

Introduction:

Immunization is one of the pillars of modern medicine and we use the best tools to prevent morbidity and mortality due to preventable diseases. The Immunization clinic of our Institution is run by the Department of Pediatrics based on the WHO Guidelines for Childhood Immunization.

Functioning:

A separate room has been allocated in the Pediatric Outpatient Department for Immunization clinic which is conducted under the supervision of HOD on Tuesdays and Thursdays, and even on other working days if patients seek immunization services. All the vaccines which are part of National Immunization schedule are supplied by Government of Puducherry and offered free of cost to the patients. The vaccines are availed from Thirubhuvanai PHC every week by staff nurse incharge. Optional vaccines are also available and are administered as per IAP (Indian Academy of Pediatrics) guidelines.

All vaccines are either administered by qualified professionals or by the Post graduate students under their supervision. The children are observed for a minimum duration of 30 minutes for any adverse events in the Outpatient Department. During their wait, children and their caregivers are kept engaged with a television running cartoons and educational videos, and toys are also provided if needed.

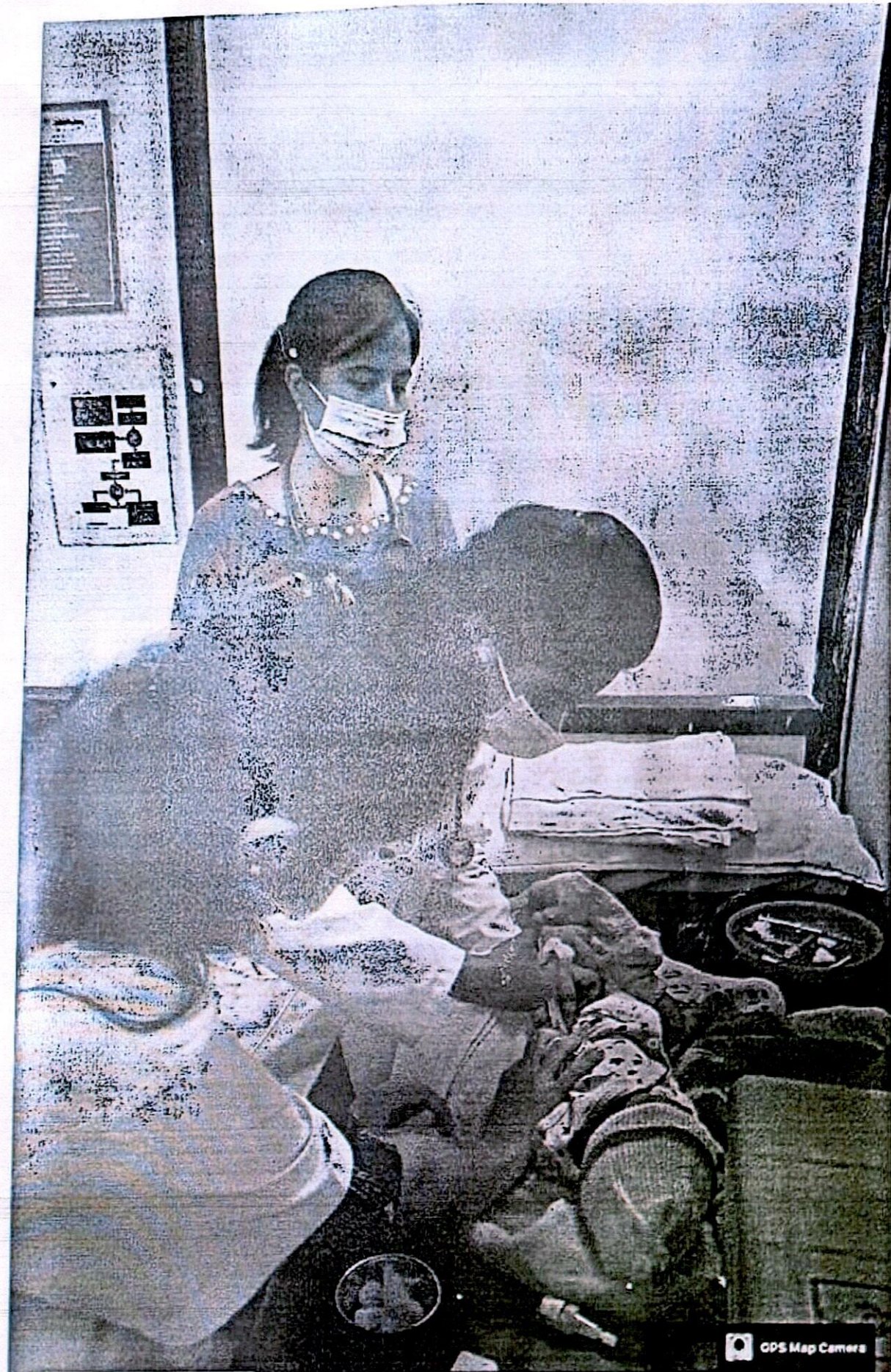
Ensuring safety and quality of vaccines is our high priority. Storage is done in an ILR (Ice lined Refrigerator- Meditech Model no.MTBBK2; serial number MT 7862-1967) based on WHO guidelines, in relevant slots for proper temperature of each vaccine. The ILR has holder time of 24 hours in case of power failure and the Institution has a generator back up in case of electricity outages. Periodic maintenance of the refrigerator is followed as per the company specifications. In case of ILR equipment breakdown, vaccine is immediately shifted to domestic refrigerator and ILR technician is informed.

