

MADRAS MEDICAL
COLLEGE

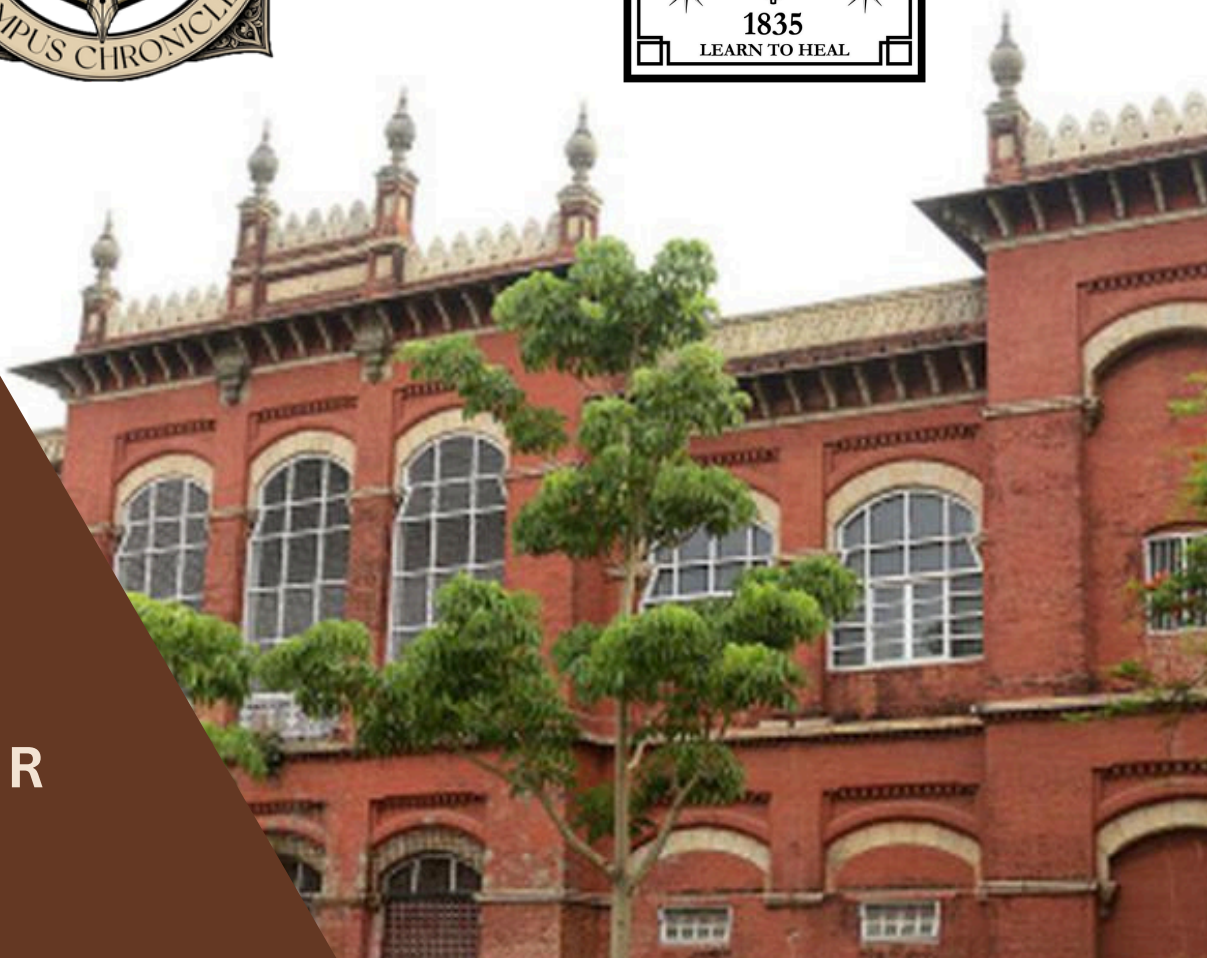
16 NOVEMBER
2025

THE CAMPUS CHRONICLES

THE ECHOES OF OUR JOURNEY



DREAM
DEFINE
DELIVER





THE CAMPUS CHRONICLES



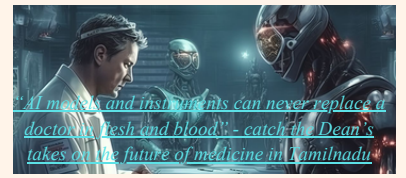
WALL OF HONOUR



INSTITUTIONAL INSIGHT



INTERVIEW



CLINICAL CASE



STUDENT ACTIVITIES



HISTORY SNAPSHOT



FROM THE DEAN'S DESK

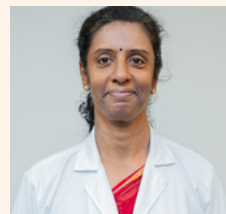
Madras Medical College stands as an enduring symbol of excellence in medical education, uniting heritage and progress on its historic campus in Chennai. Over generations, this institution has shaped doctors, healers, and leaders who serve the nation and the world, carrying forward a legacy rooted in compassion, scientific inquiry, and public service.

The college is far more than a place of learning—it is a community where lifelong friendships are formed, academic curiosity ignited, and the spirit of service nurtured. The corridors echo with stories of past alumni whose contributions continue to inspire. Our commitment is not only to academic rigor, but also to fostering empathy, resilience, and leadership among our students and faculty, preparing them for real-world healthcare challenges.

In these pages of Campus Chronicles, let us celebrate every success, cherish our rich heritage, and remain committed to continual growth and innovation. Let each member of our college embrace the responsibility to listen, learn, and heal—not just within these walls but across the communities and the world at large. May the light of Madras Medical College continue to shine far and wide, guiding future generations toward excellence and compassionate care.

FROM THE EDITOR'S DESK

I take pride and immense sense of privilege to write this message as Editor in chief of the Madras Medical College's maiden newsletter. This newsletter stands testament to our commitment towards excellence in academic, patient care and also extracurricular activities which includes sports and cultural extravaganza. I take the liberty to call it "capturing the Momentous Minutes of MMC". It carries with it a personal touch and an unmatched vibe to reach out to everyone from the faculty to the novice medico stepping into MMC with pride that he belongs to the creamy layer of chosen intellects who got admitted into the college, which everyone aspires to be in.



In this newsletter, in each issue we plan to bring up the latest achievements and the achievements in extracurricular activities, interesting clinical case scenerio, updates on milestones in every aspect of the college and hospital, so as to give a platform to the diverse voices which form the ethos of MMC. This will be an opportune platform for contribution from all members of our community which will bolster the spirit of MMC, encouraging a spirit of compassion, comradarie echoing the core values that have shaped MMC since its inception in 1835.

Let this newsletter, apart from reporting our collective achievements as a team, be a platform for newer collaboration to continue to shine as a beacon of knowledge and service in the world of healthcare and medical education. I invite all members, students, faculty and alumni to participate in shaping MMC's march towards excellence.

HEADLINES

INSTITUTIONAL UPDATES

CAMPUS VOICE

ACADEMIC & RESEARCH DIGEST

MMC VERSECRAFT

THE CLUB ARCHIVES

STUDENT ACHIVEMENTS

INTERACTIVE CONTENT



The Wall of Honour: A symbol of Hope

Guided by the Honorable Chief Minister of Tamil Nadu and as per Budget Announcement No. 9 in the Legislative Assembly, a Wall of Honour, as a mark of respect for the deceased organ donors from Madras Medical College and Rajiv Gandhi Government General Hospital, was constructed within the premises of RGGGH. The Wall of Honor was inaugurated by the Honorable Minister for Health and Family Welfare, Thiru Ma. Subramaniam, in the presence of the Honorable Minister for Hindu Religious and Charitable Endowments, Thiru P. K. Sekar Babu, on 5th November 2025 at 5 p.m.

This function was attended by the Honorable Mayor Ms. Priya Rajan; the Principal Secretary, Department of Health and Family Welfare, Dr. P. Senthil Kumar, IAS; the Dean of Madras Medical College, Dr. K. Shantaraman; the Dean of Government Stanley Medical College, Dr. A. Aravind, faculty, staff, and the general public.

