

Sri Lakshmi Narayana Institute of Medical Sciences



Date-20-02-2022

From
Dr. K. Harsha Vardhan
Professor and Head,
Department of Dermatology,
Sri Lakshmi Narayana Institute of Medical Sciences
Bharath Institute of Higher Education and Research,
Chennai.

To
The Dean
Sri Lakshmi Narayana Institute of Medical Sciences
Bharath Institute of Higher Education and Research,
Chennai.

Sub: Permission to conduct value-added course: Congenital Syphilis

Dear Sir,

With reference to the subject mentioned above, the department proposes to conduct a value-added course titled: **Congenital Syphilis** on 20-03-2022. We solicit your kind permission for the same.

Kind Regards

Dr. K. Harsha Vardhan

FOR THE USE OF DEANS OFFICE

Names of Committee members for evaluating the course:

The Dean: Dr. Jayalakshmi

The HOD: Dr. K. Harsha Vardhan

The Expert: Dr. A. Buvanaratchagan

The committee has discussed about the course and is approved.

Dr. G. JAYALAKSHMI, BSC., MBBS., DTCD., M.D.,
Dean **DEAN**

Sri Lakshmi Narayana Institute of Medical Sciences
Osudu, Agaram, Kudapakkam Post,
Villianur Commune, Puducherry - 605502.

Subject Expert

HOD

Sri Lakshmi Narayana Institute of Medical Sciences



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Sri Lakshmi Narayana Institute of Medical Sciences
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Villanur Commune, Pudukcherry - 605502.

Dr. A. BUVANARATCHAGAN, MD.,
Reg. No. 57150
Asso. Professor, Dermatology
Sri Lakshmi Narayana Institute of Medical Sciences
Osudu, Agaram, Pudukcherry - 605 502

Subject Expert

PROFESSOR & HEAD
DEPT. OF DERMATOLOGY
SRI LAKSHMI NARAYANA INSTITUTE OF
MEDICAL SCIENCES
OSUDU, PUDUCHERRY.

HOD



OFFICE OF THE DEAN

Sri Lakshmi Narayana Institute of Medical Sciences

OSUDU, AGARAM VILLAGE, VILLIANUR COMMUNE, KUDAPAKKAM POST,
PUDUCHERRY - 605 502.

[Recognised by Medical Council of India, Ministry of Health letter No. U/12012/249/2005-ME (P -II) dt. 11/07/2011.]
[Affiliated to Bharath University, Chennai - TN]

Circular

27.02.2022

Sub: Organising Value-added Course: Congenital Syphilis (March 2022 – June 2022)

With reference to the above mentioned subject, it is to bring to your notice that Sri Lakshmi Narayana Institute of Medical Sciences, **Bharath Institute of Higher Education and Research** is organizing "Congenital syphilis". The course content is enclosed below."

The hard copy of the application should be sent to the institution by registered/ speed post only so as to reach on or before 13-03-2022. Applications received after the mentioned date shall not be entertained under any circumstances.

Dr. G. JAYALAKSHMI, DEAN, MBBS., DTCD., M.D.,
DEAN
Sri Lakshmi Narayana Institute of Medical Sciences
Osudu, Agaram, Kudapakkam Post,
Villanur Commune, Puducherry - 605502.

Encl: Copy of Course content

COURSE PROPOSAL

Course Title: CONGENITAL SYPHILIS

Course Objective: To explain the clinical features and treatment of congenital syphilis

Course Outcome: completed

Course Audience: 2nd year mbbs students

Course Coordinator: Dr. K. Harsha Vardhan

Course Faculties with Qualification and Designation:

1. **Dr. K. Harsha Vardhan**

Professor, Department of Dermatology

2. **Dr. Buvanaratchagan**

Associate professor, Dept. of Dermatology

Course Curriculum/Topics with schedule (Min of 30 hours)

SlNo	Date	Topic	Time	Hours	Lecture taken by
1	20-3-22	Congenial syphilis introduction	4 to 6 pm	2 hours	Dr. K. Harsha Vardhan
2	23-3-22	Etiology risk factor	4:30 to 6:30 pm	2 hours	Dr. Buvanaratchagan
3	27-3-22	Predisposing factors	5 to 7 pm	2 hours	Dr. K. Harsha Vardhan
4	31-3-22	Clinical features	4 to 6 pm	2 hours	Dr. Buvanaratchagan
5		Complications	4:30 to 6:30 pm	2 hours	Dr. K. Harsha Vardhan
6	4-4-22	Investigation	5 to 7 pm	2 hours	Dr. Buvanaratchagan
7	19-4-22	Treatment	4 to 6 pm	2 hours	Dr. K. Harsha Vardhan
8	21-4-22	Prevention	4:30 to 6:30 pm	2 hours	Dr. Buvanaratchagan
9	24-4-22	General measures	5 to 7 pm	2 hours	Dr. K. Harsha Vardhan
10	28-4-22	Counselling	4 to 6 pm	2 hours	Dr. Buvanaratchagan
11	2-5-22	Treatment in neonate	4:30 to 6:30 pm	2 hours	Dr. K. Harsha Vardhan
12	5-5-22	Case discussion	5 to 7 pm	2 hours	Dr. Buvanaratchagan
13	9-5-22	Q&A	4 to 6 pm	2 hours	Dr. K. Harsha Vardhan
14	12-5-22	Discussion	4:30 to 6:30 pm	2 hours	Dr. Buvanaratchagan
15	16-5-22	Mcqs	5 to 7 pm	2 hours	Dr. K. Harsha Vardhan
			Total Hours	30	

REFERENCE BOOKS:

Rooks Textbook of dermatology 9th edition

Fitzpatrick dermatology in general medicine

ABSTRACT- VALUE ADDED COURSE

1. Name of the programme & Code

Congenital Syphilis and DR04

2. Duration & Period

30 hrs & march 2022 to june 2022

3. Information Brochure and Course Content of Value Added Courses

Enclosed as Annexure- I

4. List of students enrolled

Enclosed as Annexure- II

5. Assessment procedures:

Multiple choice questions- *Enclosed as Annexure- III*

6. Course Feed Back

Enclosed as Annexure- IV

7. No. of times offered during the same

march 2022 to june 2022

8. Year of discontinuation: 2022

9. Summary report of each program year-wise

Value Added Course- march 2022 to june 2022					
Sl. No	Course Code	Course Name	Resource Persons	Target Students	Strength & Year
1	DR04	Congenital Syphilis	Dr. Buvanaratchagan	2nd yr MBBS	15(march 2022– june 22)

10. Certificate model

Enclosed as Annexure- V

Dr. Buvanaratchagan

RESOURCE PERSON

Dr. K. Harsha Vardhan

COORDINATOR

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Dr. Buvanaratchagan

RESOURCE PERSON
CHAGAN, MD.,
Reg. No: 37150
Asso. Professor, Dermatology
Sri Lakshmi Narayana Institute of Medical Sciences
Osudu, Kudapakkam, Puducherry-605 502

COORDINATOR & HEAD
DEPT. OF DERMATOLOGY
SRI LAKSHMI NARAYANA INSTITUTE OF
MEDICAL SCIENCES
PUDUCHERRY

ANNEXURE 1

CONGENITAL SYPHILIS



Participant hand book

Course details

PARTICULARS	DESCRIPTION
Course title	Congenital syphilis
Course code	DR04
Objective	<ol style="list-style-type: none">1. To learn about the clinical features2. To learn about the diagnosis3. To learn about the treatment
Further learning oppurtunities	Recent advances in management
Key competencies	To make the diagnosis and provide adequate treatment
Target student	2 nd year mbbs students
Duration	30 hrs march 2022 to june 2022
Theory session	10 hrs
Practical session	20 hrs
Assessment procedure	Mcqs

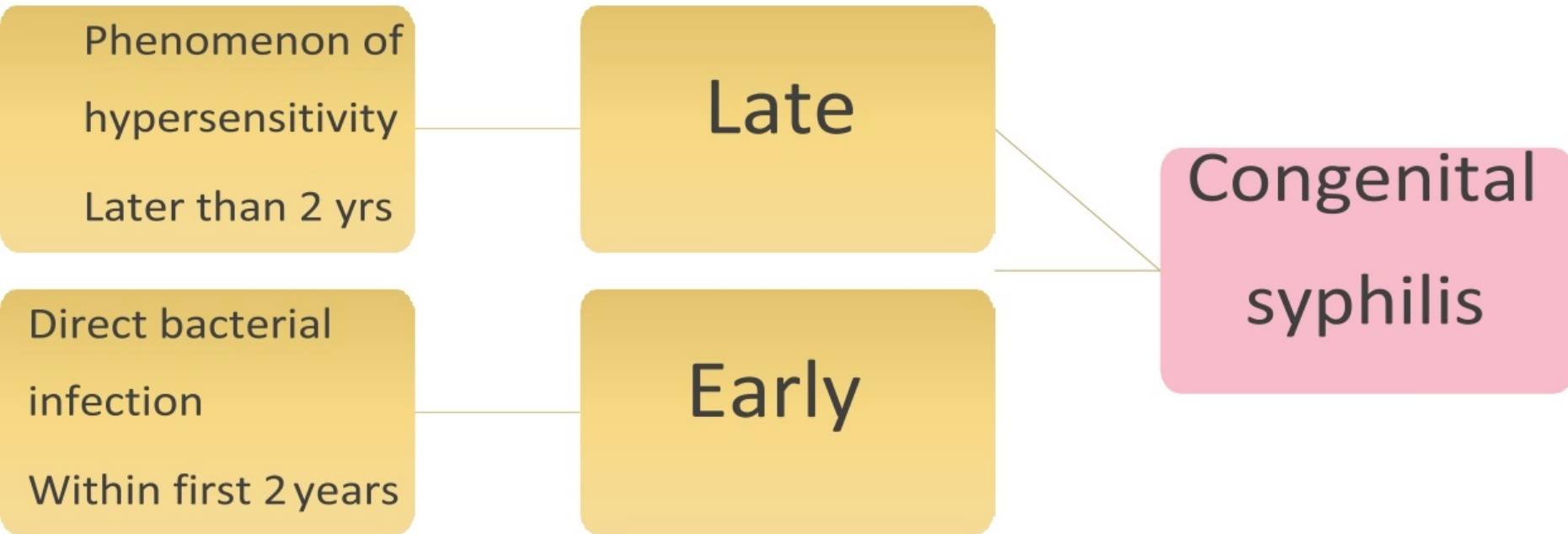
INTRODUCTION

- “Syphilis is a general systemic infection, that may be either congenital or acquired through sexual contact or contaminated needles, in the course of which certain local lesions are produced which are sufficiently striking to attract clinical attention”.
- Congenital syphilis is infection of fetus in utero as a result of syphilitic infected mother and refers to all outcome of pregnancy (spontaneous abortion, still birth, live syphilitic child)

INCIDENCE

- Occurrence of cong. syphilis – indication of STD in a given population
- Sub-Saharan Africa- 10% pregnant women are affected by syphilis
- Decline in incidence after the introduction of penicillin
- In India - <1/1000 of childhood STD's

CLASSIFICATION



PATHOLOGY

- Major fetus- small perivascular inflammatory foci & lymphocytic infiltrate □ reduced growth of parenchymal cells & fibrosis.
- Placenta- heavy, bulky, pale, greasy.