Injection safety and biomedical waste disposal is also followed as per WHO guidelines. The vaccine is verified for its efficacy if it has VVM and also the manufacturing details. Only disposable syringes and needles are used for administration. Emergency equipment and medications are always available in the crash cart for treating any adverse events. Such events are intimated immediately to medical officer of Thirubhuvanai PHC for free vaccines and DIO in case of optional vaccines as per AEFI guidelines. Separate Adverse events register is also maintained. Unused vaccines nearing expiry are returned to PHC during weekly visit. Vaccine stock register is maintained separately for free and optional vaccines.

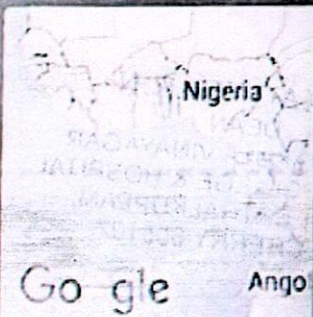
In order to promote immunization, the National Immunization schedule and optional vaccine schedule have been prominently displayed in the Pediatric Outpatient Department under the services available in the hospital and also in our rural health training centre. Birth vaccines are given to all the babies delivered in the Institution, before their discharge. The Immunization card containing the names of vaccines and the date on which it is to be given is provided. In order to ensure maximum coverage, reminder calls are given one week prior to the due date.

Dr. KAGNE. R.N
DEAN

SRI MANAKULA VINAYAGAR
MEDICAL COLLEGE & HOSPITAL
KALITHEERTHAKUPPAM,
PUDUCHERRY-605107.



GPS Map Camera



Gangarampalaiyam, Tamil Nadu, India

WJC8+753, NH332, Gangarampalaiyam, Tamil Nadu

605108, India

Lat 11.921058°

Long 79.61459°

25/07/22 01:00 PM

KAGNE. R.N
DEAN
NAKULA VINAYAGAR
COLLEGE & HOSPITAL
HEERTHALKUPPAM
DUCHERRY-605107.

Teaching:

For MBBS students, immunization as a part of Pediatric history taking is taught from the 3rd Semester when they are posted for the first time in their clinical postings. Immunization is a part of case presentation in their clinical posting as well as theory classes during 6th and 8th semesters. After implementation of competency based curriculum, 6th semester students also get hands on training in skill lab using mannequin on various routes of vaccine administration. Also in 8th semester, they have small group teaching (30-35 students) in the form of seminar to be presented by them regarding vaccines. Vaccines are also a part of case presentation and viva voce during their University exams as well as in Internal and model exams, both theory and practical, conducted within the department.

