

Sri Lakshmi Narayana Institute of Medical Sciences

Annexure 1

Date 28/06/2019

From
Prof.D.Baba, MS
Professor and Head,
Ophthalmology,
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: SLIT LAMP BIOMICROSCOPY

Dear Sir,

With reference to the subject mentioned above, the department proposes to conduct a value-added course titled: SLIT LAMP BIOMICROSCOPY on **JULY-2019 – OCT -2019**. We solicit your kind permission for the same.

Kind Regards

PROF.D.BABA, MS
HOD, OPHTHALMOLOGY

FOR THE USE OF DEANS OFFICE

Names of Committee members for evaluating the course:

The Dean: Prof.K.Balagurunathan M.S,

The HOD: Prof.D.Baba M.S,

The Expert: Dr.R.Shobana, DNB,

The committee has discussed about the course and is approved.

DEAN
Prof.K.BALAGURUNATHAN M.S
(General surgeon)
SRI LAKSHMI NARAYANA
INSTITUTE OF MEDICAL SCIENCES
OSUDU PONDICHERRY

Subject Expert

HOD

PROFESSOR & HOD
DEPARTMENT OF OPHTHALMOLOGY,
SRI LAKSHMI NARAYANA INSTITUTE OF MEDICAL SCIENCES
PUDUCHERRY-605 502.



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]

Ref. No. SLIMS/Dean Off/VAC / OPH12

Date: 28.06.2019

From

The Dean
Sri Lakshmi Narayana Institute of Medical sciences,
Pondicherry – 605502

To

The Registrar,
Bharath Institute of Higher Education and Research,
Chennai - 600073.

Respected Sir

Sub: Request for permission and approval of Syllabus for certificate course (Value Added course) for the academic year 2019-2020 - Reg
Ref: Requesting letter received from Departments

With reference to the above, herewith forwarding the proposed list of Value-added courses for necessary permission and approval of syllabus to conduct the same.

1. RETINOPATHY OF PREMATUREITY
2. SLIT LAMP BIOMICROSCOPY

This is for your kind information and needful action.

Thanking you

Yours faithfully

[DEAN]

Encl's:

1. Requesting letter received from department
2. Syllabus of the course
3. Details of faculty handling course

DEAN
Prof. K. BALAGURUNATHAN M.S.
(General Surgeon)
SRI LAKSHMI NARAYANA
INSTITUTE OF MEDICAL SCIENCES
OSUDU, PONDICHERRY

**Sri Lakshmi Narayana Institute of Medical Sciences,
Puducherry**

VALUE ADDED COURSE –

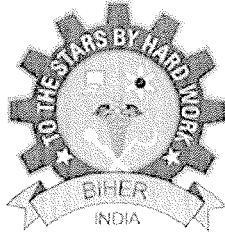
1. RETINOPATHY OF PREMATUREITY
2. SLIT LAMP BIOMICROSCOPY

COURSE CO-ORDINATOR DETAILS

Faculty Name: Prof.D.Baba, MS

Email ID: ophthalmologyprof@gmail.com

Mobile number: 8585485988



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Ref. No. BHIER/ VAC / OPH12

Date: 30.06.2019

From

The Registrar,
Bharath Institute of Higher Education and Research,
Chennai - 600073.

To

The Dean
Sri Lakshmi Narayana Institute of Medical sciences,
Pondicherry – 605502

Sir / Madam,

Sub: Approval of Syllabus to conduct certificate course (Value Added course) for the academic year 2015-2016 – Reg.

Ref: Ref. No. SLIMS/Dean Off/VAC /OPH12 Dated: 28.06.2019

With reference to the above, it is to inform that the proposal submitted to conduct Value Added Course has been accepted and approved by BIHER, council meeting. List of the VAC are mentioned below for the academic year 2019– 2020. The abstract of the VAC course completion detail should be submitted to the Registrar office.

1. RETINOPATHY OF PREMATURITY
2. SLIT LAMP BIOMICROSCOPY

Thanking you

Yours faithfully



REGISTRAR



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

01.07.2019

Sub: Organising Value-added Course: SLIT LAMP BIOMICROSCOPY

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 "**SLIT LAMP BIOMICROSCOPY**". The course content and registration form is enclosed below."

The application must reach the institution along with all the necessary documents as mentioned. The hard copy of the application should be sent to the institution by registered/ speed post only so as to reach on or before 05TH JULY 2019. Applications received after the mentioned date shall not be entertained under any circumstances.

Dean

DEAN

Prof. K. BALAGURUNATHAN M.S.
(General surgeon)
SRI LAKSHMI NARAYANA
INSTITUTE OF MEDICAL SCIENCES
OSUDU, PONDICHERRY

Encl: Copy of Course content

VALUE ADDED COURSE

1. Name of the programme & Code

Slit Lamp Biomicroscopy

2. Duration & Period

30 hrs & July-2019 – Oct-2019

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. Certificate model

Enclosed as Annexure- IV

7. No. of times offered during the same year:

July-2019 – Oct-2019 (1)

8. Year of discontinuation: 2017


9. Summary report of each program year-wise

Value Added Course- July-2019 – Oct-2019					
Sl. No	Course Code	Course Name	Resource Persons	Target Students	Strength & Year
1	OPH12	Slit lamp biomicroscopy	Dr.R.Shobana S.R. - Ophthal	30	2019

10. Course Feed Back

Enclosed as Annexure- V


Dr.R.Shobana S.R.
RESOURCE PERSON


Prof. D. Baba, M.S,
COORDINATOR
DEPARTMENT OF OPHTHALMOLOGY,
SRI LAKSHMI NARAYANA INSTITUTE OF MEDICAL SCIENCES
PUDUCHERRY-605 502.