Placenta HPE-

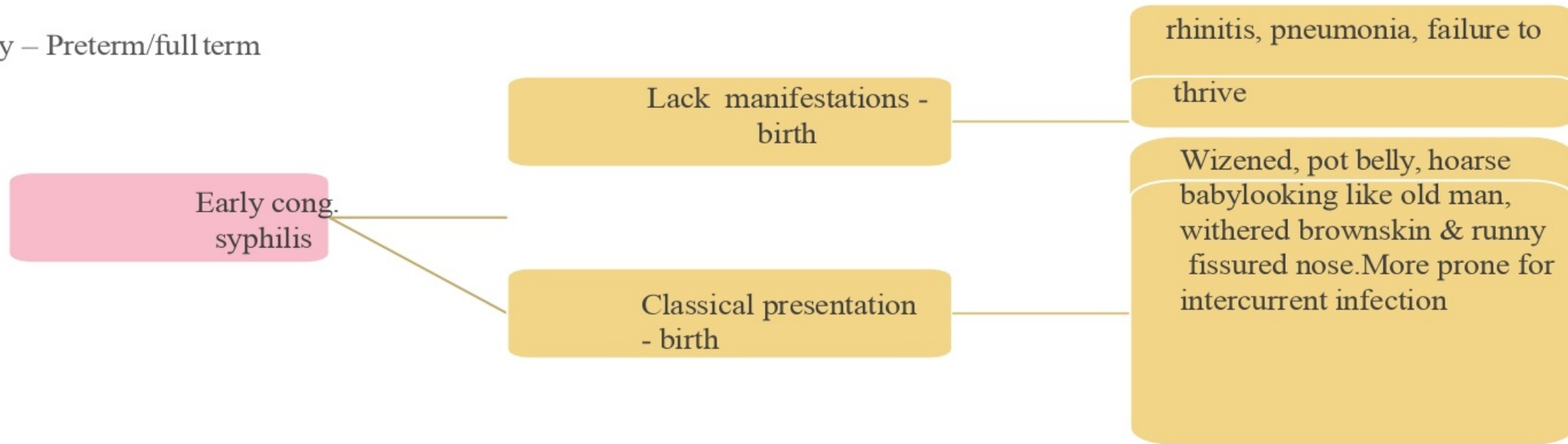
1. Necrotizing funisitis
2. Villous enlargement
3. Acute villitis

- Stillborn fetus- macerated appearance with collapse of skull, protuberant abdomen with enlarged liver and spleen, hemorrhagic bulla.



Early congenital syphilis

- Primary stage – absent (blood borne)
- Baby – Preterm/full term



Skin Lesions

- Vesicobullous rash, symetrically , palms and soles-
earliest & specific sign.
- Also known as *Pemphigus syphiliticus*
- Lesions are contagious, also seen around oral cavity,
trunk, buttocks, and genitalia.
- Few weeks later, a papulosquamous rash may appear. Usually involve the face,
mouth, anterior nares, buttocks, palms & soles.



Multiple, discrete, tense blisters seen over a normal looking skin

Contain serous/seropurulent discharge (spirochetes)



- **Condylomata** lata- flat topped, hypertrophic, moist papules which are greyish white.
 - ❖ Present- angle of mouth, nose, perianal, vulvar.
- **Rhagades-** healed radiating linear scar of fissures produced due to movement of lips.
- **Nail-** syphilitic paronychia(due to nail bed involvement)
 - atrophic nail, claw nail deformity.
- **Hair-** brittle and sparse □ patchy alopecia



- Lead to erosions / snail track ulcers

- In nasal mucosa,



smooth greyish white

discharge (snuffles)

patch watery nasal

thick, purulent &

bloody discharge

breathing and suckling difficulties

ulceration &
perforation of nasal
septum

saddle nose

- **Throat lesions** :pharyngitis & obstruction of larynx occurs
 - characteristic hoarse cry (syphilitic apnoea)



Lymph Nodes

- Generalized lymphadenopathy seen in 50% of the cases.
- Nodes are multiple , discrete & nontender
- Epitrochlear lymphnodes are considered pathognomonic

Bone lesions

During first six months – osteochondritis of long bones

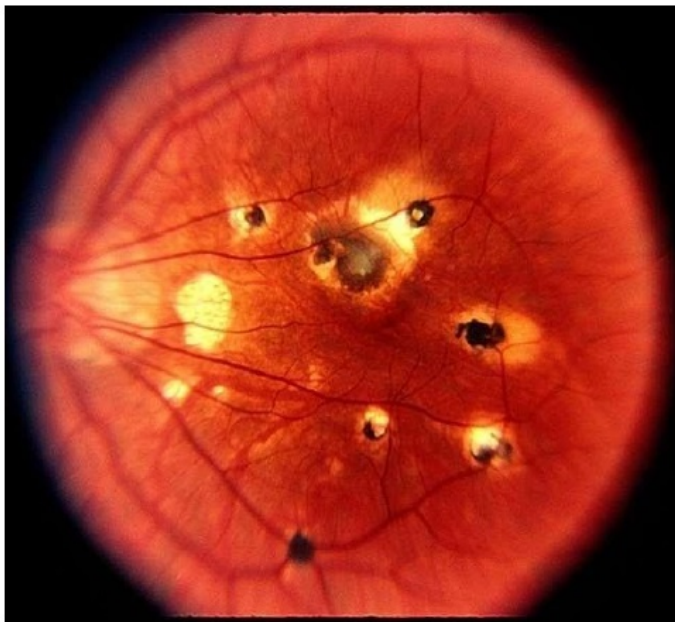
(upp. end of tibia, distal end of radius & ulna)

- Child presents with severe pain, tenderness while handling with consequent loss of movements □ *syphilitic pseudo paralysis*.
- **Wimberger's sign**- loss of density on the medial side of upper end of tibia.
- **Syphilitic dactylitis**-painless fusiform swellings of the digits, osteochondritis of phalanges occur in the second year of life.