Students are also exposed to cold chain mechanism through visit to primary health centre and interns are posted in primary health centre for 15 days.

For post graduation students, theory classes are conducted regarding various aspects of Immunization. They are trained to administer the vaccines under the supervision of faculty members.

Quality maintenance record:

Daily log of the temperature of Ice lined Refrigerator is maintained and readings are noted twice a day by a dedicated staff nurse. VVM (Vaccine Vial Monitor) is also verified and recorded. Faculty in charge also verifies and signs the temperature log once a month. Quality maintenance is ensured by surprise inspections and audit.

Dr. T. BHARATHI KUMAR

Regd. No: 75119

PROFESSOR & HEAD

Department of Pediatrics

Sri Manakula Vinayagar Medical College & Hospital

Kalitheerthalkuppam

Puducherry-605107.

Dr. KAGNE. R.N

DEAN

SRI MANAKULA VINAYAGAR
MEDICAL COLLEGE & HOSPITAL
KALITHEERTHALKUPPAM,
PUDUCHERRY-605107.

AUDIT CHECKLIST FOR COLD CHAIN UNIT AND VACCINATOR CENTRE

S.No	CHECKPOINT	YES	NO	NA
1	Availability of ILR with separate stabilizer	✓		
2	ILR is placed in a well ventilated room, 10cm away from wall	✓		
3	ILR lid is always kept locked	✓		
4	Vaccines are preserved in neat rows	✓		
5	There is space between rows for air circulation	✓		
6	Freeze sensitive vaccines are kept in basket and not touching any surface	✓		
7	Separate dial or stem thermometer is kept among the vaccines among the vaccines	✓		
8	Reading of dial/stem thermometer is within desired temperature range	✓		
9	Reading on the built-in thermometer of the equipment is within desired temperature range	✓		
10	Connections of equipment to voltage stabilizer are proper and not loose	✓		
11	No abnormal sound	✓		
12	Temperature is recorded minimum twice a day in a logbook	✓		
13	AMC and backup of maintenance plan	✓		
14	Staff is aware of holdover time of cold storage equipment	✓		
15	Availability of domestic refrigerator	✓		
16	Separate dial thermometer is kept inside the refrigerator	✓		
17	Temperature indicated is within the specified range	✓		
18	Ice packs are kept in the appropriate positions	✓		
19	Availability of vaccine carrier	✓		
20	Vaccine carrier kept away from direct sunlight	✓		
21	Availability of biomedical waste bin (color coded)	✓		
22	Availability of hand sanitizer/ water and soap	✓		
23	Availability of crash cart with necessary drugs and equipment	✓		
24	Availability of oxygen cylinder / central oxygen supply	✓		
25	Availability of AEFI kit	✓		
26	Whether date and time of opening of vials mentioned?	✓		
27	Whether vaccine stock register is maintained?	✓		
28	Whether vaccine indent book is maintained?	✓		
29	Whether AEFI register is maintained?	✓		
30	Whether vaccine administration registers are maintained?	✓		
31	Vaccinators are trained in administering vaccines?	✓		
32	Vaccinators aware of indications and contraindications of vaccine?	✓		
33	Vaccinators aware of anaphylaxis management?	✓		

Comments and suggestions, if any:

Name and Signature of assessor

Dr. R. SUNDARAPANDIAN
Asst. Surgeon, MBBS, DCH.
Reg No: 82983,
Govt. Hospital, Villupuram.

Dr. T. BHARATH KUMAR
Regd. No: 75119
PROFESSOR & HEAD
Department of Pediatrics
Sri Manakula Vinayagar Medical College & Hospital
Kattitheerthali, Madagadipet,
Puducherry-605007.