The engraved names on the wall are not letters on stone, but a living pledge: these individuals entrusted others with life at its most vulnerable moment. Their legacies now serve as catalysts—to elevate donation rates, to secure healthcare equity, and to manifest a public-health ecosystem where service and sacrifice are institutionally honoured.

By commemorating these donors at RGGGH, the government reinforces a clear policy narrative: that infrastructure alone isn't enough, but that acknowledgment, public leadership and civic participation are equally essential. The Wall of Honour becomes both a memorial and manifesto—anchoring trust, inspiring action, and elevating every donor into the permanent record of altruism that drives our collective health future.



MADRAS MEDICAL COLLEGE ALUMNI ASSOCIATION	
FOUNDING EXECUTIVE COMMITTEE	
02.10.2025	
PATRON	: DR.K.SHANTARAMAN
PRESIDENT	: DR. SUDHA SESHAYAN
VICE PRESIDENT	: DR.SATHYA PALANISWAMY
SECRETARY	: DR. K PREMICKUMAR
HEADQUARTERS SECRETARY	: DR RAGHAVENDRAN R
TREASURER	: DR. P BALAPRIYA
EC 1	: DR. A ARAVIND
EC 2	: DR. A GANESH

Madras Medical College Alumni Association

Madras Medical College marked a pivotal milestone, with the long-awaited inauguration of its official Alumni Association, formalising decades of collective legacy into a structured, future-focused framework. The registered headquarters office was inaugurated by the Honourable Minister for Health and Family Welfare Thiru Ma. Subramaniam in the presence of the Honorable Minister for Hindu Religious and Charitable Endowments, Thiru P. K. Sekar Babu, the Honorable Mayor Ms. Priya Rajan the Principal Secretary Department of Health and Family Welfare, Thiru P.Senthil Kumar IAS, the Dean of Madras Medical College, Dr. K. Shantaraman and the founding executive committee of Madras Medical College Alumni Association. The founding executive committee—comprising of senior distinguished alumni, and key academic leaders—was inducted on 02.10.2025, setting the foundation for a more organised and effective alumni network.

The new association enables MMC to mobilise its alumni for academic support, mentorship, research collaboration, and resource development. With its leadership now formally established, the institution strengthens its ability to align alumni engagement with strategic priorities. This launch creates a functional platform that will directly enhance institutional capacity, streamline collaboration, and support MMC's long-term growth.

INFOGRAPHICS

INSTITUTIONAL INSIGHTS

NEUROSURGERY

- 26/06/2025 – Institute Day Oration delivered by Dr. Krish Sridhar.
- 20/08/2025 – The Best Brainstem Death Certifying Team – South Award was presented to MMC & RGGGH, Tamil Nadu by the Union Minister for Health and Family Welfare, Shri Jagat Prakash Nadda, and the National Organ and Tissue Transplant Organization, on the occasion of the 15th Indian Organ Donation Day at New Delhi.

1



2

HEPATOLOGY

28.07.2025 – World Hepatitis Day was observed with a series of awareness programmes, screening initiatives, and educational campaigns aimed at promoting early detection, prevention, and public understanding of viral hepatitis. Faculty, students, and healthcare professionals actively participated, reinforcing the institution's commitment to community health and disease prevention.



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DIABETOLOGY

10/09/2025 – Diabetology Institute Day and 13th Professor Sam GP Moses Oration

ANESTHESIOLOGY

1. 27.07.2025 - Annual Anaesthesia conference conducted by Institute of Anaesthesiology and Critical Care, RGGGH and MMC
2. 9.08.2025 & 10.08.2025 hands-on Cadaveric Anesthesia Nerve Block Workshop, headed by Pioneer Dr Sandeep Diwan and his team, providing a unique opportunity for participants to enhance their skills in regional anesthesia.

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ORTHOPEDICS

- Institute of Orthopaedics and Traumatology celebrated Institute Day on 9.09.2025

INFOGRAPHICS

INSTITUTIONAL INSIGHTS

BIOCHEMISTRY

- Tandem Mass Spectrometry Hands on training was held for postgraduates from Stanley, Jipmer and MMC on 20.6.2025 & 21.6.2025, postgraduates from CMC, SRMC and KMC on 14.7.2025 & 15.7.2025 and postgraduates from Saveetha, Government KAPV and Madurai Medical college on 11.08.2025 & 12.08.2025
- Randox hands on training was held for our postgraduates on 28.08.2025



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ANATOMY

SKULLBASECON 2025 26th Annual Conference of the Skull Base Surgery Society of India was conducted along with a hands on Skull Base workshop by the Institute of Anatomy

DERMATOLOGY

25.06.2025 – Continuing Medical Education (CME) on Vitiligo: An insightful academic session focusing on the latest advances in the diagnosis, pathogenesis, and management of vitiligo, aimed at enhancing clinical understanding and therapeutic approaches among healthcare professionals.

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MEDICINE

- On 12.06.2025, a guest lecture on Approach to fever of unknown origin was held, with Dr. Ram Gopalakrishnan, Senior Consultant, Institute of Infectious Diseases, Apollo Hospitals as the speaker.
- Institute Day was celebrated on 12.07.2025, with Prof. DR.K. Narayanasamy, Vice Chancellor of The TamilNadu Dr.M.G.R.Medical University as the chief guest.

The event had three orations:

- 3rd Prof.R.Alagappan endowment Oration by Prof. DR.K. Narayanasamy, Vice Chancellor of The TamilNadu Dr.M.G.R.Medical University
- 6th IIM- MMC Gold medal oration by Prof.C.Rajendiran. distinguished professor, The TamilNadu Dr.M.G.R.Medical University, former director and professor, Institute of Internal Medicine, MMC & RGGGH.
- 5th Prof.A.Rathinasabapathi endowment oration by Prof.Jayanthi Venkatraman, former HOD, MGE, Stanley Medical College, Chennai, Consultant Gastroenterologist & hepatologist, Glencagles Hospital, Chennai.
- PG Final year summit in clinical medicine was held on 29th August, presided by our Dean DR.K.Shantaraman.

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NEPHROLOGY

- 13/09/2025 – Prof. M.S.P. Gold Medal Examination – State-level Clinical Exam for Postgraduates (Medicine, Pediatrics, Geriatrics).
- 23/09/2025 – Best Performance in Kidney Utilisation under CMCHIS (Deceased Donor Renal Transplant) – Awarded to Madras Medical College

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PEDIATRICS

Institute of Child Health and Hospital for Children holds regular Clinical society meetings and Journal Club meetings attended by a number of Professors and students. Symposium was held by the postgraduate students and Colloquium was held by the other faculty.

INFOGRAPHICS

INSTITUTIONAL INSIGHTS

PHARMACOLOGY

- 13/06/2025 – PHARMAZE – Academic Quiz conducted for II MBBS students.
- 17–21/09/2025 – 5th National Pharmacovigilance Week (NPW) celebrated with events for II MBBS, BDS, M.Pharm, BSc Nursing, Allied Health Sciences students, and the general public.

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PSYCHIATRY

14.09.2025 – IMH conducted World Suicide Prevention Week event in Elliot's beach with Thiru Ma.Subramaniam Minister of Health and Family welfare as Chief guest.

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RADIOLOGY

9.8.2025 & 10.8.2025 - Barnard Institute of Radiology 18th Postgraduate Primer course

Lt Col W.R. Browne Dean's Rolling Shield

For Best Academic & Research Performance Awarded to the
Institute of Community Medicine
for Academic and Research work done, presented during the 79th Independence Day
15-8-2025

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COMMUNITY MEDICINE

04.06.2025 - One day training for assessors for Health Facility Assessment of PHCs and CHCs in Focus Blocks, Tamil Nadu
05.07.2025 - Training in Qualitative Research for field researchers for Persistent Anemia among Adolescent Girls in Tamil Nadu.
17.07..2025 - Retired DPH Dr. T.S. Selvavinayagam sir's interaction with undergraduate students & inauguration of E research and VC hall at ICM
19.07.2025 - Questionnaire Testing by subject experts and field researchers for the Persistent Anemia among Adolescent Girls in Tamil Nadu project
15.08.2025 - Institute of Community Medicine receiving the Lt Col WR Browne Shield for Best Academic Performance
REVIVE, PG Refresher Course held at ICM, MMC from 12.08.2025 to 14.08.2025 for Medical Colleges affiliated with MGR University and 19.08.2025 to 21.08.2025 for Deemed Universities
24.09.2025 & 25.09.2025 - DNB Practical Exam, conducted by the Institute of Community Medicine
26.09.2025 - Nutrition Medal Exam for Undergraduates, ICM, MMC

UROLOGY

- 23.09.2025 - The Institute of Urology received the first prize shield from the Thiru Ma.Subramaniam Minister of Health and Family welfare for performing the highest number of cadaver kidney transplants in Tamil Nadu last year

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INFOGRAPHICS

INSTITUTIONAL INSIGHTS

MEDICAL ONCOLOGY

Medical Oncology Ward received the Major D.Raja Dean's Rolling Trophy for well maintained ward in RGGGH

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CARDIOLOGY

29.09.2025 – World Heart Day Celebration:
A spirited observance dedicated to raising awareness about cardiovascular health, emphasizing preventive care, lifestyle modification, and the importance of a healthy heart through interactive sessions, screenings, and educational activities.