Annexure 2 – Course Proposal

Course Title: SLIT LAMP BIOMICROSCOPY

Course Objective:

1. Optical design
2. Models & accessories
3. Examination
4. Colour coding of corneal lesions
5. How to view fundus using slit lamp & 90D
6. Various lenses used for fundus examination

Course Outcome: On successful completion of the course the students will be able to use the Slit lamp for ophthalmic examination purposes.

Course Audience: MBBS UNDERGRADUATES

Course Coordinator: PROF.D.BABA, MS,

Course Faculties with Qualification and Designation:

1. Prof.D.Baba, MS, - HOD Ophthalmology
2. Dr.R.Shobana S.R.

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

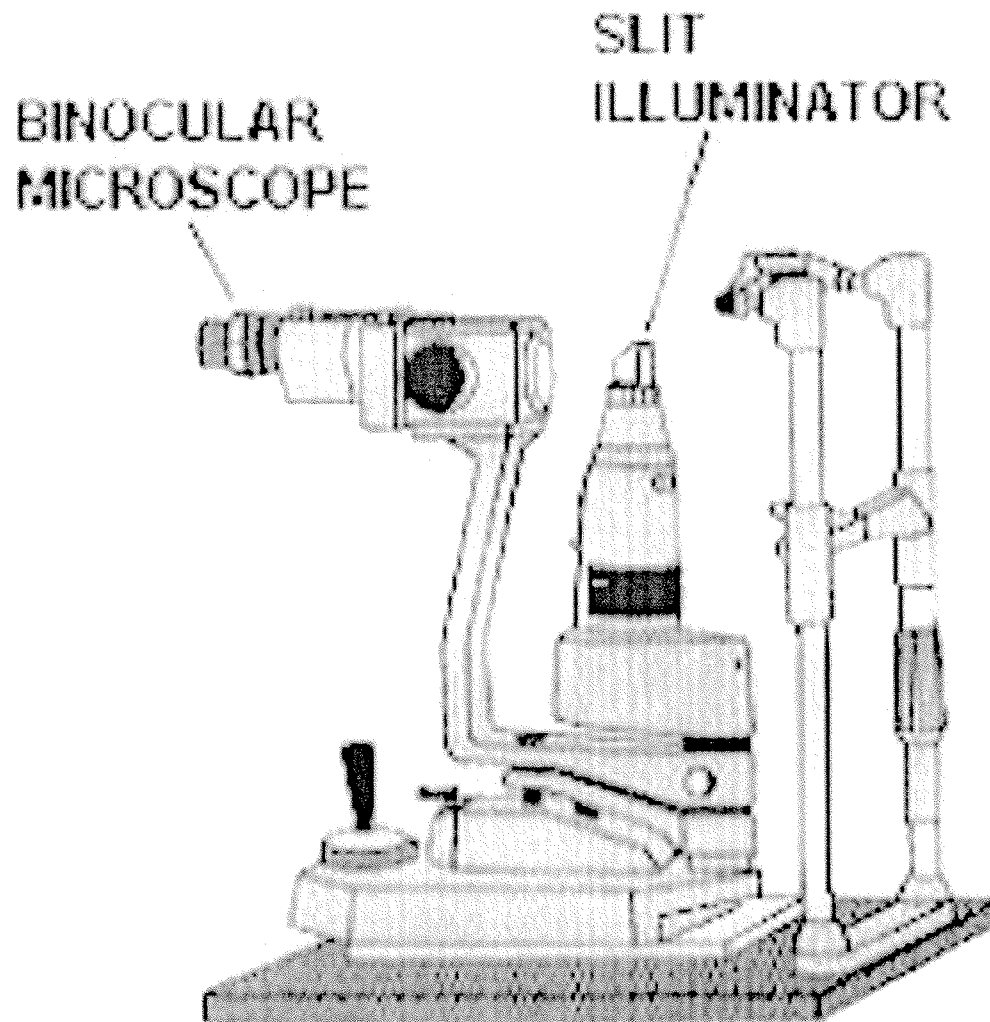
SlNo	Date	Topic	Time	Hours
1.	10/7/2019	Optical design	4-6PM	2
2.	19/7/2019	Optical design	4-7PM	3
3.	24/7/2019	Models & accessories	4-6PM	3
4.	27/7/2019	Models & accessories	4-6PM	2
5.	28/7/2019	Examination	4-7PM	3
6.	09/8/2019	Examination	4-7PM	3
7.	12/8/2019	Colour coding of corneal lesions	4-7PM	3
8.	16/8/2019	Colour coding of corneal lesions	4-6PM	2
9.	19/8/2019	How to view fundus using slit lamp & 90	4-6PM	2
10.	21/8/2019	How to view fundus using slit lamp & 90D	4-7PM	3
11.	24/8/2019	Various lenses used for fundus examination	4-6PM	2
12.	28/8/2019	Various lenses used for fundus examination	4-6PM	2

			TOTAL HOURS	30
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REFERENCE BOOKS: (Minimum 2)

