Sri Nathella Sampathu Chetty Clinical Laboratory
Sankara Nethralaya- An update

A Unit of Medical Research Foundation
41, College Road, Chennai
Email: snsclab@snmail.org

Dr. N. Angayarkanni Ph.D
DIRECTOR - LABORATORY SERVICES
DIRECTOR - BIOCHEMISTRY
SRI NATHELLA SAMPATHU CHETTY CLINICAL LABORATORY, SANKARA NETHRALAYA
MEDICAL RESEARCH FOUNDATION

Clinical Biochemistry  Clinical Hematology  Clinical Microbiology  Histopathology  Clinical Genetics  Molecular Diagnostic
Started in the year 1982

Dr. SB. Vasanthi (Director)
Total patients who walked into lab for collection in the year 2022: 35,152

Total tests offered: 182 133 is NABL accredited
SNSC CLab SN: Main Laboratory, @ 41 College Road

Collection centers: ISO 15189: 2012

SNSC CLab Collection center: 21, Pycrofts Garden Raod (JKCN)
SNSC CLab Collection center: CUSSN, St.Thomas Mount
SNSC CLab Collection center: SN-RA Puram
SNSC got the 1st NABL Accreditation Certificate
Valid on 24.07.2007
Sri Nathella Sampathu Chetty Clinical Laboratory, Sankara Nethralaya
(A unit of Medical Research Foundation) Since 1982

- Clinical biochemistry & Sp Cl Biochem:
- Cl hematology and Cl pathology
- Cl Microbiology and Serology
- Ocular Histopathology and cytopathology
- Ocular Genetics

- **Molecular Diagnostics Laboratory**
- Outsource to Referall Laboratory:
  Metropolis - MOU

**OBJECTIVES**
1. To comply with ISO 15189:2012 standards at all time.
2. To maintain technical excellence by using standard technology.
3. To ensure compliance with the statutory and regulatory requirements.
4. To ensure adequate resources and staff competence for effective service.
5. To ensure testing and reporting results in an effective and timely manner.
6. To ensure continued patient satisfaction.
7. To ensure continual improvement in the processes and services.

Date: 14.06.2022
Dr. N. Angayarkanni Ph.D
Director-Laboratory Services Management Representative
Heads/In-charge & Signing Authorities in Laboratory services

Dr. S. Sripriya Ph.D  
Genetics

Dr. N. Angayarkanni Ph.D  
Biochemistry & Director

Dr. N. Harini MD  
Quality manager

Dr. AR. Anand Ph.D  
Microbiology & Serology

Dr. S. Krihnakumar MD  
Histopathology & Cytopathology  
Cl Hematology & Cl Pathology

Dr. Jyotirmay Biswas MD  
Ocular Histopathology

Dr. R. Harini MD  
Quality manager

Dr. AR. Anand Ph.D  
Microbiology & Serology

Dr. Dhanurekha Ph.D  
Molecular Diagnostics

Dr. R. Harini MD  
Quality manager

Dr. Suman H. Kalantri MD  
Cl Hematology & Cl Pathology

Dr. S. Anand Ph.D  
Microbiology & Serology

Dr. Dhanurekha Ph.D  
Molecular Diagnostics

Dr. S. Sripriya Ph.D  
Genetics
State of the Art - Facility

- D10 HBA1c (Biorad)
- ROCHE ELECTROLYTE ANALYZER
- DadeDimension RXL Clinical chemistry analyzer
- Microtome (Lica RM2245)
- DXH Unicell 800-HAEMATOLOGY ANALYZER
- ABI 3130 Genetic Analyser
- Rotor Gene Q Real time PCR machine - Qiagen
- D10 HBA1c (Biorad)
- DadoDimension RXL Clinical chemistry analyzer
We train around 20+ intern students every year as part of the Medicla Lab Technology Medical Laboratory Technology (UG/PG) affiliated to the The TN Dr. MGR Med Univ.
Training Program / CME are a continuous process

- **Exclusive Pediatric phlebotomy training** was conducted by Becton Dickinson in Dec-2022

- Clinical Haematology department organised - CME Programme Title: ‘Utility of histograms & scatterplots’ 2022,

- CME Progamme “Laboratory medicine quality management systems” by Prof.Dr.C N Srinivasan and team (Dec 22)

Dr. N.Angayarkanni & Dr.Bharath Selvi participated:

- Workshop on "Clinical Diagnostics highlighting the importance of Mass Spectrometry " at Spinco Towers on 28th July 2022.

Awards / Achievements

• **NATIONAL LEVEL PRE–ANALYTICAL QUALITY CHECK AUDIT conducted by BD (2023)**

• “Winner of National champion award” 2021- 2022 by BD (Becton Dickinson): Phelbotomy Quiz:

• “Runner up : 2023

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Our Phelbotomy unit is the top scorers At the National level audit

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Genetic counselling

Pre-test genetic counseling discussion offered under the code GCS:

672 patients were counseled and 350 patients underwent genetic testing in 2022

Post Test genetic counseling discussion is offered to the patients to discuss the genetic test results under the code TGCS and 52 patients were counseled since April 2022.
Fifth edition Dr. S. Krishnakumar MD (pathology), 3 chapters as senior author

Best Pathologist: Dr. S. Krishnakumar MD (pathology),
Meetings / Speaker:

Dr. N. Angayarkanni delivered a Special Guest Lecture entitled "Clinical Chemistry and Laboratory Science Techniques" at University of Madras, Taramani Campus on 17.03.2022.