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HAEMATOLOGY

- 19/06/2025 – World Sickle Cell Day Celebration.
- 05/08/2025 – Haematocon Postgraduate Quiz – College Level conducted.

SURGERY

MMC SURGICON 2025 (July 15–17)

- The flagship three-day surgical meet featured workshops, paper and poster competitions, expert panels, and keynote sessions, offering trainees a national platform for academic exchange, skill refinement, and research presentation.

Endotrainer Workshop (Johnson & Johnson Institute)

- A focused hands-on laparoscopic skills session was conducted for postgraduates to enhance foundational endotraining competency.

Guest Lecture (26.8.2025)

- Dr. Thasneem Banu delivered a special interactive session and guest lecture on: "Healthcare-Associated Infections with Special Reference to Surgical Site Infections"

Diabetic Foot OPD

- A dedicated Diabetic Foot OPD was conducted in collaboration between the Institute of General Surgery and Diabetology. The service included comprehensive neuropathy assessment, essential diagnostic tests, and structured wound care management, ensuring early detection, timely intervention, and holistic care for patients with diabetic foot complications.

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PHYSIOLOGY

Dr.C.M.Harika & Dr.S.Subha ,Final year postgraduates of Institute Of Physiology & Experimental Medicine,Madras Medical College bagged the first prize in the state level quiz competition in Endocrinology conducted by Tirunelveli Medical College & Association of Physiologists of Tamilnadu on 13th of June 2025.

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Campus Voice

MESSAGE TO THE FUTURE

The editorial team met our Dean as a part of the “Campus Voices”. Dr. K. Shantaraman, Dean of Madras Medical College, in a reflective conversation with the Campus Chronicles editorial team, outlined a broad vision for the future of medical education and healthcare. Asserting that “medicine has always been data,” he underlined the evolution from early clinical documentation to today’s rapidly expanding computational capabilities and cautioned that doctors must urgently bridge the gap between clinical wisdom and data science. “We have been handling data since the time medical science started. Whatever we study today is because someone, somewhere, handled data, analysed it, understood the analysis, and documented an interpretation of it.”

Team CC asked his views on integrating data science with medicine. He observed that doctors have always analyzed and interpreted data, but flagged a disconnect in the current scenario, as computational capacity far outpaces traditional clinical training. Doctors were never trained in computational systems all these years, and the ability to use that computational power lies outside the medical system. Without core clinical experience, data scientists interpreting medical data, could sometimes be erroneous and could lead to false interpretations being introduced into clinical work. He called for urgent action in integrating data science into medical curricula and emphasized the need for medical teachers to understand data science and learn to collaborate with data specialists, who are presently outside the core medical science sphere.

“AI models or instruments can never replace a doctor in flesh and blood. A smiling doctor talking to a pained patient — that can never be replaced.”

The Dean firmly dismissed fears of doctors being replaced by AI, he was categorical that on the contrary artificial intelligence was an invaluable tool to enhance, clinical decision-making. “Empathy and Ethics,” he stressed, “are traditional values that can never be replaced.” AI, he suggested, will help doctors provide better, faster decisions, while maintaining the irreplaceable human element in patient care.

“Genomic medicine, family medicine, palliative care are all unexplored areas. There is nothing to worry about producing more doctors; we need to explore new frontiers.”

Team CC expressed concerns on the rapidly increasing numbers of medical colleges and medical seats in the country. He assuaged our concerns of medical graduate saturation, explaining that India’s doctor-population ratio at the current 1:1400 still lags far behind optimal standards. This, he opined, justifies continued expansion of medical education, especially in certain states where there is a lack of good health care. But he was optimistic that in an advanced state like Tamil Nadu, more doctors could mean many of them diversifying into newer fields like genomic medicine, family medicine and palliative care, which are relatively untapped areas in Tamil Nadu.

“The cost of whole genome sequencing has come down from ₹20 lakh to around ₹25,000. Our institution should soon look at genomic sequencing as part of routine clinical workup.”

His opinion on Personalized and Precision Medicine was equally optimistic, as he envisioned that in the near-future genomics will find its inclusion in routine clinical workups in the institute. But cautioned that precision medicine and personalized medicine, demand integration of population-scale genomic and large epidemiological

datasets, both from clinic and community. This hence invites greater involvement and need of collaborative research efforts.

“It is only the clinician who knows what the patient needs and what he lacks to treat him. Every discovery begins with a problem statement — and that comes from the doctor.”

On biomedical innovation, the Dean’s tone sharpened with purpose when he called on clinicians to become problem-identifiers to be at the heart of medical innovation ecology. Citing successful partnerships at work at Tata-IISc and IIT Kharagpur, he said “We have a mature medical system, but we lack the industry connect. It is high time that our medical colleges start looking for partnerships with institutions that specialize in computational sciences and product development.” He advocated that our institution needs to foster deep collaborations with engineers, data scientists, and industry, to close current gaps in drug research and innovative product development and prototyping.

“A satisfied, happy doctor contributes better to patient care than anybody else. Financial stress can add to the emotional stress a doctor faces and affect clinical decisions.”

Team CC editorial tabled diverse concepts of the whole doctor and well-being. The Dean reflected passionately on lifestyle management, financial literacy, and emotional balance. He was emphatic that a content, well-rounded doctor, involved in the arts and wellness, is better equipped to care for patients.

To a query on the legacy of MMC and the need to brand the institution, he emphasized “*You are standing on a soil layered with 190 years of history. Madras Medical College created medical science for the entire Asian region. The first doctors in many parts of this country were from here.*” He defined branding not as a slogan, but as a personal standard: “*When someone sees you practice with quality, they should ask you, ‘Where did you graduate from?’ and when you say MMC, that in itself becomes the brand.*” His final words resonated the inner self of an educator: “*When you leave the institution your quality brands the institute, but when you are in the institution, you need to brand yourself as an MMCian and live to imbibe the quality inherent to the institution.*”

Team CC walked out of the room with the message that Madras Medical College is here not just for producing quality practitioners of medicine, but the next generation of visionary doctors who are ready to bridge world of clinical science and data-driven advances, with the inherent values of empathy and institutional excellence.



Patient at admission



Patient at Discharge

The Wolf in Sheep's Clothing: Severe B12 Deficiency Mimicking immunodeficiency

The story began innocuously — a two-month-old girl, born full-term and thriving, returned with relentless fever and plunging blood counts. Her history was shadowed by tragedy: an elder sibling lost at age two to a suspected marrow failure.

Initial findings painted a picture of bicytopenia — hemoglobin 6.3 g/dL, platelets 94,000/ μ L, ANC 1,200/ μ L — but no organomegaly or infection focus. Bone marrow appeared normal; HIV, bacterial cultures, and HLH screens came back negative.

Empirical antibiotics — cefotaxime, then meropenem and vancomycin — were deployed, soon joined by amphotericin B for suspected fungal sepsis. Yet, the storm raged on.

Her blood indices dipped further. Then, a new villain emerged — Cytomegalovirus (CMV). Quantitative PCR screamed 312,000 copies/mL. She was started on Ganciclovir followed by Valganciclovir and IVIg. The viral load fell — but the fever did not

By day 75, another twist: **jaundice, hepatomegaly, and striking hyperpigmentation** appeared. Lymphocyte subsets plummeted

CD3⁺ <300/ μ L, CD19⁺ <2%, CD56⁺ <50/ μ L the perfect masquerade of (SCID) Severe Combined Immunodeficiency. Plans tilted toward marrow failure management.