Eyes

- Choroidoretinitis, glaucoma, uveitis.
- Choroidoretinitis in later life is seen as salt & pepper fundus showing black pigment & white atrophic patches.



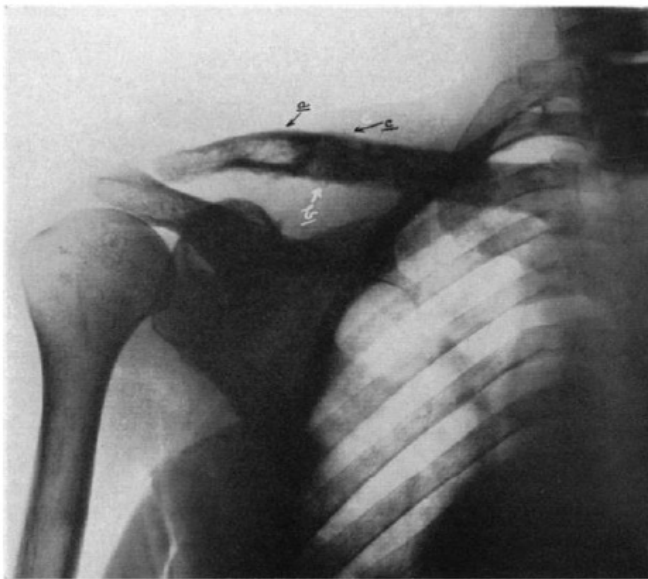
Other organ systems

- **Liver & spleen** – hepatosplenomegaly & ascites □ protuberant abdomen. It may be associated with jaundice & hypoproteinaemia
- **Kidneys**- presence of hyaline , albumin & granular casts in urine.
 - ❖ Proliferative / membranous glomerulonephritis may be seen.
- **Lungs**- infiltration of lungs is known as ‘white pneumonia or pneumonia alba’.
- **Pancreas & intestines** – syphilitic diarrhoea
- **Heart**- myocarditis

Latecongenitalsyphilis

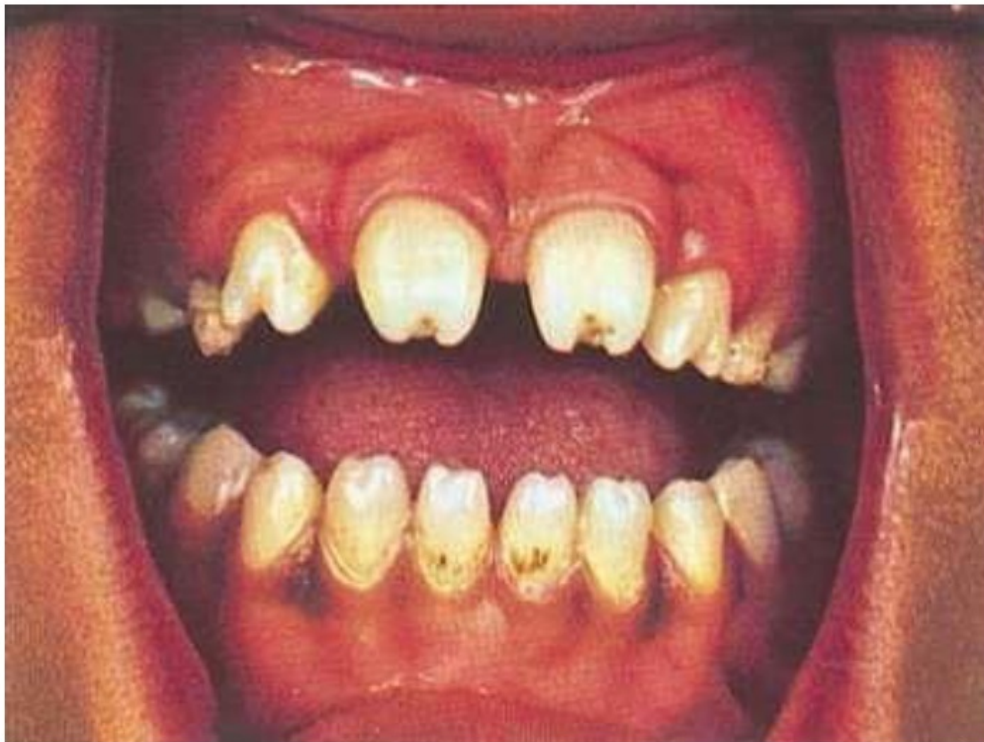
Stigmata

- They are scars & deformity resulting from cong. Syphilis
- Few are characteristic & remain as permanent evidence of infection. Eg:
 1. “**Hot cross bun**” look of the cranium. (frontal & parietal bossing due to chondritis & focalosteitis)
 2. Olympian brow
 3. Saddle nose
 4. Short maxilla
 5. High arched palate
 6. “**Bull dog jaw**” (prominentmandible)
 7. “**Sabre tibia**”
 8. Scaphoid shape of the scapula
 9. “**Higoumenakis’ sign**” – thickening of the medial third of clavicle