1. JACK J KANSKI clinical ophthalmology a systemic approach-6th edition.
2. PARSON'S Diseases of the eye – 19th edition

SLIT LAMP BIOMICROSCOPY



PARTICIPANT HAND BOOK

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SLIMS

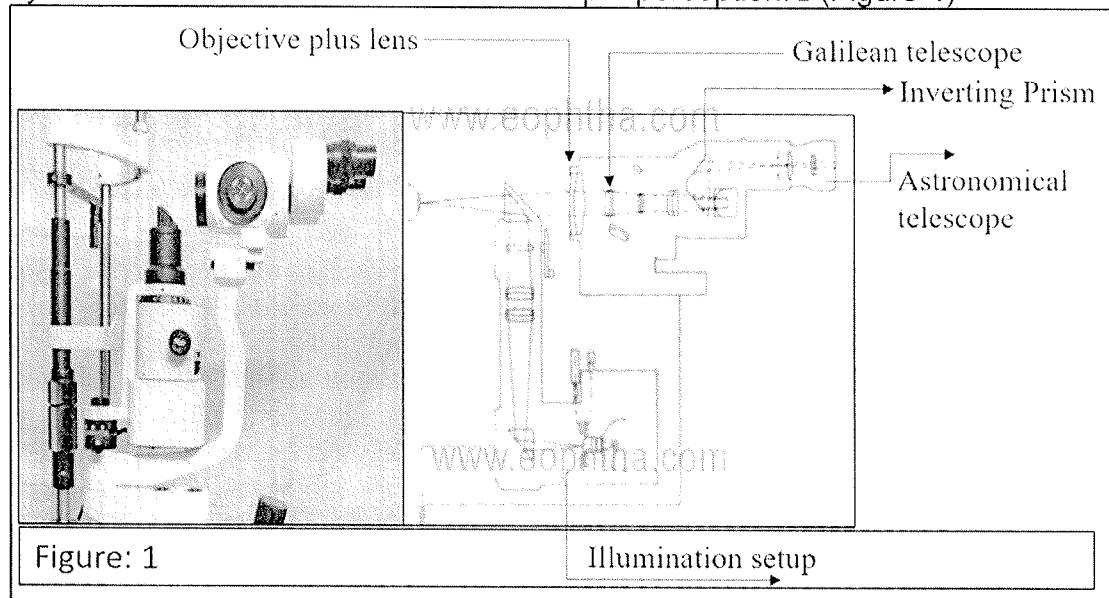
COURSE DETAILS

Particulars	Description
Course Title	Slit Lamp Biomicroscopy
Course Code	OPH01
Objective	<ol style="list-style-type: none">1. Role of Slit Lamp in ophthalmology2. Principle, Parts and its functions3. How To Use a Slit Lamp4. Methodological Information5. Illumination Techniques6. Fundoscopy with 90D lens7. Hruby Lens fundoscopy8. Applanation Tonometry9. Fluorescein Staining and Cobalt Blue Filter10. Red free green filter11. Portable Hand-held slit lamp
Further learning opportunities	Slit Lamp Digital Imaging and Videography
Key Competencies	On successful completion of the course the students will have skill in handling and observing the structures of the eye using a slit lamp
Target Student	3 rd MBBS Students
Duration	30hrs Every September 2016– January 2017 & February – August 2017
Theory Session	10hrs
Practical Session	20hrs
Assessment Procedure	Multiple choice questions

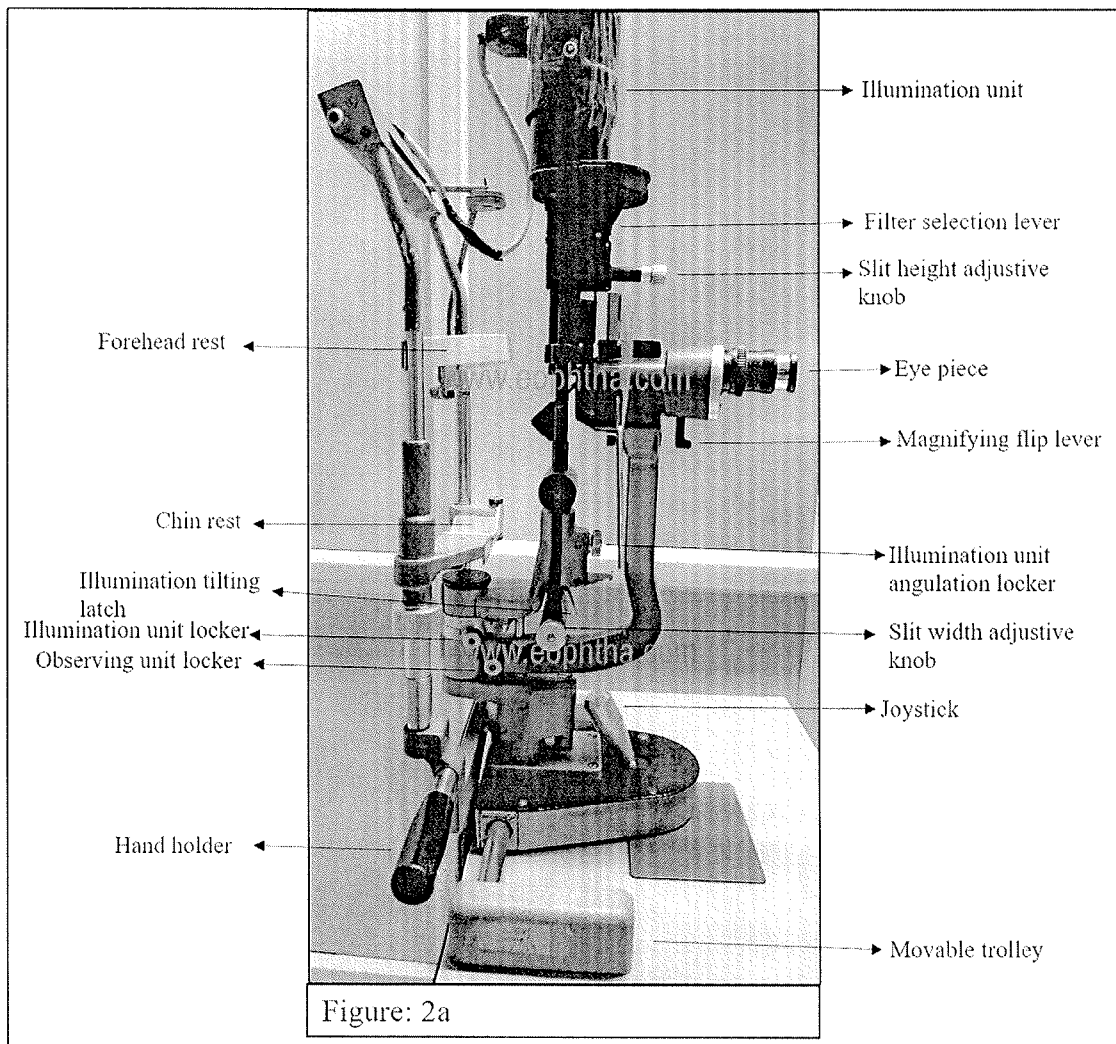
A slit-lamp is a binocular microscope used for eye examination using a slit-like light beam. In 1911, **Allvar Gullstrand**, a Swedish Ophthalmologist designed table-mounted binocular eyepiece for 3-dimensional visualization of optically clear eye structures. Later **Otto Henker**, combined Gullstrand slit lamp with Czapski's binocular microscope resulting in first slit lamp biomicroscope, allowing hand-free examination of an eye.

