactate and Polygeline during moderate haemodilution. The aim of the study was to compare haemodynamic variables between the two groups. This study was accepted by The TamilNadu Dr. M.G.R. Medical University and I was awarded MD (Anaesthesiology).

My Contribution: Ethical committee approval, consent, mobilizing patients and follow-up, performing the technique in theatre, collecting data and analyzing it and presenting the paper in conference.

This study was published in IJBMS, June 2014.

2. Published an original research article in International Journal of Basic Medical Sciences (IJBMS) vol 1 issue 4 August 2010, on “**Efficacy and Safety of Diclofenac Sodium and Etoricoxib in controlling Post Extraction Dental Pain – A Randomised Open Label Comparative Study**”.

3. I was one of the co investigators for the study on “**A questionnaire based assessment of Learning styles of Medical students of various medical colleges of Tamilnadu – A multicentric study**” conducted during 2010.

4. I had published a case report of **submental orotracheal intubation** for lip haemangioma in IJBMS, Oct 2014

AUDIT EXPERIENCE

I had done an audit on “**Preoperative Fasting in adults**” at University Hospital of Wales, Cardiff, UK.

Aim: To compare current practice with standard recommendations.

Outcome: About 55% of adults had fasted more than 12 hours.

Recommendations: To follow RCA guidelines for fasting in adults.

At present I am one of the core-members of clinical audit committee at Saveetha Medical College Hospital.

TEACHING EXPERIENCE

Throughout my career I have actively involved in both formal and informal teaching. I taught basic airway management and intravenous cannulation to medical students, nursing staffs and paramedics. During my M.D. Anaesthesiology, I have presented the following topics in the departmental meetings.

- Anaesthetic differences between adult and paediatric patients
- Respiratory monitoring in IRCU
- Interpretation of ABG
- Principles of Cardio-pulmonary Bypass

I have done two presentations in department's teaching session at University Hospital of Wales.

- Anatomy and Physiology of Paediatric Anaesthesia
- Physiology of Neuromuscular transmission.

I have done two presentations in cardiac physiology and cardiac anaesthesia at Colchester General Hospitals departmental teaching. I have done three presentations at Barnet general hospital,UK.

PRESENTATION OF SCIENTIFIC PAPER

Presented a paper (oral presentation) on “**Acute Normovolaemic Haemodilution**” at XIV ISA South Zone Conference 1997 at Thanjavur, India, on 20th July 1997.

MANAGEMENT EXPERIENCE

I had been captain of college cricket team for two years (Kilpauk Medical College).

I have the experience of managing family functions in India.

I have the experience of working in a team especially in delivery suites.

I used to prepare on-call rotas for junior trainees.

COURSES AND WORKSHOPS ATTENDED

- Nov 1995** : “Workshop on ventilators”, ISA, Chennai, India.
- Sept' 1999** : Workshop in airway management
4th SACA Congress, Chennai, India.
(South Asian Confederation of Anaesthesiology)
- February 2005** : **ALS course** at Bristol, U.K.
- April, 2005** : Medical communication course, London
- 3 March,2006** : Awake Fibreoptic Intubation course, Colchester, UK.
- 23 April 2010** : Difficult airway workshop, oxford, UK
- 30 April 2010** : Ultrasound RA workshop, RCA, London, UK
- 10 June 2010** : **Cadaver Workshop on Intervention pain management, Guy’s Hospital, London, UK**
- 29 November 2012** : **International Conference on Quality Assurance and Patient Safety, Royal College of Physicians and Surgeons of Glasgow and Balaji vidyapeeth, at Pondicherry**

Workshops conducted.

- July 2010** : **Ultrasound guided Nerve blocks**
SRM medical college, Chennai
- Nov 2014** : **Simulation training in non-technical skills**
Saveetha medical college, Chennai.

PERSONAL INTERESTS

I am a keen sports lover especially of cricket and football. I had represented college cricket teams during undergraduate and post-graduate periods. I regularly practice yoga and meditation. I love listening to light music. I am very fond of comedy and action movies.

CAREER ASPIRATIONS:

My special interest is pain management(acute and chronic) including obstetric pain management . At present I am managing pain clinic at saveetha medical college hospital and planning to develop it further. I am interested in developing simulation based training methods.