Date: 20/6/2023

Dr. KAGNE. P. N
DEAN
SRI MANAKULA VINAYAGAR
MEDICAL COLLEGE &
KATTITHEERTHALI
PUDUCHERRY-605007



GPS Map Camera



Gangarampalaiyam, Tamil Nadu, India
WJC8+753, NH332, Gangarampalaiyam, Tamil Nadu
605108, India
Lat 11.921058°
Long 79.61459°
25/07/22 12:57 PM

Dr. KAGNE. R.N.
DEAN
MANAKULA VINAYAG
AL COLLEGE & HOSP
THEERTHALKUPPA
UDUCHERRY-605107



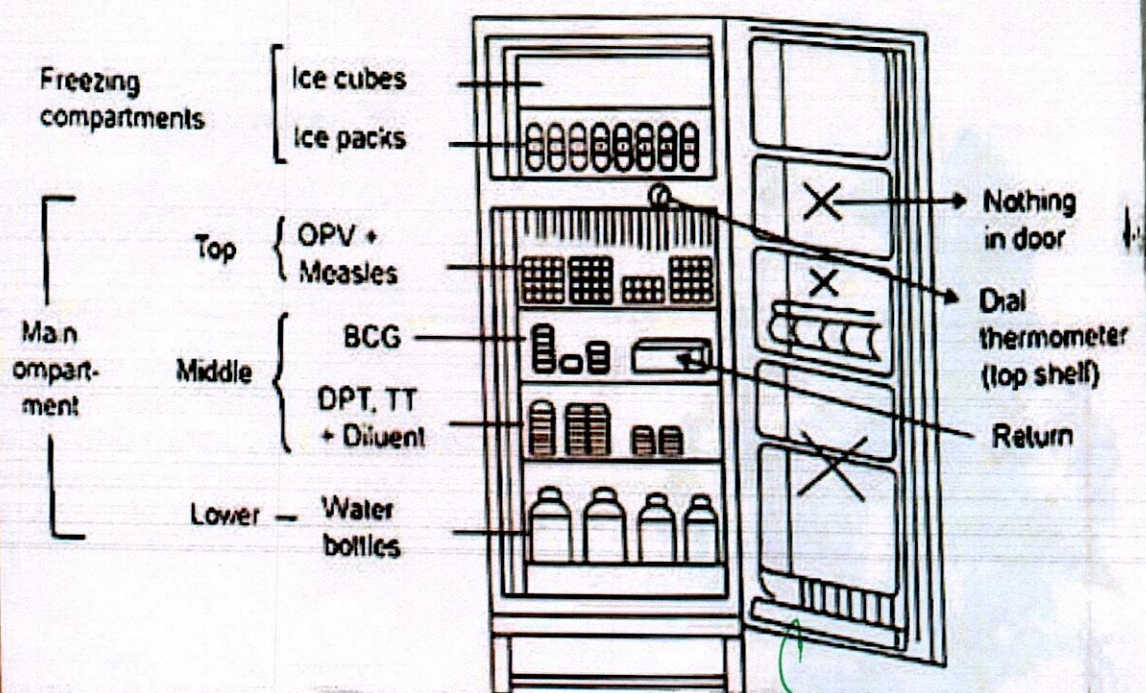
GPS Map Camera

Dr. KACNE. R.N
DEAN
SPI MANAKULA VINAYAGAR
MEDICAL COLLEGE & HOSPITAL
KALITHEERTHALKUPPAM,
PUDUCHERRY-605107.

Google

Gangarampalaiyam, Tamil Nadu, India
WJC8+753, NH332, Gangarampalaiyam, Tamil Nadu
605108, India
Lat 11.921058°
Long 79.61459°
25/07/22 12:59 PM

SMVMCH/REF011



Dr. KAGNE. R.N.
DEAN
SRI MANAKULA VINAYAGAR
MEDICAL COLLEGE & HOSPITAL
KALITHEERTHAKUPPAM,
PUDUCHERRY-605107.

