

Brochure 2014

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Dedicated to



PADMASHRI (DR) LT COL GWG BIRD, MBBS., FRCPath., Ph.D (Lond), D. Sc

(1916 – 1997)

Dr George William Gregory Bird was born in 1916. He graduated in Medicine in 1941. Every doctor or scientist in Transfusion Medicine and Immunohaematology will be indebted to Dr Bird for his prolific work in this field. He served with British Base Transfusion Units in the Middle East and in India. During World War II, he trained medical officers in the diagnosis and management of traumatic shock, dehydration and heat stroke.

On 01 May 1948, he established the oldest blood bank in India at its present location at the Armed Forces Medical College, Pune. In 1951 in the laboratory of this department he attained international fame for his discovery of the specific agglutinating activity of human group A₁ red cells in extracts of *Dolichos biflorus*. What followed was a plethora of discoveries with the important recognition of anti-T (*Arachis hypogea*) in peanuts. He was ably assisted in all his pioneering work by Havildar/BTA E J Joseph of AFMC. Lt Col "Bird" was considered the "King of

Lectins and Polyagglutination" for his interest in "seeds" and he co-authored many books with his close associate, "Wingham"!!

In 1961 he was made personal in-charge of medical arrangements for the visit of Her Majesty, Queen Elizabeth II to India and Nepal. Same year he was also responsible for the blood transfusion needs of India's first President, Late Dr Rajendra Prasad during his terminal illness. He soon attained additional qualifications of FRC Path and Ph.D from London. He was awarded the title "Padma Shri" by the Government of India in 1963 for his services to blood transfusion in India and in 1964, he was awarded the Indian Medical Council's Silver Jubilee Award and Gold Medal.

In 1966 he returned to UK where he was appointed Consultant Pathologist and Director of the Regional Blood Transfusion Service in Birmingham until his retirement in 1981. During this period he developed a large and very active service which became one of the most highly automated and computerized transfusion services in the world. In view of his academic interests, he was made Honorary Senior Clinical Lecturer, Department of Immunology, University of Birmingham. He was also ISBT Regional Counselor (Western European Division) from 1980 to 1984. In 1980 the American Association of Blood Banks distinguished him with the Morten Grove Rasmussen Memorial award. Finally, in 1981, he was awarded the Oliver Memorial Award for his services to blood transfusion in Britain.

In 1981, he retired from the Blood Transfusion Services and was appointed Honorary Consultant to the West Midlands Regional Health Authority and became a Senior Research Fellow in Clinical Genetics at the University of Birmingham. In 1982 he was appointed Consultant Advisor to the International Blood Group References Laboratory, then at Oxford, England, and was its Director (1986-1987), continuing later as its Honorary Consultant. He was elected President of British Blood Transfusion Society (1985-1987) and was appointed President of the Oliver Memorial Fund for Blood Transfusion in 1986. He received the Karl Landsteiner Memorial Prize, the premier award of the American Association of Blood Banks in 1989.

He served on many important committees :

- Haematology Expert Group of Indian Council of Medical Research (ICMR)
- UK Department of Health and Social Security's Advisory Committee of the National Blood Transfusion Services.
- Council of Europe Select Committee of Experts on Automation and Quality Control in Blood Transfusion Laboratories.
- International Society of Blood Transfusion (ISBT) Working Party on the Terminology for Red Cell Surface Antigens.
- ISBT Working Party on the socioeconomic aspects of Blood Transfusion.

He published over 200 scientific papers as well as a number of chapters in textbooks and reference manuals. His research interests for over 45 years spanned the anthropological, biochemical, clinical, genetic, immunohaematological and oncological aspects of blood groups. His publications were numerous, mainly concerned with human red blood cells and haemoglobin variants, blood groups and disease, particularly malignant disease; red blood cell membrane abnormalities, chiefly red blood cell cryptantigens and polyagglutinability; human blood group mosaics and chimeras; and automation and computerisation in the blood transfusion services.

What about the man behind the Scientist ? He was a wonderful human being with a great sense of humor. He enjoyed singing and poetry and was a much sought after after-dinner speaker. He died of renal failure on 29 March 1997. He leaves behind his wife, Ruby and three daughters, Ann, Margaret and Dorothy and four grand children.

A salute to the multifaceted doctor scientist Padmashri (Dr) Lt Col George William Gregory Bird.

Acknowledgement:

Inputs from old records available with Department of Transfusion Medicine and Vox Sanguinis, Oct 1997 Pg 133 -134.