The optical design of the Slit-Lamp Biomicroscope (SLB).

Due to the miniature size of the anterior segment of the eye, we need high magnification and clarity to appreciate finer details. This can be achieved by having 2 convex lenses at the observer end (eyepiece) separated at its focal distance (astronomical telescope type alignment) and, a concave-convex combination (Galilean telescope type alignment) at the examinee's end for further magnification of the image. Telescopic arrangements of lenses need to be focused at near, hence a plus power objective lens is fixed at the examinee's end. The eyepiece lenses invert image by default hence a porro-abbe prism is placed in front of it for erect image visualization. Lastly, one eyepiece for each eye aids in binocular visualization and depth perception. 2 (Figure-1)



The illumination system is either a halogen or xenon lamp. Light passes through a slit diaphragm converting diffuse light into a slit beam. Both the observing system and illumination units are fixed around the same center of rotation for para focal movement to ensure slit beam and observing focus fall on the same point of interest. Both the illuminating system and the observing unit are fixed over the mechanical stand. A joystick allows the to-fro, side-to-side, and up & down moments of both units. Chinrest and fixation targets allow the examinee to rest and fixate. (Figure-2a).



Models and accessories:

The illumination unit may be vertically oriented with a light source at the top (Haag Streit) model or the light source may be at the bottom with a horizontal prism reflecting the light (Zeiss model). In general, the magnification is achieved by a flip lever in the Haag Streit model (Greenough type) or knob to change magnification as in Zeiss model (Galilean changer type) (Figure 2b)

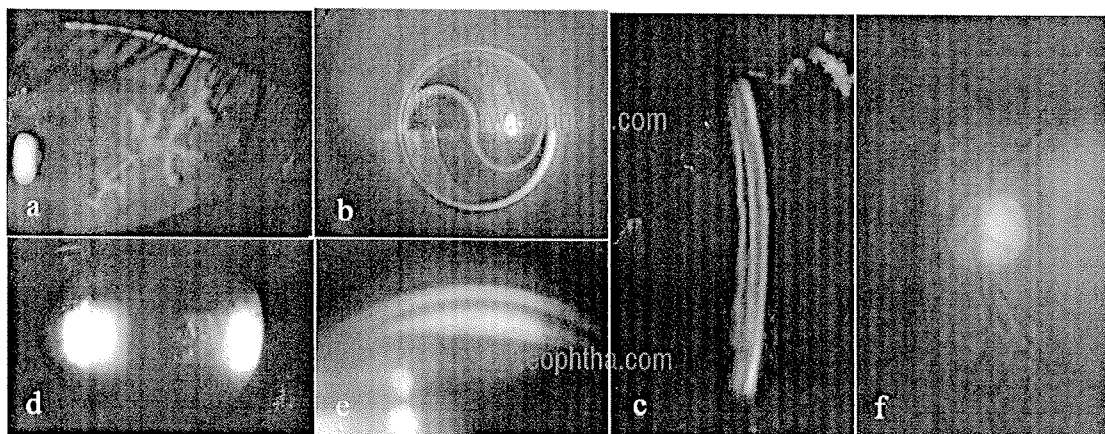
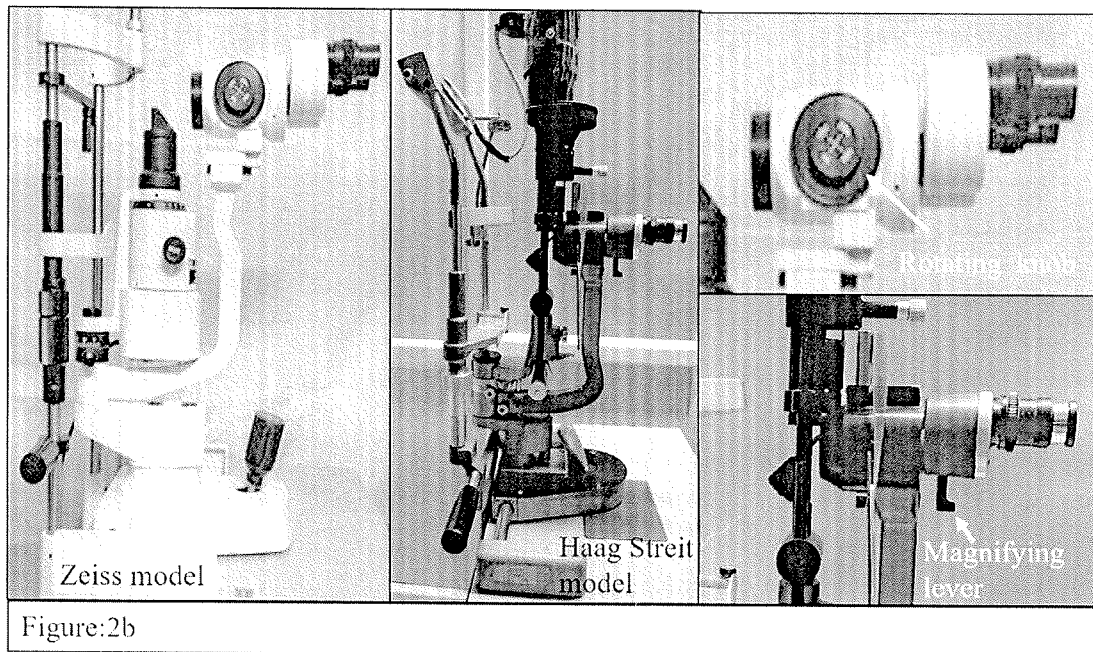