But one clue glimmered in the darkness — the **hyperpigmentation**. Could this be a metabolic imposter, not an immune catastrophe?

A repeat B12 test stunned the team: >2,000 pg/mL — paradoxically high. Active fraction, holotranscobalamin, was vanishingly low (<5 pmol/L). The puzzle clicked a **transport failure**, not deficiency.

Empirical methylcobalamin (1,000 mcg IM, alternate days $\times$ 5) and cyanocobalamin (1,000 mcg $\times$ 2) were initiated on day 85 — a calculated leap of faith.

Within three days, the fever vanished. By day 90, hemoglobin soared past 10 g/dL, platelets and neutrophils normalized, immune subsets rebounded (CD3⁺ >1,000/ μ L), and CMV cleared.

Next-generation sequencing sealed the mystery: a homozygous TCN2 mutation (c.733A>C) — Transcobalamin II Deficiency.

The child now thrives on weekly cyanocobalamin (1 mg IM), her growth curve climbing beyond the 95th percentile — a life once veering toward transplant, now restored by a vitamin.

Implication

This case highlights TCN2D's SCID mimicry, where high total Vitamin B12 deceives, but low holoTC reveals functional starvation. In consanguineous infants with cytopenias/infections, routine holoTC assay is imperative. Empirical methylcobalamin—bioavailable and bypassing transcobalamin—enabled swift reconstitution, affirming its safety and efficacy over cyanocobalamin initially. This averted bone marrow transplantation, emphasizing metabolic differentials in immunology.

Early holoTC evaluation and empirical Vitamin B12 therapy transformed a potential SCID trajectory into a curable disorder, reinforcing vigilant parameter assessment in pediatric practice.

DATE	08/04	12/04	15/04	19/04	25/04	24/05	28/05	30/05
HB	6.3	4.2	5.5	6.8	3.4	6	8.3	13
TC	7400	4200	3100	4200	1100	14700	11200	13,200
NEUTROPHILS	-/89	-/92	-/90	-/86.5	-	40	42	38
PCV	20	13.3	17	21	11	19	22	36
PLATELET	94000	29000	12000	50000	9000	55000	2.38 Lakhs	3.20 Lakhs
MCV	99	98.5	91	86.4	92	85	87	88
RBC	2.1	1.3	1.9	2.4	1.2	2.2	2.2	4

By: Varshitha KK, 3rd year MBBS, MMC, Dr Devaram, Final year Postgraduate, Institute of Child Health, MMC; Editorial support by Poojamalini K, 3rd year MBBS, MMC

Under the guidance of Professor Dr Durairasan MD, DCH, Institute of Child Health, MMC

“Rebuilding Hearts, Redefining Future: A New Era for CHD Patients”

Congenital Heart Disease (CHD) is one of the leading causes of neonatal and infant mortality worldwide. In India alone, nearly 2 lakh babies are born annually with CHD, yet many lack the access to advanced surgical interventions. Traditional valve replacements, though lifesaving, fail to thrive in a growing child, necessitating multiple reoperations that carry high costs, risks, and emotional burden.

Partial Heart Transplantation (PHT) is a groundbreaking solution that addresses this limitation. In this procedure, only the diseased cardiac valves are replaced with living donor semilunar valves capable of growth.

Case at a Glance

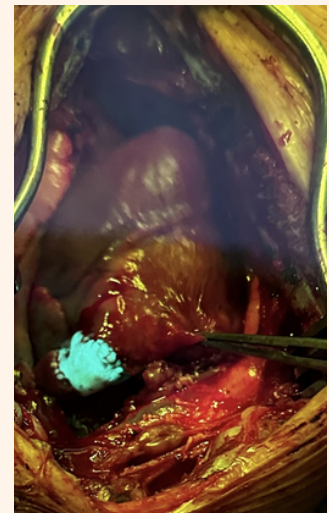
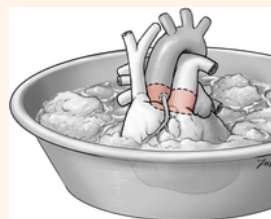
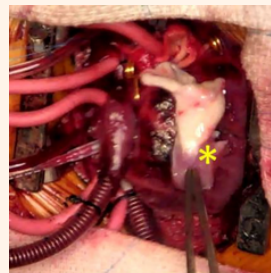
It was first successfully performed in Duke University Hospital, North Carolina, creating a milestone in congenital cardiac surgery.

A case series involving 19 patients, ranging from neonates to adults, with various congenital heart defects such as Truncus arteriosus, Tetralogy of Fallot, and Severe Aortic stenosis, was conducted. Unlike traditional cryopreserved valved-conduit homografts, the implanted valves in PHT are living and show true growth with significant increases in valvular annulus diameter and leaflet length. Remarkably, all the valves functioned well without significant stenosis or regurgitation, and there were no valve-related reoperations or significant immunosuppressive complications.

The inherent promise of partial heart transplant lies in its ability to provide living and growing tissue, something that the mechanical and bioprosthetic valves cannot achieve. The advantages of PHT extend beyond growth potential.

This technique promotes organ stewardship through the use of innovative split-root and domino techniques. It paves a way to expand the donor pool by re-routing valves even from hearts that are unsuitable for full heart transplantation. Interestingly, some patients continued to show graft growth even after tapering or discontinuing immunosuppressants like tacrolimus and mycophenolate mofetil, suggesting a possible development of immune tolerance unique to the heart valve

In the Indian context, Partial Heart Transplant approach could revolutionize pediatric cardiac care in regions like Tamil Nadu- abode to several high-volume cardiac centers- by offering a one time, growth-compatible valve replacement, reducing repeated surgeries and costs. Moreover, India's organ donation programs can integrate PHT to maximize donor heart utilization strengthening organ stewardship.



Partial Heart Transplantation represents a paradigm shift in the management of congenital heart disease. PHT could evolve to include living tissue patches for repairing other congenital heart defects such as pulmonary artery or vein stenosis and can even enhance complex procedures such as the Ross operation.

The choice of semilunar valves as the initial focus stemmed from the relative procedural simplicity and the well-established methodology for valve root harvesting and implantation. In contrast, extending PHT to include the atrioventricular valves is more complex, given the intricacies of the subvalvular component.

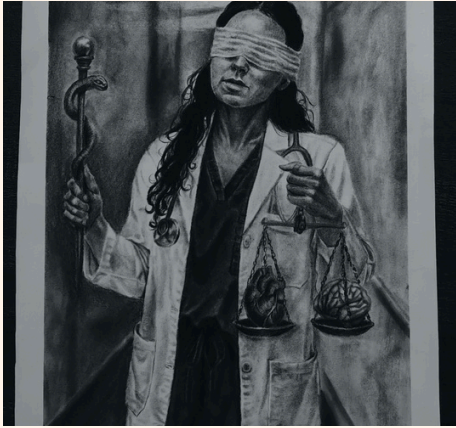
Partial Heart Transplantation is not merely a surgical innovation – it is a glimpse into the future of regenerative cardiac medicine. It offers a viable, durable, biocompatible, and potentially lifelong solution for CHD patients. While more research is needed to fully understand its long-term implications, its translation into Indian cardiac centers could drastically improve the outlook for thousands of children with CHD, offering them not just longer life, but a better quality of life.

Reference: Overbey DM, Aykut B, Kucera JA, Medina CK, Sethi NJ, Barker PCA, et al. Partial Heart Transplant for Congenital Heart Disease. JAMA. 2025 August 27;334(12):1077.

Written by : K Poojamalini, 2023

Editorial contribution: VS Adithyan Chellaram, 2024

VERSECRAFT



FINE ARTS CLUB



The fine arts club conducted their first ever intra college competition, for which several gorgeous pieces of art were created. In collaboration with the welfare club, they also undertook the mammoth task of redecorating our campus walls with eye catching wall paintings.

The Anatomy of a Final Draft

Love, a four lettered word
To which I write these four letters to.
To my parents,

The perennial paradoxes.
Their love, a locked cupboard;
Always promised, never poured.
Every argument was a soliloquy.
Only the door gave me an audience,
Creaking like an arthritic limb.
The heavy air muffling my small voice,
Swallowing my sentences whole.