Compiled by Dr(Brig) GLN Swamy

Former Prof & Head Dept of Transfusion Medicine AFMC, Pune-411 040.(1999 – 2001)



KARPAGAM FACULTY OF MEDICAL SCIENCES & RESEARCH

(Approved by Medical Council of India and Affiliated to the Tamilnadu Dr. MGR Medical University)

Pollachi Main Road, Othakkalmandapam, Coimbatore - 641 032.

E-mail : karpagammedicalcollege@gmail.com,

Phone : 0422-6452888, 6464433 Fax : 0422-2980023

Date :

It's indeed heartening to note that on 01.10.2014, the Tamil Nadu Chapter of Indian Society of Hematology & Blood transfusion was established by the untiring efforts of Dr.(Brig) GLN.Swamy. His objective is to enhance the knowledge and to update the skills of those in the fields of Haematology, Haemto-Onology, Blood Banks, Transfusion medicine and Regenerative medicine.

The banyan tree of Pathology is spreading into many wings and branches. Thanks to the dedicated efforts of visionaries like Padmashree (Dr.) Lt. Col. GWG. Bird and others, the health benefits of Blood and Components banking & handlings is unimaginable. Days are not far off where soon would be a day wherein we have factories for blood production.

The news that the Tamil Nadu Chapter is going to publish a brochure on Haematology brings new hope for those in the field. Developments in research activity are made known only when it is published. The establishment of such a platform for Research & Publication is definitely welcome news for those in the field. Hope is that people in the field utilize the opportunities and I pray the Lord Almighty to shower His choicest blessings on this Big Blood Group.

All the Best!

R.VASANTHAKUMAR

Chairman

Karpagam Medical College

TAMILNADU CHAPTER- INDIAN SOCIETY OF HEMATOLOGY AND BLOOD TRANSFUSION®

TC-ISHBT®

Society Reg no: 320/2014 Coimbatore,1 /OCT/1014



Dear friends,

Greetings from Tamilnadu Chapter!

On the 15th Jun 2014, we started our journey as a modest body of Coimbatore Chapter of Indian Society of Haematology & Blood Transfusion. By 1st October we were transformed into Tamilnadu Chapter- Indian Society of Haematology and Blood Transfusion with the goals of achieving excellence in the fields of Haematology, Haemato-oncology, Blood Banking, Transfusion Medicine and Regenerative Medicine. This is a huge responsibility but I am sure with the help of our very learned Executive Committee members, we will be able to enhance the knowledge and update the skills of our colleagues working in these fields in Tamilnadu.

We want to bring out a Brochure every year in December for the benefit of our members and medical fraternity. I am grateful to all sponsors – Dr K Raghu, Dr Prasanna Kumar, Dr S Kannan, Dr T Rajasekar, Dr V Neelakanthan (Coimbatore), Dr PM Subramanyam, Dr C Nagarajan, Dr N Jagdeesan (Salem), Dr PM Krishna Murthy (Madurai) and Dr R Varadarajan (Chennai), who made the Tamilnadu Chapter a reality and I pray to the Almighty to give us strength to make our Chapter a model to follow.

I will be failing in my duty if I don't acknowledge the encouragement and financial support bestowed on the Chapter by Hon'ble Chancellor and Chairman of Karpagam Charity Trust Dr R. Vasanthakumar and Madam Trustee, who kindly allowed the Chapter to function in the premises of Karpagam Medical College Hospital.

Best wishes for a very happy and prosperous new year 2015 to all members and their families of Indian society of Haematology and Blood Transfusion on behalf of Tamil nadu chapter.

Dr.(Brig) GLN Swamy

H.O. #208, 1st Floor Karpagam Hospital, Pollachi Main Road, Coimbatore – 641 032. Tamil Nadu. India
Contact Details : President : 9655014226, Email : glnswamy45@gmail.com

B.O. #315, "BABAJI" Vakil Hosur Hills, Hosur – 635109. Tamil Nadu. India
Contact details : Incharge : 9972096165, Email : saigopalam82@gmail.com

Dr (Brigadier) GLN Swamy VrC

Qualifications

Graduate of Kurnool Medical College, Kurnool, Andhra Pradesh in 1970

DCP AND MD (Pathology) from Osmania Medical College, Hyderabad in 1978

Experience

- Joined as Tutor in Anatomy in JJM Medical College, Davangere, Karnataka from 70 to Apr 71
- Commissioned in Army Medical Corps as Captain in Jun 1971
- Posted as Pathologist in various Military Hospitals including AFMC Pune
- Professor of Pathology and Professor & HOD Transfusion Medicine in AFMC Pune from 1999 to 2001
- Commandant of Armed Medical Forces Depot, Lucknow from 2002 to 2003
- Retired from Command Hospital Airforce , Bangalore as Consultant in Pathology in 2004