Figure: 3

Just like filters in indirect ophthalmoscope, SLB is also fitted with a blue filter which, along with fluorescein stain is used to study the integrity of conjunctiva and cornea (Figure-3a) and also during applanation tonometry. (Figure-3b)

Red free filters help in better visualization of blood vessels and hemorrhages. Neutral density filter decreases brightness comforting the patient. Polarising filters reduces unwanted specular reflections. Special yellow filters enhance contrast when used with fluorescein or cobalt blue filter.

Slit beam with its freedom of adjustable height, width, rotation, and intensity, allows examination of the anterior segment in different ways. A calibrated knob is provided to adjust the height of the slit and is used to measure the dimensions of lesions. A narrow slit beam at limbus can be used to measure the depth of the

anterior segment angle (Figure-3c), Conical (pinpoint) slit through the anterior chamber appreciates Tyndal moment of cells and aqueous turbidity (Figure-3d). Angles can be studied by goniolens (Figure-3e) and fundus by +90diopter lenses. (Figure-3f)

A diffuse slit-free illumination is used for gross pathologies of the lid margin, conjunctiva, and cornea. (Figure-4a) A direct slit illumination passes a narrow slit of light through the transparent tissues and helps in the cross-sectional study of opaque lesions like corneal and lens opacities (Figure-4b). The light directing at the sclera glows the cornea through total internal reflection and indirectly highlights subtle corneal pathologies (Figure-4c). Light is made to reflect from the iris (Iris retro illumination) or fundus (fundus retro illumination) to visualize corneal and lens opacities better. (Figure-4d). A parallelopiped beam of light focused at an angle over the cornea delineates enface architecture (Figure-4e). Tangential beam used for visualization of iris and lens surfaces.