- **Hutchinsons' teeth**

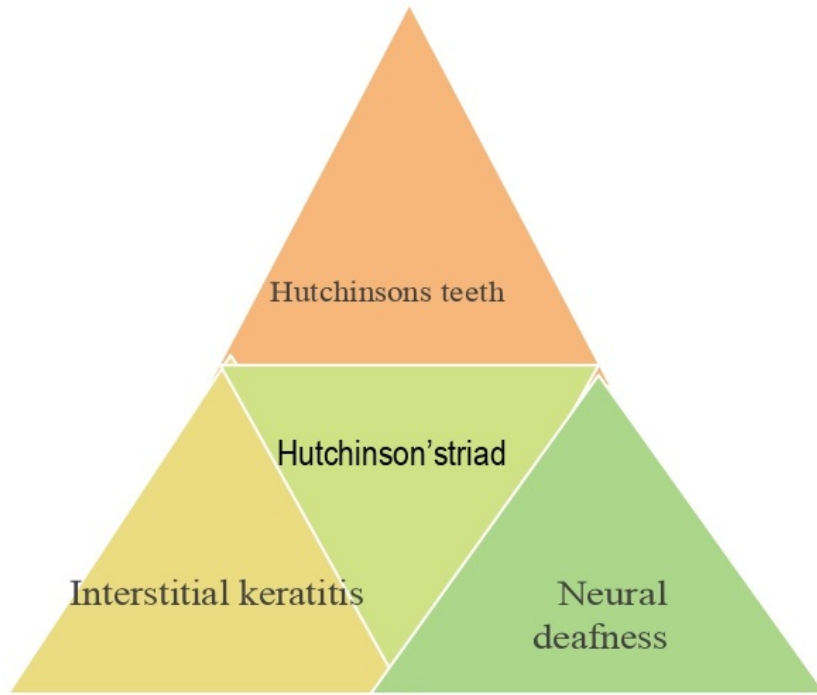
- ❖ Seen at 6yrs /later
- ❖ Permanent upper central incisors are shorter than the lateral incisors
- ❖ Widely spaced
- ❖ Have a notch in the biting edge
- ❖ Due to defective enamel formation
- ❖ Assume a peg / cork screw driver shape
- ❖ Other incisors may also be affected



- **Mulberry / Moon's molars:**

- ❖ First lower molars – commonly effected
- ❖ Under developed & poorly enameled
- ❖ Bitting surface - dome shaped with small projections of ill developed cusps
- ❖ More prone to caries
- ❖ Usually lost in early life





Interstitial keratitis

- It's the most common late manifestation of syphilis
- Age : 5 – 15yrs.
- Symptoms : unilateral photophobia, pain, excessive watering of eyes & blurred vision.
- Usually starts in one eye, the other eye is likely to be involved in a matter of 2 weeks Circumcorneal vascularization
- Salmon patch
- (dull pink patch at corneal periphery) Vascular infiltration extending from sclera
- Cellular exudation
- Syphilitic nebula
- (corneal ground glass appearance)



Neural deafness

- Hypersensitivity reaction to treponemes.
- Due to involvement of cochlear part of VIII nerve
- Symptoms :
 - ❖ Tinnitus
 - ❖ Vertigo
 - ❖ Hearing loss
 - ❖ Cochlear degeneration (osteochondritis of otic capsule)
 - ❖ Sensorineural deafness (ossicles involvement)

Nervous system

- Clinical manifestations may be symptomatic/asymptomatic
- Juvenile paresis is more common than juveniletabs
- Dementia may occur
- Ass. with optic atrophy

Skin&mucousmembranelesions

- Gummas – usual presenting features.
- They may manifest as nodules, nodulo ulcerative & subcutaneous lesions

nasal septal & palatal
perforation nasal twang &
regurgitation of food

Bone lesions

- Gummas may involve long & flatbones
- Manifest as diffuse / localized gummatous osteoperiostitis
- Bones- thickened , tender
- Tibia is most frequently involved, thickening of middle third causes anterior bowing '*Sabre tibia*'
- Localized osteoperiostitis of the skull bones causes the formation of rounded, bony swelling '*Parrot nodes*'
- Thickening of the inner third of the clavicle '*Higoumenakis sign*'
- Dactylitis – rarely occurs.

Clutton's joint

- Perisynovitis of the knee joint
- Age: 8 – 15yrs
- Leads – hydroarthrosis
- It's a painless swelling, insidious in onset & chronic in course
- Usually B/L knees are involved
- Mobility is preserved (no impairment of function)
- X-ray –enlargement of joint spaces with no bone change
- Occasionally elbow joint is involved



Paroxysmal cold haemoglobinuria

- Present in both congenital & acquired syphilis
- Due to the presence of thermolabile haemolysin in blood

C/F:

- ❖ Malaise
- ❖ Headache
- ❖ Back pain
- ❖ Fever
- ❖ Urticaria
- ❖ “*Coca cola*” coloured urine, clears in 1-2 days

Antisyphilitic treatment cures the condition & prevents further attacks.

Diagnosis

1. Demonstration of *T. pallidum* by direct examination – nasal discharge/ early lesions of congenital syphilis.
2. A positive non-treponemal test in a titre higher than the mother / rising titre in serial monthly tests. (but these results do not necessarily indicate infection of the infant & may be due to the presence of reagin & specific antibodies which has passed from the maternal to fetal circulation)
3. An active infection can be ruled out by performing FTA – ABS test
4. Western blot supplementing FTA-ABS tests on serum
5. PCR on CSF fluid.