I hope you loved me, more than
You made me believe I was.
I hope I wasn't the horrible daughter
You painted me to be.

To my brother,
The blueprint of brilliance.
With me, the printer ran out of ink.
And here I am, a smudged copy.

by Samyuktha JP

They hold up his whiteboard life,
A surface that never remembers a wound
Against my chalkboard self, where
Every failure leaves its dust in my lungs.

I hope I knew how little you think of me,
How I've had to live in your shadow.
I hope you know that you've saved me,
And thrown me under the bus.

And, to the adult I would have been—
I'm sorry for stealing your life.
You would have been smothered
By the weight of reason; turned into
A garden trimmed into lifeless symmetry.

You would have hauled the barren boulder
Of someone else's golden goal,
Existed without eruption;
I'm doing us a favour,
A mercy for the self you'd despise.

THE WINDOW

I sit and watch the pigeon on the railing outside my window.
It's become a ritual now, gazing at the pigeon
as the noise of the bustling market rises to meet my ears —
waiting for something to move me in any direction,

waiting for something to give me leave to love myself again,
waiting for something to make me feel like I have a purpose in this life.
waiting for something to make me feel like I have a purpose in this life.

As the whistling and vendors calling out to customers
and the smell of fried batter
fight for entry with my sealed windows which reflect my face,
I wonder if it's me who denies anything to touch me,
if I have lingered so long in my slumber that I perceive it as comfort.
I reach my hands out to touch a yellow fallen leaf through the glass
and find that I can't touch it.

As the leaf on my window morphs into raindrops,
I still see the pigeon sitting on my railing,
and the noise of the vendors —
this time selling umbrellas and raincoats — reach me.
I wonder if my life is just like that of a bird's,
going through the routine of my life like everyone expects me to.
I wonder how it must be to deter from the path I am going on,
to feel the danger of not knowing my next step on my path.

I wonder for the first time in what feels like forever
if the stillness I live in
is a paradise or a parrot cage that I put myself in.
And when the raindrops disappear
and the blistering sunlight reflects off the window,
I notice that the pigeon is missing.
I wonder if the pigeon has dared enough to let go of the routine,
to fly into the endless sky —
or if it had died living this unmemorable life.

READ MORE @ unscripted1835.wordpress.com

The Club Activities



Welfare club

Welfare club started off with commissioning a trophy cabinet that stands tall in the entrance of the college. Then we introduced new food items and juices in the canteen that operate in a rotation system and are trying to come up with better prices. If anyone has any suggestions for the menu, do contact the welfare secretaries.

We varnished the wooden board on the right side of the college entrance, to make way for the Johnstone medal entries and had the boy's hostel outer wall white washed, for new paintings made by our own students.

The wall just outside the lecture halls whitewashed to bring a mural painting that best fits the subjects which represent that floor.

This project is in its very early stage and welcomes all those who would like to participate (with ideas or artistic talent). New blinds for the second-floor lecture hall have also been installed.

Most excitingly, we have started the ground work for the alumni meet event, to be held on Jan 4th of 2026, and we're very happy to announce the name of the event to be "LEGACY". Flyers have been sent out to the alumni.



Eco Club [@mmc_ecoclub](#)

World Environment Day was celebrated on June 5th and united students for a greener, cleaner, and more sustainable future.

Medical Relief Wing

[@mmc_blood_donors_club](#)

To mark Doctors' Day on July 1st, our Medical Relief Wing joined hands with the Department of Transfusion Medicine, RGGGH, to organize a Blood Donation Camp that witnessed wholehearted participation from students, interns, and faculty members, each contributing to the noble cause of saving lives.



Tamil Mandram

[@tamilmandram_mmc](#)

The Tamil Mandram of our college is a vibrant platform that celebrates the richness of the Tamil language and nurtures literary, artistic, and cultural talents among students. Our "Panuval" Monthly Book Readers' Club has been inspiring students to explore and discuss timeless works of Tamil literature, fostering a deeper appreciation for reading and intellectual exchange.



The Literary and Quiz Society

[@la_litteratie_mmc](#)

[@mmcquizclub](#)

This year, the Literary club debuted a brand-new event in Revivals, our college's intercollege cultural extravaganza – X - cape room, an escape room challenge. The event followed a storyline in which, a set of participants were locked inside the lair of a mad scientist and had to escape through challenges that were a triple threat of out of the box thinking, finesse of the fingers, and a race against time. We had a hull house turnout of 40 participants from other colleges, and 30 participants from MMC. We also conducted several Quizzes and debating events in Revivals along with monthly book club meets and offline quizzes as a part of regular club activities.





White coat ceremony

On September 22nd, 191st batch of Madras Medical College entered the campus's hallowed halls. The white coat ceremony welcoming them into the forays of our college was presided over by the Director of Medical Education and Research Dr. Suganthi Rajakumari and our Dean Dr.K.Shantharaman. After taking the holy Hippocratic Oath and donning their white coats for the very first time, the students embarked into their foundation course.



Student Council Inauguration

The student council body is a team of passionate individuals elected and appointed to represent the voice of the campus, foster unity, and ensure the holistic development of our community. This year's council brings together creativity, dedication, and shared vision of making our institution more vibrant, inclusive and forward thinking. As they took office on Aug 04, 2025, the student council pledged to listen, act and inspire. Together, they will carry the spirit of our college forward, making their tenure truly memorable.



REVIVALS 2025: Tactus Thesmophoria

Flashing lights. The electric buzz of the powerful music. Students clad in celebratory attire, scurrying around. Fireworks. Both literal and figurative as the event of the year took center stage.

Revivals has been a time-honoured tradition of MMC, an opportunity where students could showcase their cultural talents and their leadership prowess. This year the event was conducted by the **2022 batch – RyoRaventronz** from **September 27 to 29** and drew a massive crowd from all over the state.

The first day began with the opening ceremony presided by our respected Dean sir Dr.K.Shantharaman. Traditional dance, theatrical events and the Fashion Parade were the highlights of the night. Day 2 delivered with a flourish with musical and singing events at the forefront and the campus reverberated with the energy of the proshow performed by Sridhar Sena and Malavika Sundar. Day 3, the culmination of the efforts of our students, was filled with extraordinary dance performances and a special guest appearance by Mirnalini Ravi and Saranya. Off the stage there were nearly twenty events that saw immense participation.



Madras Medical College NCC Cadets Excel in Training and Ceremonial Excellence

The NCC cadets of 1 (TN) Medical Unit, Madras Medical College, brought pride to their alma mater through exemplary performances across multiple prestigious camps and events in 2025.

At the Combined Annual Training Camp (CATC) held from 7th–16th October 2025 at Sathyabama Institute of Science and Technology, Sriperumbudur, the cadets bagged First Place in Football, First Place in Volleyball, and Third Place in Firing, while also presenting the Guard of Honour to the Commanding Officer—an honor marking their discipline and leadership under ANO Lt. Colonel Dr. S. Anbuselvi Mattuvar Kuzhali.

Earlier, from 18th–27th June 2025, at the Thal Sainik Camp (TSC), St. Joseph's College of Engineering, Chennai, cadets demonstrated superior skill in obstacle training, firing, and ceremonial duties, earning high commendation for professionalism.

During Independence Day celebrations at MMC, the cadets commanded by CUO Gokul T presented a flawless Guard of Honour to the Dean, Dr. K. Shantaraman, marking a proud patriotic tribute. The unit also rendered a Guard of Honour to the Group Commander during his visit—symbolizing the discipline, precision, and unwavering spirit that define MMC's NCC legacy.

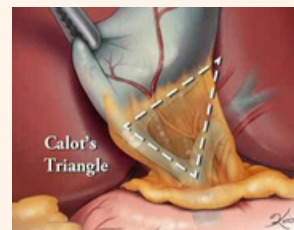


Clean & Green Campus project

Keeping our campus clean is a collective responsibility, and our **Eco Club** took a big step in that direction! Dustbins were placed at convenient spots all around the college, making it easier for everyone to keep the surroundings neat and litter-free

Our college entrance now welcomes everyone with a splash of green and colour! **The entrance lawn** was beautifully recreated with fresh grass and charming flowering plants and transformed into a cheerful, vibrant spot that radiates positive energy every morning..