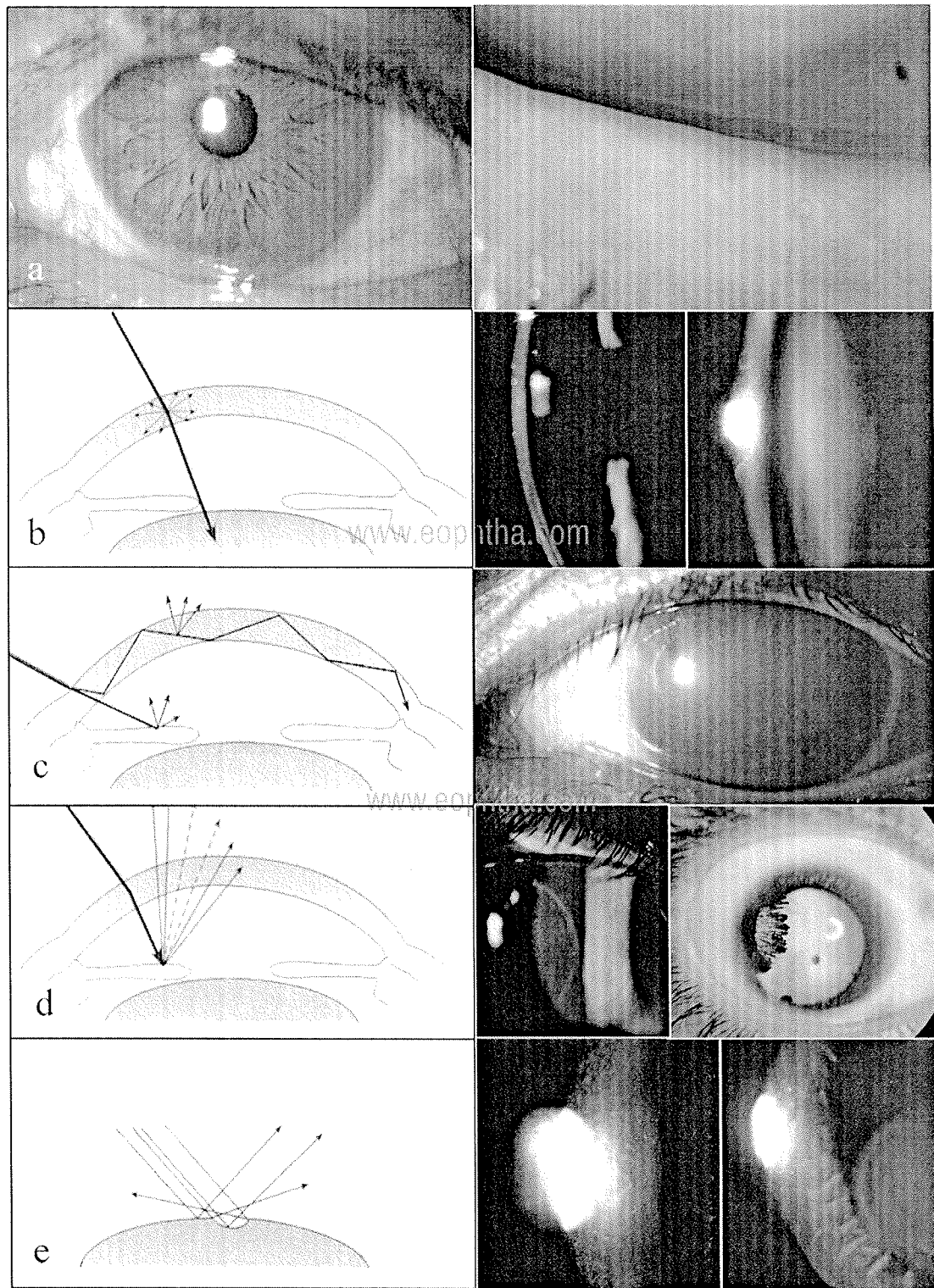


Figure: 4

Additional fittings: A beam splitter can be fitted to a viewing system to share

BIHER

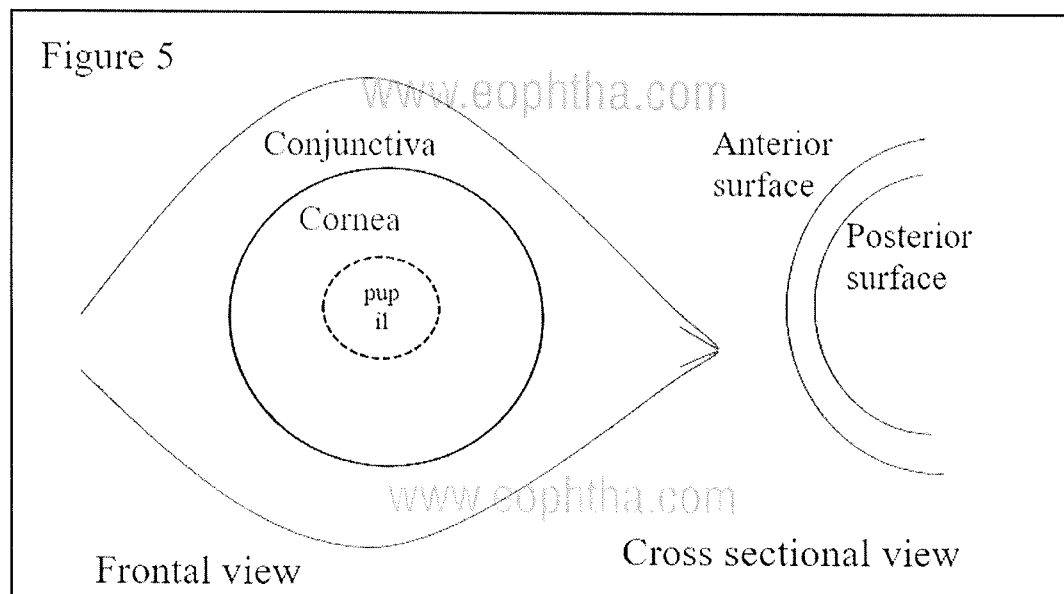
SLIMS

visualization with secondary attachments like an observer tube to teach students or capture videos/ digital photos. Additional attachments like pachymetry, keratometry, OCT for angle study, smartphone camera system, and fundus camera can be fixed for respective uses. Collagen cross-linking system fixed to slitlamp for cross-linking can be carried as OPD procedures. Software programs can be inculcated into slit-lamp for remote operating which is under the evolving stage in the field of teleophthalmology. A miniature portable slit-lamp is a handy and mobile piece to examine bed-ridden patients and in operation theatres.

Examination and drawings

A slit-lamp examination is done in a semi-dark room. After comfortable positioning of the examinee, adjust the chinrest position such that the patient lateral canthus is aligned with the mark on the headset bar. Target is given to fix during the examination. With appropriate illumination examine eyelids and lashes, tear film, conjunctiva, cornea, anterior chamber, iris and pupil, lens, and vitreous in order.

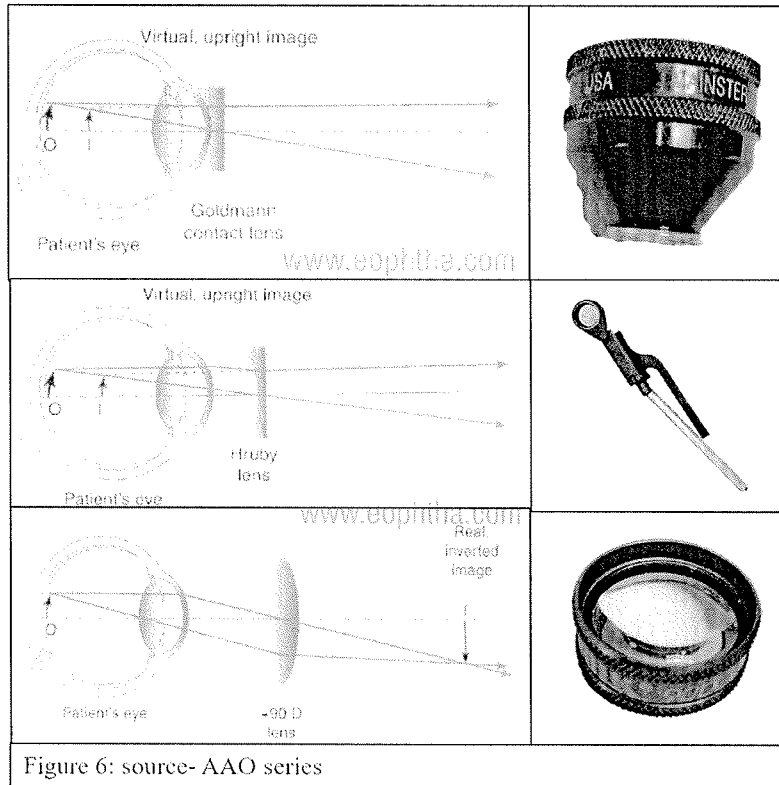
Drawing slit-lamp examination findings and pseudo coloring are important for follow-up and also for teaching purposes: (Figure: 5) Red for blood vessels and bleeds, Blue for edematous tissue, green for surface defects, yellow for infiltrates, hypopyon, and lastly blue/black for pigmented regions/lesions.