PLC Based Digital Controlling System

Made in Germany

Dr. KAGNE. R.N

DEAN

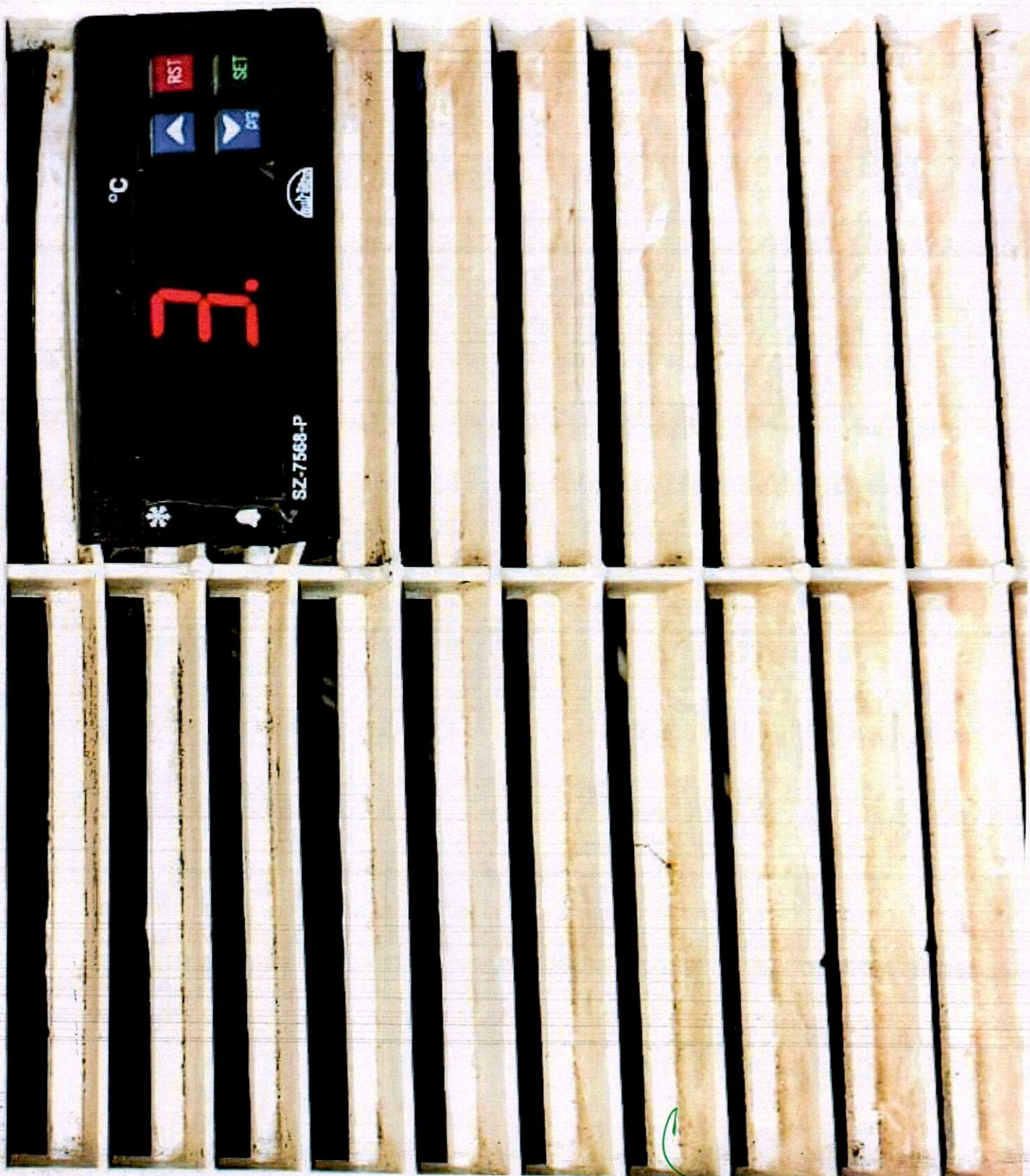
SRI MANAKULA VINAYAGAR

MEDICAL COLLEGE & HOSPITAL

KALITHEERTHAKUPPAM,

DIUDICHERRY, 605107





Dr. KAGNE. R.N
DEAN
SRI MANAKULA VINAYAGAR
MEDICAL COLLEGE & HOSPITAL
KALITHEERTHALKUPPAM,
PUDUCHERRY-605107.