- After retirement served as Professor of Pathology in Vydehi Institute of Medical Sciences, Bangalore. Vinayaka Mission Krupananda Warriar Medical College, Salem, PES Institute of Medical Sciences & Research, Kuppam, Andhra Pradesh from 2004 to 2009
- Medical Director of International Stemcell Services Ltd, Bangalore from 2009 to 2011
- Joined Karpagam Faculty of Medical Sciences & Research, Coimbatore in Jan 2012

Achievements

- Awarded Vir Chakra, gallantry medal in 1971 Indo Pak war. Only doctor from Andhra Pradesh, Karnataka and Tamilnadu to receive the medal in 1971 Indo Pak war.
- Receptient of Maj Gen SarupNarain Medal for standing first in Pathology in 1976
- Established the first Umbilical cord derived HaematopoieticStemcell Bank in India in AFMC Pune in collaboration with NCCS Pune in Dec 2000 – a DBT Project
- Best Medical Stores Depot Trophy for achieving the targets and modernizing the Depot – 30 Crore budget Depot – AFMSD Lucknow in 2003
- As Medical Director of International Stemcell Services Ltd, conducted clinical trials in Osteoarthritis and Peripheral Vascular Diseases using Autologous Stemcells and proved the efficacy of Stemcell therapy
- Founder President of the Karnataka Chapter of Indian Society of Haematology and Blood Transfusion in Bangalore from 2012 to 2014
- Founded the Tamilnadu Chapter of Indian Society of Haematology& Blood Transfusion in Coimbatore in 2014
- In the process of setting up 5 beds Bone Marrow Transplant Unit and a Stem cell Laboratory in Karpagam Medical College Hospital, Coimbatore
- Organizing clinical trials in Osteoarthritis in Ortho One Hospital, Coimbatore and Non healing ulcers in Karpagam Medical College Hospital, Coimbatore using Mesenchymal Stem Cells (MSC)
- **Sponsor :Karpagam Charity Trust**

Mission: To set up as many Stem Cell Therapy Units as possible within reach of common man

DR. PRASANNA NEDUNGADI KUMAR

Dr. Prasanna N Kumar is presently Professor and Head of the Department of Pathology at PSG Institute of Medical Sciences & Research, Coimbatore, India.

Dr. Prasanna received her postgraduate degree in Pathology from Kasturba Medical College; Manipal and later on had her training in Transfusion Medicine and Haematology in the US. She was awarded two prestigious fellowships by the Educational Commission for Foreign Medical Graduates (ECFMG) under their International Medical Scholars Program and trained in Transfusion Medicine and Haematology at the Puget Sound Blood Center; Seattle and at the Georgetown University Hospital; Washington D.C. She has publications in international journals like *Blood*, *British Journal of Haematology* and *Stroke* from her research in platelet polymorphisms in coronary artery disease and stroke.

Dr. Prasanna Kumar has been associated with the International Network for Cancer Treatment and Research (INCTR) since 2007. She has brought out guidelines for blood transfusion in Pediatric Haematooncology patients – these guidelines are available on the wiki and should soon be available in the supportive care handbook of the INCTR.

Dr. Prasanna has been associated with INCTR activities in Tanzania, Kenya and now in Ethiopia. She is part of the Steering committee of the 'Ethiopian Paediatric Oncology Project' set up by Georgetown University Hospital, Washington D.C. and the International Network for Cancer Treatment and Research (INCTR), USA. This involves visits to the laboratories at the Black Lions Hospital, Addis Ababa for assessment and upgradation of local laboratory services and conducting teaching sessions in Haematology and Pathology to residents and consultants in Pathology, Haematology and Paediatrics. She is actively involved and contributes to the IPath programme which is an online teaching platform for consultation and research in Pathology.

Name : **Dr. P.M. SUBRAMANIAM**, M.D.(Pathology)

Date of Birth : 29.11.1949

UG Degree : M.B.B.S.,
Govt. Chengalpat Medical College,
Madras University, Madras,
1975.

PG Degree : M.D. Pathology,
Madurai Medical College,
Madurai Kamaraj University, Madurai,
1981-1984.

Marrital status : Married.
Dr. Mrs. R. Muthulakshmi, B.Sc., MBBS.

Service particulars : Voluntary Retirement from Govt. Mohan
Kumaramangalam Medical College on 28.2.2003.

Joined Vinayaka Mission's Kirupananda Variyar
Medical College & Hospitals, Salem on 1.3.2003.