Fundus visualisation and lenses

The high refractive power of cornea does not allow direct visualization of the fundus. Contact lenses are used to nullify the curvature effect of the cornea like Goldman fundus lens, Hruby Lens, Zeiss 4-mirror gonio lenses. Here images are virtual and upright. Non-contact lenses with very high power can be used (+78, +90Diopter spherical lenses) to visualize the aerial image of the fundus just like an IDO (upside down and laterally inverted images).³ (Figure:6) With these

lenses, SLB gives a magnified, stereoscopic view of the posterior pole. Panoramic fundus view up to the periphery can be obtained with appropriate lenses.



Relative magnification, the field of view depends on the power of the lens and refractive status of the eye. In general, the higher the power of the lens, the lesser the magnification and wider is the field of view. The details are addressed in the appendix-2. Generally, +78/90 non-contact lenses are used in OPD settings for quick examination of the posterior pole (magnification factor for 78 is nearly $\times 1$, hence often used for macular examination and disc examination). For laser delivery and other therapeutic procedures, contact lens methods are used which have a higher field of view than non-contact lenses. Haagstriet models have an illumination unit with tilting latch. Dissociation of parafofality is done by the tilting illumination unit. This trick coupled with a horizontal slit beam for 90/78D lens use avoids unnecessary reflexes allowing reflex-free fundus examination. (Figure:7)

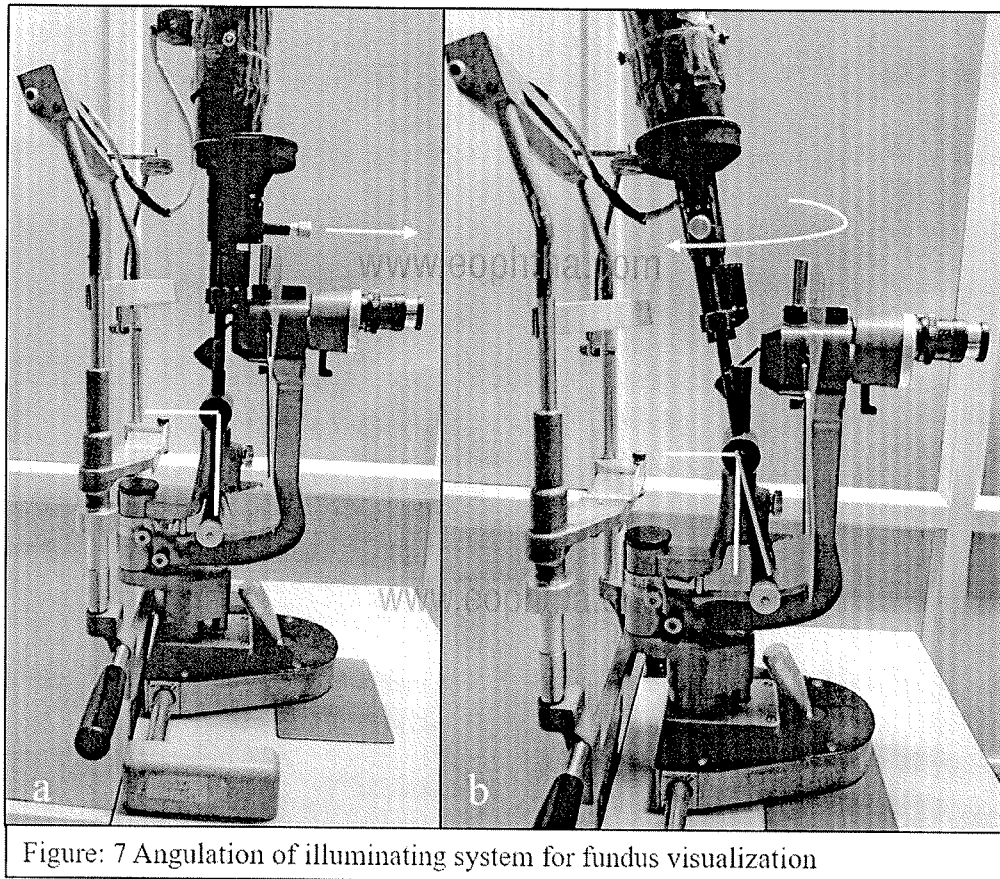


Figure: 7 Angulation of illuminating system for fundus visualization

Mastering fundus visualisation in slitlamp

The technique of visualizing the fundus image in a non-contact method is the same as IDO. Just that a high magnifying lens is used here and working distance is brought down with the use of additional lenses in slit-lamp. The observer (observing unit) – lens-pupil of examinee should be on the same axis to visualize the fundus. The contact method examination involves a coupling agent like lubricant gel (4 mirror gonio lens may not need a coupling agent) and the lens is placed over the cornea for examination. After comfortable seating, both upper and lower lids are pulled and the examinee is asked to look upwards. The contact lens is placed from below over fornix and the examinee is asked to look straight while the observer slowly guides the contact lens over the cornea. (Figure 8a-d) The non-contact lenses are kept at an approximately 1-2 centimeter distance from cornea while fingers are used to separate both eyelids. (Figure 8 e&f).



Figure 8: Steps of contact (a-d) and non contact (e&f) lens placing for fundus visualization

Macular details can be visualized by macular contact lenses and larger areas can be visualized by pan-fundus lenses. Additionally, gonioscopes are designed specifically for both angle assessment and fundus visualization. The mirrors are angulated and designed to visualize a specific portion of the posterior segment.

Maintenance of Slit lamp and lenses.

A lint-free cloth moistened with alcohol is used to clean the headrest, chin rest, and hand holder. If paper strips are used for chin rest, they have to be replaced with every use. Gonio lens, +90D/78D to be washed with soap and water and air-dried.

Take-home tips:

1. Learning para focal illumination and focusing comes with practice. The majority of anterior segment lesions are best appreciated when techniques are perfectly executed.
2. Make the best use of filters for different conditions and at different times of examination.
3. Angulation of the illuminating unit removes unwanted reflexes during fundus examination by contact and non-contact lenses.