Treatment



Figure 2. Congenital syphilis. The devastation caused by this disease found in the prepenicillin era was horrible.⁴

Scenario1-

Infant with proven & highly possible disease and an *abnormal physical examination* that is consistent with congenital syphilis. A *serum quantitative non-treponemal serologic titre* i.e four fold higher than the mother's titre. A *positive darkfield or fluorescent antibody test* of body fluid(s)

Recommended Evaluation

- CSF analysis for VDRL , cell count and protein
- CBC , differential & platelet count
- Other tests as clinically indicated (long bone radiographs, chest radiograph, liver function tests, cranial ultrasound, ophthalmologic examination and auditory brainstem response)

Recommended Regimens

Aqueous crystalline penicillin G-

1,00,000 – 1,50,000 units/kg/day

Administered as 50,000 units/kg/dose IV

First 7 days- 12th hourly

Next 10 days – 8th hourly

OR

Procaine penicillin G-

5,00,000 units/kg/dose IM in a single daily dose – 10 days

If more than 1 day therapy is missed , the entire course should be restarted.

Scenario 2

Infants who have a normal physical examination and a serum quantitative nontreponemal serologic titre with same or less than fourfold the maternal titre and the Mother *was not treated, inadequately treated, or has no documentation of having received treatment*; Mother received treatment <4 weeks before delivery

Recommended Evaluation

- CSF analysis for VDRL, cell count & protein
- CBC , differential & platelet count
- Long bone radiographs

Recommended regimen

As Scenario 1

OR

Benzathine penicillin G –

50,000 units/kg/dose IM – single dose

Some specialist prefer the 10 days of parenteral therapy if the mother has untreated early syphilis at delivery

Scenario-3

- Infants who have a normal physical examination and a serum qualitative non-treponemal serologic titer the same or less than fourfold the maternal titer and the Mother was treated during pregnancy, *treatment was appropriate for the stage of infection* and treatment was administered *>4weeks* before delivery ; Mother has *no evidence of re-infection* or relapse

- **Recommended evaluation**

No evaluation required

- **Recommended regimen**

1. **Benzathine penicillin G**–
50,000 units/kg/dose IM - stat

Scenario -4

Infants who have a normal physical examination and a serum quantitative non-treponemal serologic titer the same or less than fourfold the maternal titer and the Mother's *treatment was adequate* before pregnancy Mother's *non-treponemal serologic titer remained low and stable* before and during pregnancy and at delivery (VDRL < 1:2; RPR<1:4)

Recommended evaluation

No evaluation is required

Recommended regimen

- ❖ No treatment is required
- ❖ Some specialist would treat with *benzothine penicillin* 50,000units/kg stat dose when follow up is uncertain.

Evaluation & treatment of older infants and children

Any child at risk for congenital syphilis should receive a full evaluation and testing for HIV infection.

Recommended evaluation:

- ❖ CSF analysis for VDRL , cell count and protein
- ❖ CBC , differential & platelet count
- Other tests as clinically indicated (long bone radiographs, chest radiograph, liver function tests, cranial ultrasound, ophthalmologic examination and auditory brainstem response)

Recommended regimen:

Aqueous crystalline penicillin G–

2,00,000 – 3,00,000 units/kg/day IV

Every 4 to 6 hours- 50,000units/kg

If child has no clinical symptoms and CSF is normal, CSF VDRL is negative–

Annexure 2



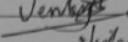
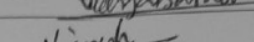


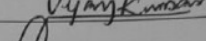


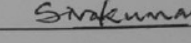
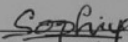
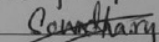


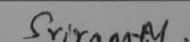
Annexure 2

Bharath Institute of Higher Education and Research

Sri Lakshmi Narayana Institute of Medical Sciences

Participant list of Value-added course: **CONGENITAL SYPHILIS- DR04**

(March 2022 – June 2022)

2 nd Year MBBS Student			Signature
Sl. No	Name of the Student	Reg No	
1	VELMURUGAN .D	U15MB390	
2	VENKATA KUMAR .R	U15MB391	
3	VENKATESH. G	U15MB392	
4	VIDYABARATHI .T	U15MB393	
5	VIGNESH .V	U15MB394	
6	VIGNESH KUMAR. K	U15MB395	
7	VIJAY KUMAR .C.M	U15MB396	
8	VINOTHINI .S	U15MB397	
9	YAKSHANA. D	U15MB398	
10	SIVAKUMAR	U15MB370	
11	SIVANAMBI S	U15MB371	
12	SOPHIYA L	U15MB372	
13	SOUNDARYA M	U15MB373	
14	SOWMYA LAKSHMI I	U15MB374	
15	SRIRAM M	U15MB375	

Dr. A. BUVANARATCHAGAN, MD.,
Reg. No. 37100
Asso. Professor, Dermatology
Sri L. Dr. Buvanaratchagan Medical Sciences
Osudu, Kudapakkam, Puducherry-605 002

RESOURCE PERSON

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DEPT. OF DERMATOLOGY
SRI LAKSHMI NARAYANA INSTITUTE OF
MEDICAL SCIENCES
PUDUCHERRY.
Dr. K. Harsha Vardhan

COORDINATOR

ANNEXURE-3



SRI LAKSHMI NARAYANA INSTITUTE OF MEDICAL SCIENCES

Annexure – III

CONGENITAL SYPHILIS

MULTIPLE CHOICE QUESTIONS

Course code: DR04

1. ANSWER ALL THE QUESTIONS

1. Condyloma Lata is seen in?
 - a. Warts
 - b. TB
 - c. Syphilis
 - d. Onychomycosis
2. Syphilis is often called as?
 - a) Invisible dictator
 - b) The great imitator
 - c) The terrorising emporer
 - d) The great terminator
3. The most infective stage in Syphilis?
 - a) Primary
 - b) Secondary
 - c) Tertiary
 - d) All of the above
4. The healed linear scars of radiating fissures is known as?
 - a) Pemphigus syphiliticus
 - b) Rhagades
 - c) Necrotising funisitis
 - d) Condyloma lata
5. Syphilis is caused by?
 - a) Virus
 - b) Bacteria
 - c) Fungus
 - d) spirochete
6. Wimberger sign is the loss of density on?