Our campus bridge just got a beautiful makeover! **Bougainvillea on Bridge Project**, lining the bridge walls with pots of colourful bougainvillea. The vivid blossoms now add life and charm to the bridge, creating a perfect blend of nature and architecture.



Father of Neurology:

Jean Martin Charcot (1825 – 1893), student of Claud Bernard, was appointed to the post of Senior Physician at Salpêtrière in 1862. It was merely a house of refuge for old women with 4000 beds. In a short time span he could generate enormous clinical material especially in the field of neurology. Charcot's greatest contribution to neurology, included studies of multiple sclerosis (**Charcot's disease**), amyotrophic lateral sclerosis, tabes arthropathy (**Charcot's joint**), cerebral localization, spastic paralysis, aphasia, neurosis and hysteria. He noted the frequency with which the lenticulo striate branch of MCA was involved in stroke (**Charcot's artery of cerebral hemorrhage**). He also described phosphate crystals found in bronchial asthma (**Charcot Leyden crystals**) and **Charcot's intermittent hepatic fever** in suppurative cholangitis and **Charcot–Marie–Tooth disease**.

Achievements in sports and cultural

Over the past three months, MMC's athletes have brought home an impressive array of victories across multiple intercollegiate tournaments, showcasing discipline, teamwork, and sheer competitive spirit.

Hockey

- Stanlea 5s – Winners

Basketball

- Stanlea – Runners-up
- Synapse – Winners

Cricket (Girls)

- Stanlea – Winners

Badminton (Boys)

- Hygiea – Runners-up
- Stanlea – Runners-up

Tennis (Boys)

- Pegasus (Singles) – Winner: Thiruvengadam B (Batch of 2022)

Chess (Boys)

- Vignesh Kasi (Batch of 2021)
 - KIMS Affinity '25 – Winner
 - JIPMER Spandan '25 – Rapid, Blitz & Bullet – Winner
 - SRMC Altius '25 – Winner
 - Stanlea '25 – Blitz Winner
 - Vellore Medical College '25 – Rapid & Blitz Winner
- Venkatasubramaniam (Batch of 2022)
 - Stanlea – Rapid Winner
 - Hygiea – Runner-up
 - Altius – Runner-up
- Pegasus Rapid Team Event – Runners-up: Cherukuri Dhruv Krishna & Thiruvengadam B (Batch of 2022)

Table Tennis (Boys)

- Hygiea – Winner: Venkatasubramaniam (Batch of 2022)



Culturals isn't just another event on the calendar. It's a vibe that pulsates throughout the campus. Our students' passion and dedication to the arts is expressed with joy and pride, by the numerous inter college competitions won in the past three months.

June : Mad Gravity, our flourishing dance team, kicked off the season with a brilliant win in the choreonite event in Chemfest (Chengalpattu medical college)

September : Vedashree and Ritvik Arunash, participated and won 2nd place in the Duet singing competition, in Euphoria (Stanley Medical College)

Our fashion parade team Lucie le mirage won the 2nd prize at the fashion parade competition in Vaagai – Stanley medical college's Tamil mandram event.

Our college bands had quite the prolific season this year.

The Arrhythmics

Vel Tech -Winners , Anna University -Winner ,Pegasus (CMC Vellore) - Winners,Euphoria (Stanley) - Winners,Chemfest (Chengalpattu)- Runners,Panacea (SRM) - Runners

Antithesis

Affinity - KIMS - 1st place

Synapse - Vellore Medical College - 1st place

Tamil mandram achievements June

At Sangamam '25, conducted by Chengalpattu Medical College –

Singing – 1st Place (Saran)

Kolam – 1st Place (Mokshitha, Poornanithila, Aarthi)

Fashion Parade – 1st Place

Kavidhai – Special Prize (Narmidha)

Sirukadhai – Special Prize (Pavithra P)

Solo Dance – Special Prize (Sanjana V K)



Academic and Scientific Activities

Scientific Society Events

 Session on Clinical Genomics

 Date: 31 July 2025 (Thursday)

 Time: 2:00 PM – 4:00 PM

 Venue: Auditorium, 8th Floor, Tower Block 3, RGGGH

This enlightening academic session focused on the transformative role of clinical genomics in modern medicine. The program featured expert lectures on precision medicine, neurogenomics, and breast cancer genomics, offering deep insights into translational research and its clinical implications.

Highlights:

- Lecture 1: Personal Genomes to Precision Medicine — Dr. Sridhar Sivasubbu, Chief Diagnostic & Research Officer and Lab Director, Karkinos Healthcare Ltd.
Moderators: Prof. Dr. P. Dharmarajan & Prof. Dr. S. Pushpa
- Lecture 2: Population-based Neurogenomics – A Case Study — Dr. Radha Mahadevan, Professor of Neurology, KMC
Moderators: Prof. Dr. G. Mugundan & Prof. Dr. R. Raghavendran
- Lecture 3: Zebrafish Genomics — Dr. Sridhar Sivasubbu
Moderators: Prof. Dr. J. Kannan & Prof. Dr. T. N. Vijayashree

 Journal Club 01 – Critical Appraisal Session

 Date: 22 August 2025 (Friday)

 Time: 2:30 PM – 4:30 PM

 Venue: 5th Floor Lecture Hall

This inaugural session introduced participants to the art of critical appraisal, emphasizing validity, reliability, statistical rigor, and clinical applicability of research data. Students learned to dissect study designs, assess methodologies, and identify potential biases, fostering a mindset rooted in evidence-based medicine.

Speaker: Dr. Sudarshini – Associate Professor, Institute of Community Medicine

Presided by: Dean, Madras Medical College

 Research Ideation Workshop

 Date: 3 September 2025 (Wednesday)

 Time: 9:30 AM – 12:30 PM

 Venue: Minimal Access Surgery Demo Hall

This workshop aimed to cultivate innovative, clinically relevant research ideas among students by addressing departmental challenges and outlining systematic approaches to project development. Participants presented proposals before and after structured faculty guidance, demonstrating enhanced clarity, feasibility, and methodological direction.



La Academia — A Culture of Academic Excellence

La Academia is dedicated to fostering an engaging, supportive academic culture within the college.

We organise interactive learning sessions, quick revision huddles, and concept-clearing discussions to strengthen foundational and clinical understanding.

The club hosts quizzes, case-based learning, and peer-teaching activities that make complex topics easier and enjoyable.

We coordinate academic mentorship, helping juniors navigate subjects, exams, and research interests with guidance from seniors.

Regular academic updates, mini-lectures, and curated study resources are shared to keep everyone aligned with the curriculum.

We aim to build a space where curiosity, collaboration, and continuous learning come together.

Case Connect

Our new initiative, Case Connect, seeks to harness the diverse clinical material across the departments of our institution. The program aims to compile and share real-world patient cases, enabling students to gain hands-on insights into diagnostic and management principles. It provides an avenue for active student participation, structured case presentations, and constructive peer-faculty feedback, ultimately enhancing clinical acumen and reflective learning.

Student Outreach Sphere

Under the Student Outreach Sphere, our inaugural activity focused on Breastfeeding Awareness among undergraduates of the 2022 batch. The session was designed to enhance understanding of breastfeeding practices and equip students with the skills to effectively counsel mothers in community settings. This initiative marks the beginning of a broader effort to translate academic learning into meaningful community engagement and public health impact.