Department of Health
and Human Services

Vaccine Storage in ILR

[illegible]

Dr. KAGNE. R.N

DEAN

DEAN
SRI MANAKULA VINAYAGAR
MEDICAL COLLEGE & HOSPITAL
KALITHEERTHAKUPPAM,
PUDUCHERRY-605007

How to read a VVM



Inner square is lighter than outer circle.
If the expiry date has not been passed, USE the vaccine.



At a later time, inner square is lighter than outer circle. ***If the expiry date has not been passed, USE the vaccine.***



Discard point:

Inner square matches colour of outer circle.
DO NOT use the vaccine.
Inform your supervisor.



Beyond the discard point:

Inner square darker than outer circle.
DO NOT use the vaccine.
Inform your supervisor.



ஸ்ரீ மணக்குள விநாயகர் மருத்துவக் கல்லூரி மற்றும் மருத்துவமனை

குழந்தைகள் நலத்துறை

NATIONAL IMMUNIZATION SCHEDULE

தேசியதடுப்பூசிஅட்டவணை

AT BIRTH	BCG	காச நோய் தடுப்பூசி
	OPV-0 DOSE	பாலியோ சொட்டு மருந்து
	HEP-B	மஞ்சள் காமாலை தடுப்பூசி
6 WEEKS	PENTAVALENT-1	பென்டாவலண்ட் ஊசி-1
	OPV-1	பாலியோ சொட்டு மருந்து-1
	ROTA-1	ரோட்டா சொட்டு மருந்து-1
	f-IPV-1	பாலியோ ஊசி-1
	PCV-1	பி. சி. வினாசி-1
10 WEEKS	PENTAVALENT-2	பென்டாவலண்ட் ஊசி-2
	OPV-2	பாலியோ சொட்டு மருந்து-2
	ROTA-2	ரோட்டா சொட்டு மருந்து-2
14 WEEKS	PENTAVALENT-3	பென்டாவலண்ட் ஊசி-3
	OPV-3	பாலியோ சொட்டு மருந்து-3
	ROTA-3	ரோட்டா சொட்டு மருந்து-3
	f-IPV-2	பாலியோ ஊசி-2
	PCV-2	பி. சி. வினாசி-2
9 - 12Months	MR-1	தட்டம்மை ரூபெல்லா ஊசி-1
	f-IPV-3	பாலியோ ஊசி-3
	PCV BOOSTER	பி. சி. வினாக்குவிப்பு ஊசி
	JE-1	ஜப்பானிய மூளைக்காய்ச்சல் ஊசி-1
	VITAMIN A	வைட்டமின் A
16-24 Months	MR-2	தட்டம்மை ரூபெல்லா ஊசி-2
	DPT BOOSTER-1	முத்தடுப்பூசி ஊக்குவிப்பு-1
	OPV BOOSTER-1	பாலியோ ஊக்குவிப்பு சொட்டு மருந்து-1
	JE-2	ஜப்பானிய மூளைக்காய்ச்சல் ஊசி-2
5-6 YEARS	DPT BOOSTER-2	முத்தடுப்பூசி ஊக்குவிப்பு-2
	OPV BOOSTER-2	பாலியோ ஊக்குவிப்பு சொட்டு மருந்து-2
10 & 16 YEARS	Td	டீ.டி.ஊசி

Dr. KAGNE. R.N
DEAN

SRI MANAKULA VINAYAGAR
MEDICAL COLLEGE & HOSPITAL
KAZHIERTHALKUPPAM,
PUDUCHERRY-605107.