Dr. N. Angayarkanni participated 1st National Lab Directors Conclave on 30th & 31st January 2023 at KIMS Hospital, Secunderabad, Telangana

“Enriching Quality and competency in Clinical biochemistry for better patient care”, in the clinical biochemistry Association, CBACON 2023, Chennai

- Dr. Harini participated from SN in the NABH ECO standards internal auditor training in February 2022 & was certified to be an internal NABH auditor.

- Dr. Harini, Quality Manager and Dr. Pralitha Madhuri G, Microbiologist underwent ISO 15189: 2022 new standard training and were certified.
## Conferences/Meetings:

<table>
<thead>
<tr>
<th>Conference Name</th>
<th>Title</th>
<th>Place</th>
<th>Presentation</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>UKRI – Engineering and physical council-Proteus project global meeting</td>
<td>Evaluation of probes for rapid detection of pathogens in ocular specimens</td>
<td>University of Edinburgh, Edinburgh/ 06-09-22</td>
<td>Invited talk</td>
<td>Dr. A.R. Anand</td>
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<tr>
<td>Microcon-22</td>
<td>Nanopore sequencing in detection of bacteria from canaliculitis</td>
<td>KIMS-Bhubaneswar/25-11-22</td>
<td>Poster</td>
<td>Dr. A.R. Anand</td>
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<tr>
<td>Microcon 2023 conference</td>
<td>Invitro Evaluation of Macrolides and Linezolid against Pythium insidiosum isolates from Keratitis cases</td>
<td>Kalinga Institute of Medical science, Odisha 23.11.22 to 27.11.22</td>
<td>Poster</td>
<td>Dr. Dhanurekha</td>
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<tr>
<td>workshop on Digital PCR</td>
<td></td>
<td>Adyar Cancer Institute 4.1.23 and 5.1.23</td>
<td>Workshop</td>
<td>Dr. Dhanurekha</td>
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<tr>
<td></td>
<td>Role of Clinical Microbiologist in combating Antimicrobial resistance</td>
<td>Microbiology Department, Government Kilpauk Medical college in collaboration with The Tamil nadu Dr. MGR Medical University -29.11.22</td>
<td>participation</td>
<td>Dr. Dhanurekha</td>
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</table>
WE ARE IN A CONTINOUS PROCESS OF IMPROVEMENT

CONSULTANT SATISFACTION IS IMPORTANT: DIALOGUE IS KEY
Names of distinguished visitors to the Clinical Laboratory (01.04.2022 – 31.03.2023)

- Dr. Swetha & Team from Mumbai (SN Alumni Members) visited the department on 02.07.2022 to observe the facility.
- Johnson & Johnson Team visited the department on 21.07.2022 to observe the facility.
- Col. Madan Deshpande & Dr. Lokchand Janyani Nirmal, Seva Sadan Eye Hospital, Pune visited the department on 11.02.2023 to observe the facility.
- Dr. Madhan Jayaraman & Team from Sri Lalithambigai Medical College visited the department on 24.08.2022 to observe the facility.
- Aravind Eye Hospital Team from Madurai & Coimbatore branch visited on 10.03.2023 to observe the Laboratory Information System (LIS) & EMR facility at SN as headed by Dr. Ram Mohan (Microbiologist), Aravind Eye Hospital, Coimbatore.
- Students from IIT Madras as part of DBT Fellowship programme at IIT Madras visited the department through Dr. Sheila John on 22.11.2022.
TOTAL NUMBER OF COLLECTION SN MAIN JAN’22-DEC-22

SN MAIN

TOTAL NUMBER OF COLLECTION SNSC COLLECTION CENTRE JAN’22-DEC-22

SNSC COLLECTION CENTRE -

TOTAL NUMBER OF COLLECTION RA PURAM JAN’22-DEC-22

RA PURAM COLLECTION CENTRE -

TOTAL NUMBER OF COLLECTION CUSSN- JAN’22-DEC-22

CUSSN COLLECTION CENTRE -
Total Investigations-2022

<table>
<thead>
<tr>
<th>Clinical Laboratory</th>
<th>TOTAL INVESTIGATIONS 2022</th>
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<tbody>
<tr>
<td>Clinical Biochemistry</td>
<td>112802</td>
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<tr>
<td>Cl Hematology, Cl pathology</td>
<td>186281</td>
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<tr>
<td>Histopathology Cytopathology</td>
<td>3236</td>
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<tr>
<td>Microbiology Serology Microbiology Surveillance</td>
<td>33438</td>
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<tr>
<td>Molecular Diagnostics</td>
<td>1915 (Jul-Dec'2022)</td>
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<tr>
<td>Genetics</td>
<td>380</td>
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