Academic Achievements

🌟 Junior Quiz Achievements

1. Adithyan Chellaram V.S., Nanthakumar & Srivarshan – Medrenaline Junior Quiz, Kilpauk Medical College — 3rd Place
2. Adithyan Chellaram V.S., Nanthakumar & Srivarshan – Empower 25 Junior Quiz, Stanley Medical College — 3rd Place
3. Ayisha, Varshini J & Poojamalini K – PIMS Junior Quiz – Equinox, Pondicherry — 3rd Place
4. Hemanth, Adithya Sai Vittal & Nivetha – Junior Quiz, PIMS — 2nd Place
5. Hemanth, Adithya Sai Vittal & Nivetha – La Lutte Junior Quiz, JIPMER — 1st Place
6. Hemanth, Harish & Shrish Madhan – Junior Quiz, Stanley Medical College — 2nd Place
7. Gopika S, Nanthakumar & Srivarshan – La Lutte 25 – Spandan, JIPMER — 3rd Place
8. Gopika S, Nanthakumar & Srivarshan – ESIC Junior Quiz — 3rd Place

🏠 Senior Quiz Achievements

1. Durga Ramesh, Nethra Babu & Harini P – Minerva Senior Quiz, ESIC Medical College — 1st Place
2. Vignesh Kasi, Keerthana & Adithya Sai Vittal – Senior Quiz, Empower 25 – Stanley Medical College — 1st Place
3. GG Prabhakar, Abhi Nandhakumar & Hariharan R – Senior Quiz, CMC Vellore — 2nd Place
4. GG Prabhakar, Abhi Nandhakumar & Hariharan R – Senior Quiz, Stanley Medical College — 3rd Place
5. Hemanth, Sahasyaa & Roshini – Senior Quiz, PIMS — 2nd Place
6. Hemanth & Hariharan R – Bowman Begins – Nephrology Senior Quiz, PSG — 3rd Place
7. Hariharan K – Neurosurgery Quiz, SRMC — 2nd Place



Subject-Wise Quiz Achievements

Medicine & Clinical Sciences

1. Karthikeyan A.G. & Roshini S – Tropical Medicine Quiz — 1st Place
2. Prakashraj S, Swetha N & Hafeezah Mariyam N – COMIC International Conference on Obstetric Medicine in Clinical Settings, Sree Balaji Medical College — 1st Place
3. Tamizh Prakash S.S. & Roshini S – State Pediatrics Quiz, Stanley Medical College — 2nd Place
4. Tamizh Prakash S.S. & Keerthana P – State Rheumatology Quiz, CMC Vellore — 1st Place

Neurosciences

1. Hariharan K – Neurosurgery Quiz, SRMC — 2nd Place
2. Venkatasubramaniam, Siddarth, Yashwanth & Sanjay S – CROUR Cognito – Hematology Quiz, Meenakshi Medical College — 2nd Place
3. Venkatasubramaniam, Siddarth & Yashwanth – Among Tissues – Pathology Quiz, Illuminara, OMC — 1st Place
4. Adithya Sai Vittal & Badrinath – Anatomy and Pathology Quiz, IGM&RI, Puducherry — 1st Place



Anatomy

1. Adithyan Chellaram V.S., Nanthakumar & Bharathi – Vivera 25 – Anatomy Quiz, GMC Vellore — 2nd Place
2. Harshavardhan, Varshini J & Dhikshita A – AnatmIND – Anatomy Quiz, Madha Medical College — 1st Place
3. Prakashraj S & Sanjay J.M. – AnatmIND – Anatomy Quiz, Madha Medical College — 3rd Place
4. Aarav Joshua Paul, Shrivanth Raam S.R. & Shrish Madhan – Vivera 25, GMC Vellore — 3rd Place

Forensic Medicine

1. Bharadwaj D & Bhuvaneshar S – Forensis Causa 10.0, GMC Thiruvannamalai — 2nd Place

Pharmacology

1. Adithya Sai Vittal, Harshavardhan & Agasthya – Pharmaze Quiz, MMC — 1st Place

Diabetology

1. Vignesh Kasi – Diabetology Quiz, SRMC — 3rd Place

Interdisciplinary & General Quizzes

1. Pratiksha G, Aditya Narayanan M & Samyuktha J.P. – Eagle's Eye – Invictus 25, Karur Medical College — 2nd Place

Case & Poster Presentations

1. Srinidhi K & Sanjana S V – Case Presentation in OBG and Pediatrics, ESIC Medical College — 2nd Place
2. Varshitha K K – Pediatric Case Presentation, Stanley Medical College — 3rd Place
3. Akshaya Ayyappan – Pediatric Case Presentation, PIMS — 2nd Place
4. Akshaya Ayyappan – Pediatric Poster Presentation, PSG Coimbatore — 2nd Place
5. Akshaya Ayyappan – Hematology Poster Presentation, Madurai Medical College — 2nd Place
6. Akshaya Ayyappan – Pediatric Case Presentation, Karur Medical College — 3rd Place
7. Kiranmayi A & Madhusree S – Poster Presentation, ESIC Medical College — 3rd Place
8. Adithya R & Adhithi A R – Ophthalmology Case Presentation, PSGIMSR — 1st Place

Intercollegiate Medals

1. Tamizh Prakash S S – Urology Medal Exam, Madras Urological Society — 1st Place
2. Keerthana P – Urology Medal Exam, Madras Urological Society — 2nd Place
3. Vignesh Kasi – Leprosy Gold Medal, TNMGRU & Damien Foundation — 1st Place

Other Achievements

1. Hemanth, Nivetha & Keerthana – Escape Room, Government Vellore Medical College — 1st Place
2. Dharunasri S, Hariharan K & Ramyabharathi – Escape Room, Government Vellore Medical College — 2nd Place
3. Nivetha V & Poojamaalini K – Clinicopathological Correlation, Equinox PIMS — 1st Place
4. Nivetha V – Model United Nations (MUN), ESIC — Special Mention
5. Nivetha V – Just-A-Minute (JAM), Stanley Medical College — 2nd Place
6. Divya Bharathi D S, Lavanya J R & Poojamalini – Treasure Hunt (Microbiology), Omandurar Medical College — 2nd Place

Research Achievements

Research Publications

- Sujatha DM, Shafy SM, Francis AA, Rajkumar V, Jagdeesh KD, Krishna S, Pradeep S, Gudapati N. Neurologists' approaches and challenges in managing early-stage Alzheimer's disease: A survey of clinical practices. Bioinformation. 2024 Dec 31;20(12):1954-1958. doi: 10.6026/9732063002001954. PMID: 40230933; PMCID: PMC11993407. <https://pmc.ncbi.nlm.nih.gov/articles/PMC11993407/>
- Lakshmanan A, Dg G, M SG, Ak KD. Anterolateral Thigh Flap for Abdominal Wall Defect After Debridement for Meleney's With Fournier's Gangrene: A Case Report of a Rare Outcome. Cureus. 2024 Nov 2;16(11):e72906. doi: 10.7759/cureus.72906. PMID: 39628739; PMCID: PMC11612532. <https://pubmed.ncbi.nlm.nih.gov/39628739/>
- Adalarasan S, Devi L, Ps S. Morphometric Study on the Mandibular Foramen. Cureus. 2024 Oct 4;16(10):e70862. doi: 10.7759/cureus.70862. PMID: 39493051; PMCID: PMC11531868. <https://pubmed.ncbi.nlm.nih.gov/39493051/>
- Suresh V, Singh KK, Vaish E, Gurjar M, Ambuli Nambi A, Khulbe Y, Muzaffar S. Artificial Intelligence in the Intensive Care Unit: Current Evidence on an Inevitable Future Tool. Cureus. 2024 May 7;16(5):e59797. doi: 10.7759/cureus.59797. PMID: 38846182; PMCID: PMC11154024. <https://pubmed.ncbi.nlm.nih.gov/38846182/>
- Sara S, Tv D, Dg G, Elumalai B, Javid M. A Rare Case of Hypokalemic Periodic Paralysis With Acute Urinary Retention: Diagnosis and Management. Cureus. 2024 Jan 24;16(1):e52839. doi: 10.7759/cureus.52839. PMID: 38406120; PMCID: PMC10884782. <https://pubmed.ncbi.nlm.nih.gov/38406120/>

Conferences, Symposiums, and Competitions



1. Siva (Batch of 2021)
 - a. Presented a research paper at Future of Medicine Conference, TN Dr. M.G.R. University
2. Akshaya Ayyappan (Batch of 2022)
 - a. Axon 25, PSG Coimbatore – 2nd place, Case Presentation (Poster)
 - b. Equinox 25, PIMS, Pondicherry – 2nd place, Case Presentation (Oral)
 - c. Cascade 25, Madurai Medical College – 2nd place, Case Presentation (Poster, Hematology)
 - d. Invictus 25, Karur Medical College – 3rd place, Case Presentation (Oral)
3. K. Poojamalini and Nivetha V (Batch of 2023)
 - a. Clinicopathological Correlation, PIMS – 1st place
4. Vishal Rajkumar, Khushii DJ, Hariharan K, Hariprakash, Harini P, Abhinaya V (Batch of 2022)
 - a. JIPMER OG Symposium – 1st place
 - b. JIPMER Medicine Symposium – 2nd place
 - c. MMC OG Symposium – 1st place
5. Varshitha K.K. (Batch of 2023)

Presented a Pediatrics Case at Stanley Empower, 2024

MMC History SNAPSHOTS

19.11.2025

@mmc.campus.chronicles

Tuesday

THE ALUMINI CHRONICLES

The First Indian Paratrooper - Was an MMCian



Before India's skies roared with fighter jets, one man from Madras Medical College had already taken a leap that would etch his name into history. Lieutenant Colonel Dr. A.G. Rangaraj, physician, paratrooper, patriot—was the first Indian ever to make a parachute jump, proving that valor and intellect could coexist in the same uniform.