Present status : Dean,
Annapoorana Medical College & Hospital, Salem,
Tamil Nadu.

Life Member of : Indian Medical Association
Indian Association of Pathologists and Microbiologists.
ISHT.



BIO-DATA

NAME : **Dr.N.JAGADESAN,**

QUALIFICATION : (a) **M.B.B.S.,**
(Madras Medical College)(year **1977**)
(b) **D.L.O.,**
(Madras Medical College)(year **1980**)

EXPERIENCE :

- (a) Worked as **ENT Surgeon** from year **1980 to 1986**
in rural area of Backward Dist
Dharmapuri as **ENT SURGEON.**

Worked as Blood Bank Medical Officer
from 1989 to **1990** in Private Blood Bank.

- (b) Now Running my own modern Blood Bank
M/S SITHIVINAYAGAR BLOOD BANK,SALEM-7
from Nov **1990**,having License to
manufacture whole Blood and Its
Components.

TRAINING :

- (a) **KEM Hospital** Bombay in **1991** two weeks,at the Blood Bank.
- (b) CMC Vellore,(Dec **1991**) for **special serology.**
- (c) A Bench Workshop at SINGAPORE For **ELISA and WESTERN BLOT** Techniques
In July **1989.**
- (d) Dec **1992** Hyderabad red cells Serology.

MEMBERSHIP :

- (1) Life Member of ISHBT. (No 271).
- (2) Life Member of ISBTI. (from 1992)
- (3) Life Member of IMA. (from 1985)
- (4) Life Member of ASI. (from 1990)
- (5) Life Member of BHARATH SCOUTS.(from 1991)
- (6) Life Member of IRCS.(2000)
- (7) Member Governing Body TNSBTC.

SOCIAL ACTIVITIES:-

- (a) Rendered Free ENT Service to **HINDU MISSION Dispensary** at Krishnagiri from(1981 to 1986).
- (b) Rendered Free ENT Service to **SRI RAMAKRISHNA MISSION Dispensary**,from (1987 to 1992)at SALEM.
- (c) Worked as **Assistant Dist Commissioner** in **BHARATH SCOUTS**.From **1992 to 1993**.
- (d) Free Blood Grouping for the public in the year **2003** at Govt. Exhibition along with IRCS – Total **6250** Nos.
- (e) Free blood grouping for Schools & College Students done **every year**.(JRC,YRC)
- (g) Free Blood grouping for **Kavery Polytechnic** **800** students in the year **2006**

Dr R Suthanthira Kannan

- **MBBS** Madurai Medical College 1988
- **MD (paed)** Madras Medical College 1993

Hematology training Christian medical College, Vellore 1998-99

- **FRCPA** (Fellowship in hematology)

Sydney, Australia 1999-2003

(worked one year exclusively in allogenic bone marrow transplant unit at Sydney)

- Specialist in Hemato-oncology Kuwait Cancer Control centre 2005-07

KUWAIT

- Consultant Hemato-oncologist at GKNM Hospital, Coimbatore since Jan2008 and started stem cell transplant (bone marrow transplant) unit in Coimbatore.

Papers published:

- Risk factors for CMV reactivation post transplant
- Rituximab induced bone marrow necrosis in lymphoma
- Imatinib use in cholestatic liver disease
- Review on Elderly Acute Myeloid leukemia.
- High dose methotrexate induced acute renal failure managed with high flux dialysis and mega dose folinic acid.

Member

Indian Society of Hematology,
Royal college of Pathologists of Australia
American Society of Hematology
Society for Advanced flowcytometry in India

Area of interest:

- Minimal Residual disease in leukemia

BIO DATA OF Dr.K.RAGHU

Date of Birth: 24 Oct 1954

MBBS Coimbatore Medical College completed 1977

MD PGI Chandigarh completed 1981 in Pathology

Worked in Clinical Haematology UK for 3 yrs and obtained Diploma in Haematology 1985

Practising Clinical and Diagnostic Haematology in Coimbatore since 1987

Interested in Diagnostic Hematology, Hemato-Oncology and Stem Cell Transplantation.

Member of the Indian and American Society of Hematology

Attached to Kongunadu, Kuppaswamy Naidu, Ramakrishna and PSG Hospitals as Visiting Haematologist

Private Clinic at Arunodhaya Medical Centre, Goodshed Road, CBE

OTHER INTERESTS:

Established IMA Blood Bank in Coimbatore in 2005 and is its Hon. Technical Director.

Active freemason since 1992

Widely travelled and interested in photography and nature

Married to Lalitha, they have 2 sons both IT professionals