- a) Medial side of upper end tibia
 - b) Medial side of lower end tibia
 - c) All of the above
 - d) None of the above
7. Chancre is seen in?
- a) Primary Syphilis
 - b) Secondary Syphilis
 - c) Tertiary Syphilis
 - d) None of the above
8. Syphilis can be?
- a) Felt
 - b) Observed
 - c) Treated
 - d) Tested
9. Syphilis is generally characterised by two clinical stages
- a) False
 - b) True
 - c) Neither true nor false
10. Higumenaki sign is seen in
- a) CONGENITAL syphilis
 - b) Lupus vulgaris
 - c) Scrofuladerma
 - d) Scleroderma

ANNEXURE-3



**SRI LAKSHMI NARAYANA INSTITUTE OF MEDICAL
SCIENCES**

Annexure – III

CONGENITAL SYPHILIS
MULTIPLE CHOICE QUESTIONS

Vinodhini .S

Course code: DR04

1. ANSWER ALL THE QUESTIONS

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 - d) spirochete

10
10

Vinodhini .S

6. Wimberger sign is the loss of density on?
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 b) Medial side of lower end tibia ✓
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ANNEXURE-IV

Student Feedback Form

Course Name: **Congenital Syphilis**

Subject Code: **DR04**

Name of Student: _____ Roll No.: _____

We are constantly looking to improve our classes and deliver the best training to you. Your evaluations, comments and suggestions will help us to improve our performance

Sl. NO	Particulars	1	2	3	4	5
1	Objective of the course is clear					
2	Course contents met with your expectations					
3	Lecturer sequence was well planned					
4	Lectures were clear and easy to understand					
5	Teaching aids were effective					
6	Instructors encourage interaction and were helpful					
7	The level of the course					
8	Overall rating of the course	1	2	3	4	5

*** Rating: 5 – Outstanding; 4 - Excellent; 3 – Good; 2– Satisfactory; 1 - Not-Satisfactory**

Suggestions if any:

Date:16-05-2022

Signature

ANNEXURE-IV

Student Feedback Form

Course Name: **Congenital Syphilis**

Subject Code: **DR04**

Name of Student: Vineetha Roll No.: UISMB397

We are constantly looking to improve our classes and deliver the best training to you. Your evaluations, comments and suggestions will help us to improve our performance

Sl. NO	Particulars	1	2	3	4	5
1	Objective of the course is clear		✓			
2	Course contents met with your expectations				✓	
3	Lecturer sequence was well planned			✓		
4	Lectures were clear and easy to understand				✓	
5	Teaching aids were effective				✓	
6	Instructors encourage interaction and were helpful				✓	
7	The level of the course				✓	
8	Overall rating of the course	1	2	3	4	5

* Rating: 5 – Outstanding; 4 - Excellent; 3 – Good; 2– Satisfactory; 1 - Not-Satisfactory

Suggestions if any:

Date:16-05-2022


Signature

ANNEXURE-IV

Student Feedback Form

Course Name: Congenital Syphilis

Subject Code: DR04

Name of Student: Vijay Kumar Roll No.: U15MB 396

We are constantly looking to improve our classes and deliver the best training to you. Your evaluations, comments and suggestions will help us to improve our performance

Sl. NO	Particulars	1	2	3	4	5
1	Objective of the course is clear	✓				
2	Course contents met with your expectations		✓			
3	Lecturer sequence was well planned			✓		
4	Lectures were clear and easy to understand			✓		
5	Teaching aids were effective				✓	
6	Instructors encourage interaction and were helpful				✓	
7	The level of the course				✓	
8	Overall rating of the course	1	2	3	4	5

* Rating: 5 - Outstanding; 4 - Excellent; 3 - Good; 2 - Satisfactory; 1 - Not-Satisfactory

Suggestions if any:

Date: 16-05-2022

Vijay Kumar
Signature



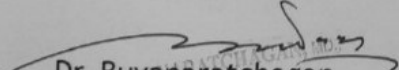
Sri Lakshmi Narayana Institute of Medical Sciences

Affiliated to Bharath Institute of Higher Education & Research
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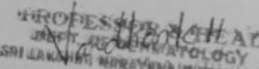


CERTIFICATE OF MERIT

This is to certify that VITAYKUMAR .C.M has actively participated in the Value Added Course on Congenital Syphilis held during March 2022 – June 2022 organized by Sri Lakshmi Narayana Institute of Medical Sciences, Pondicherry- 605 502, India.


Dr. Buvanaratchagan

RESOURCE PERSON


PROFESSOR & HEAD
DEPT. OF MICROBIOLOGY

Dr. K. Harsha Vardhan

COORDINATOR

Course completion letter

Date 20-05-22

From
Dr. K. Harsha Vardhan
Department of Dermatology
Sri Lakshmi Narayana Institute of Medical Sciences
Bharath Institute of Higher Education and Research,
Chennai.

Through Proper Channel

To
The Dean,
Sri Lakshmi Narayana Institute of Medical Sciences
Bharath Institute of Higher Education and Research,
Chennai.

Sub: Completion of value-added course: congenital syphilis

Dear Sir,

With reference to the subject mentioned above, the department has conducted the value-added course titled: **congenital syphilis** on 20-3-2022. We solicit your kind action to send certificates for the participants, that is attached with this letter. Also, I am attaching the photographs captured during the conduct of the course.