As the commanding officer of the 60 Para Field Ambulance, he led India's first overseas mission post-Independence—the Korean War (1950–53)—under the United Nations' peacekeeping banner.

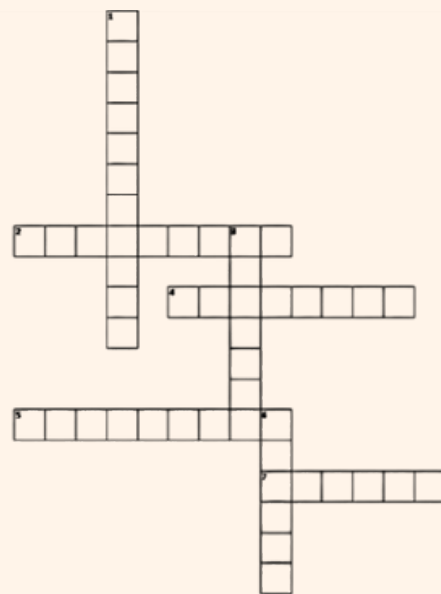
His unit treated nearly 1,95,000 casualties and performed over 2,300 surgeries, offering care without prejudice to soldiers on both sides of the conflict. His compassion transcended politics; his scalpel cut through divisions.

For his service, Dr. Rangaraj received the Maha Vir Chakra in 1951, one of India's highest gallantry awards, and South Korea honoured him with the Order of Military Merit (Chungmu).

Post-service, he battled diseases for UNICEF and WHO, helping eradicate smallpox—proof that courage wears many coats, sometimes a parachute, sometimes a stethoscope.

by Akshvitha RS 2023

MMC Legacy Crossword



1. The MMCian discovered the world's first chemotherapeutic agents and developed the 'magic bullet' drug for filariasis?
2. The Temporary Location of a Branch of MMC during WWII
3. The Professor of MMC who identified the causative organisms of Kala-Azar and Granuloma Inguinale?
4. The distinguished MMC alumnus led India's medical contingent in the Korean War?
5. The Madras surgeon to use mesmerism for painless surgery, after whom the prestigious medal for the best outgoing student of MMC is named?
6. The legendary ophthalmic innovator from MMC who designed the trephine used in glaucoma surgery, and after whom the famed Ophthalmic Museum is named?
7. The heritage structure within the (RIO-GH) that housed the historic pond used to breed leeches for treating glaucoma by reducing intraocular pressure?

SEND YOUR ANSWER TO - CAMPUSCHRONICLE@MMC.AC.IN

DIFIORE'S ATLAS OF HISTOLOGY

~ A review by Gopika 2022

The layout of DiFiore's Atlas of Histology is very systematic. It starts with staining procedures and laboratory techniques, progresses to microscopic descriptions of cells, tissues and organ systems. It combines structural descriptions with functional correlations. To put it simply, it answers the question "why does this tissue look this way?"

High quality schematic illustrations and microscopic images enhance learning experience. Brief descriptions of normal blood smears, bone marrow smears and vaginal exfoliative cytology acts as a base for understanding pathological diagnostic procedures.

The highlight of this atlas is it provides images and descriptions of various types of tissue sections. Moreover, it discusses microscopic appearances of developmental and functional stages of various organs.

Excerpts from the book about various stages of mammary gland with functional correlation:

FUNCTIONAL CORRELATIONS 21.9 Mammary Glands

Before puberty, the mammary glands are undeveloped and consist primarily of branched **interlobular ducts** that open at the nipple. In males, the mammary glands remain undeveloped. In females, mammary glands enlarge during puberty because of stimulation by estrogen and progesterone during menstrual cycles. As a result, adipose tissue and connective tissue accumulate and grow. Also, branching of the ducts in the mammary glands increases, and numerous secretory alveoli are formed.

The mammary glands remain inactive until pregnancy. During pregnancy, the mammary glands undergo increased growth owing to the continuous and prolonged stimulatory actions of estrogen and progesterone. As a result, the mammary glands become structurally and functionally mature. Estrogen and progesterone hormones are initially produced by the corpus luteum of the ovary and later by cells in the placenta. In addition, further growth of the mammary glands depends on the pituitary hormone **prolactin**, **placental lactogen**, and **adrenal corticoids**. These hormones stimulate the intralobular ducts of the mammary glands to rapidly proliferate, branch, and form numerous **alveoli**. The alveoli then undergo hypertrophy and become active sites of **milk production** during the lactation period. All alveoli become surrounded by contractile **myoepithelial cells**.

When the individual is born (parturition) and pregnancy ends, the mammary gland alveoli initially produce a fluid called **colostrum** that is rich in proteins, vitamins, minerals, and antibodies (IgA), which provide the newborn with some immunity. Unlike milk, however, colostrum contains little lipid. Milk is not produced until a few days after parturition. The hormones estrogen and progesterone from the corpus luteum and placenta suppress milk production by mammary alveoli until their levels decrease.

After parturition and elimination of the placenta, the hormones that inhibited milk secretion (estrogen and progesterone) are eliminated, and the mammary glands begin active secretion of milk. As the pituitary hormone **prolactin** activates milk secretion, the production of colostrum ceases. During nursing of the newborn, tactile stimulation of the nipple by the suckling infant promotes further release of prolactin and prolonged milk production.

Team Campus Chronicles

Patron	Dr. K. Shantaraman, Dean of Madras Medical College
Chief advisor	Dr. Raghavendran R, Director of Institute of Neurosurgery
Editor in chief	Dr. Chandramouleeswari, K Professor, Institute of Pathology
Deputy editor	Nethra Babu
Deputy editor	Rohan D
Literary team	Niranjana V R Nivetha V Balavishnu P Harsha J Bharathi S
Academic team	Hariharan K Dharunasri S Poojamalini K Varshitha KK Gokul T
Scientific team	Vishal Rajkumar Khushii D J Adhitya Sai Vittal S VS Adithyan Chellaram Sahasya Adalarasan
Media team	Kavipriya M Kausik Raj A Akshvitha R S Shrish Murugesh M
Logo Design	Abijith Adithya K
Data collection team	Kiran Babu K Keerthana S Udhayamuhilan S Avanthika M Anirudha Suri S Kaviya A S Mahit P Porkodi M Agasthya Sultur Seshagiri Ganesh Pande Vedasree Karthikeyan Aditti Hari Shankar

TEAM CAMPUS CHRONICLES



Nethra Babu
Deputy editor
Literary Secretary



Rohan D
Deputy editor
Literary Secretary



Hariharan K
Academic Team Leader
Academic secretary



Dharunasri S
Academic Team Leader
Academic secretary



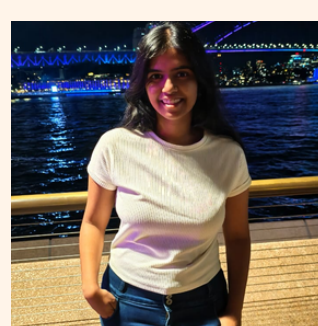
Vishal Rajkumar
Scientific Team Leader
Scientific Research secretary



Khushii D J
Scientific Team Leader
Scientific Research secretary



Niranjana V R
Literary team



Nivetha V
Literary Team



Anirudha Suri S
Literary team



Bharathi S
Literary Team



Akshvitha R S
Design Coordinator



Abijith Adithya K
Logo Designer



K Poojamalini
Scientific Team



Varshitha KK
Academic Team



Gokul T
Community Activities



VS Adithyan Chellaram
Scientific Team

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