Kind Regards

Dr.K. Harsha Vardhan

<HOD Sign and Seal>

Encl: Certificates

Photographs

Course completion letter

Date 20-05-22

From
Dr. K. Harsha Vardhan
Department of Dermatology
Sri Lakshmi Narayana Institute of Medical Sciences
Bharath Institute of Higher Education and Research,
Chennai.

Through Proper Channel

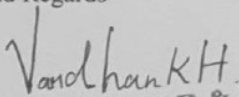
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Chennai.

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Kind Regards


Dr. K. Harsha Vardhan
PROFESSOR & HEAD
DEPT. OF DERMATOLOGY
SRI LAKSHMI NARAYANA INSTITUTE OF
MEDICAL SCIENCES
CHENNAI, PUDUCHERRY
<HOD Sign and Seal>

Encl: Certificates

Photographs



ANNEXURE-3



**SRI LAKSHMI NARAYANA INSTITUTE OF MEDICAL
SCIENCES**

Annexure – III

CONGENITAL SYPHILIS
MULTIPLE CHOICE QUESTIONS

Vinodhini .S

Course code: DR04

1. ANSWER ALL THE QUESTIONS

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 - c) Tertiary
 - d) All of the above
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 - b) Rhagades
 - c) Necrotising funisitis
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 - a) Virus
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 - c) Fungus
 - d) spirochete

10
10

Vinodhini.S

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b) Medial side of lower end tibia
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d) Scleroderma

ANNEXURE-IV

Student Feedback Form

Course Name: **Congenital Syphilis**

Subject Code: **DR04**

Name of Student: _____ Roll No.: _____

We are constantly looking to improve our classes and deliver the best training to you. Your evaluations, comments and suggestions will help us to improve our performance

Sl. NO	Particulars	1	2	3	4	5
1	Objective of the course is clear					
2	Course contents met with your expectations					
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5	Teaching aids were effective					
6	Instructors encourage interaction and were helpful					
7	The level of the course					
8	Overall rating of the course	1	2	3	4	5

*** Rating: 5 – Outstanding; 4 - Excellent; 3 – Good; 2– Satisfactory; 1 - Not-Satisfactory**

Suggestions if any:

Date:16-05-2022

Signature

ANNEXURE-IV

Student Feedback Form

Course Name: Congenital Syphilis

Subject Code: DR04

Name of Student: Vineetha Roll No.: UISMB397

We are constantly looking to improve our classes and deliver the best training to you. Your evaluations, comments and suggestions will help us to improve our performance

Sl. NO	Particulars	1	2	3	4	5
1	Objective of the course is clear		✓			
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3	Lecturer sequence was well planned			✓		
4	Lectures were clear and easy to understand				✓	
5	Teaching aids were effective				✓	
6	Instructors encourage interaction and were helpful				✓	
7	The level of the course				✓	
8	Overall rating of the course	1	2	3	4	5

* Rating: 5 - Outstanding; 4 - Excellent; 3 - Good; 2 - Satisfactory; 1 - Not-Satisfactory

Suggestions if any:

Date: 16-05-2022


Signature

ANNEXURE-IV

Student Feedback Form

Course Name: Congenital Syphilis

Subject Code: DR04

Name of Student: Vijay Kumar Roll No.: U15MB 396

We are constantly looking to improve our classes and deliver the best training to you. Your evaluations, comments and suggestions will help us to improve our performance

Sl. NO	Particulars	1	2	3	4	5
1	Objective of the course is clear	✓				
2	Course contents met with your expectations		✓			
3	Lecturer sequence was well planned			✓		
4	Lectures were clear and easy to understand			✓		
5	Teaching aids were effective				✓	
6	Instructors encourage interaction and were helpful				✓	
7	The level of the course				✓	
8	Overall rating of the course	1	2	3	4	5

* Rating: 5 - Outstanding; 4 - Excellent; 3 - Good; 2 - Satisfactory; 1 - Not-Satisfactory

Suggestions if any:

Date: 16-05-2022

Vijay Kumar
Signature



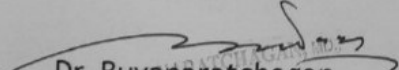
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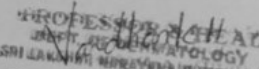


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Dr. Buvanaratchagan

RESOURCE PERSON


PROFESSOR & HEAD
DEPT. OF MICROBIOLOGY

Dr. K. Harsha Vardhan

COORDINATOR

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ANNEXURE-V



Sri Lakshmi Narayana Institute of Medical Sciences

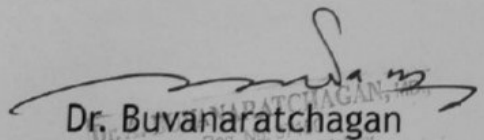
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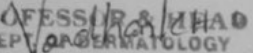


CERTIFICATE OF MERIT

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Dr. Buvanaratchagan

Reg. No. S
Professor, Dermatology & Venereology
Sri Lakshmi Narayana Institute of Medical Sciences
Osudu, Kudapakkam, Pondicherry- 605 502.
RESOURCE PERSON


PROFESSOR & HEAD
DEPARTMENT OF DERMATOLOGY

SRI LAKSHMI NARAYANA INSTITUTE OF MEDICAL SCIENCES
Dr. K. Harsha Vardhan
OSUDU, PONDICHERRY.

COORDINATOR

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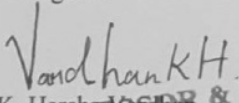
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<HOD Sign and Seal>

Encl: Certificates

Photographs