4. Keeping the slit-beam horizontal makes macular visualization more comfortable and convenient.
5. Don't miss an opportunity of using and learning the contact method fundus visualization technique which is easier with a better view than non-contact one.

LENS	MAGNIFICATION	FIELD OF VIEW (Degrees)
78 D	0.93x	81/97
90 D	0.76x	74/89
GOLDMANN 3 MIRROR	1.06	60/66/76
AREA-CENTRALIS	1.06x	70/84
TRANSEQUATORIAL	0.7x	110/132
QUADRASPHERIC	0.5X	120/144

Appendix-1.

Illumination	Diffuse	Parallelepiped	optic section	Conical section	Sclerotic scatter	Fundus retro illumination	Iris Retro-illumination	Specular reflection
Beam angle	450 to 600	450 to 600	450 to 600	600 to 750	600	00	600	(usually 450)
Beam height	Maximum	Maximum	maximum	3-4mm	Maximum	Maximum	Maximum	maximum
Beamwidth	4mm to wide open	1-2mm	0.2-0.3mm	0.5-0.6mm	1mm	1-2mm	1-2mm	1-2mm
Magnification	Low	Start low then increase	Increase as necessary	20-30X	Low	Low to high as necessary	Low to high as necessary	High
Illumination level	Low	Low	Moderate to high	Maximum	Moderate	Moderate	Moderate	moderate

Source: Textbook of Optometry science and clinical management

Appendix-2: Lenses and its magnifying power, field of view.

VALUE ADDED COURSE**SLIT LAMP BIOMICROSCOPY****4. List of Students Enrolled JULY - 2019– OCT -2019**

SL. No.	University Reg. No.	Name of the student	Signature
1	U19MB251	AAYESHA TAUHEED	Aayesha Tauheed
2	U19MB252	ABHIJITH A	Abhijith A.
3	U19MB253	ABIHA SHERIN M	Abhisheer
4	U19MB254	ABINAYA SHANMUGAM	Abinaya Shanmugam
5	U19MB255	ADHITI PRAKASH	Adhiti Prakash
6	U19MB256	ADITHYA S KUMAR	Adithya S.
7	U19MB257	S M AISHMEKA SAIRA	Aishmeeka Saira
8	U19MB258	AISHU MUPPANENI	Aishu muppaneni
9	U19MB259	AJETH R	Ajeth R.
10	U19MB260	AKASH P	Akash P
11	U19MB261	AMIR FAJURA A	Amir Fajura
12	U19MB262	AMLAN KUMAR KAR	Amlan Kumar Kar
13	U19MB263	ANANDHA VIGNESHVAR A	Anandha vigneshvar
14	U19MB264	ANISHA C	Anisha C.
15	U19MB265	ANMOL KAUL	Anmol kaul.
16	U19MB266	ANNET GERIZIM	Annet gerizim
17	U19MB267	ANUSHA MOL VINCENT VJP	Anusha molvincent
18	U19MB268	ARAVIND N	Aravind N
19	U19MB269	ARNAB ADHIKARI	Arabadhi kari
20	U19MB270	ARNAB JYOTI DAS	Arnet jyo
21	U19MB271	ARTHY M	Arthy m.
22	U19MB272	ARUNESHWARAN N	Aruneshwaran
23	U19MB273	ARUSHI MAHINDRA GAIKWAD	Arushi mahindregadwad.
24	U19MB274	ASHA J	Asha J.

25	U19MB275	ASHMI RAHIMAN	<i>Ashmi Rahiman</i>
26	U19MB276	ATHULYA RAVINDRAN	<i>Athulya Ravindran</i>
27	U19MB277	BALAJI M	<i>Balaji M.</i>
28	U19MB278	BALAJI S	<i>Balaji S</i>
29	U19MB279	BAVINENI RAMYA SAI SREE	<i>Bavineni Ramya Sai Sree</i>
30	U19MB280	BHUVAN SUNDAR M	<i>Bhuvan Sundar M</i>

Shr
Dr.R.Shobana, S.R
RESOURCE PERSON

Prof.D.Baba
Prof.D.Baba, MS-HOD
COORDINATOR
PROFESSOR & HOD
 DEPARTMENT OF OPHTHALMOLOGY,
 SRI LAKSHMI NARAYANA INSTITUTE OF MEDICAL SCIENCES
 PUDUCHERRY-605 502.



**SRI LAKSHMI NARAYANA INSTITUTE OF HIGHER EDUCATION
AND RESEARCH**

AYESHA TAHOED
019MB281

Annexure - IV

SLIT LAMP BIOMICROSCOPY
MULTIPLE CHOICE QUESTIONS

Course Code: OPH12

I. ANSWER ALL THE QUESTIONS

1. Inventor of Slit Lamp

- a. Allvar Gullstrand ✓
- b. Von Graffe ✓
- c. Von Helmholtz
- d. Galliello

2. Parts of a Slit Lamp

- a. Illumination Sysytem
- b. Magnification System ✓
- c. Chinrest Stand
- d. All of the above ✓

3. Filters in a Slit Lamp

- a. Cobalt Blue Filter ✓
- b. UV Filter ✓
- c. X ray Filter
- d. None of the above

4. Illumination Technique in a Slit Lamp

- a. Diffuse
- b. Parellopped ✓
- c. Both A & B are Correct ✓
- d. None of the above



SRI LAKSHMI NARAYANA INSTITUTE OF HIGHER EDUCATION AND RESEARCH

5. Which of the following are filter is not present

a. Green Filter

b. Blue Filter

c. White Filter ✓

d. None of the above ✓

6. Which of the following is not visualized by a Slit Lamp?

a. Cornea

b. Lens ✓

c. Retina ✓

d. None of the above

7. Which Lens is not used with a Slit Lamp?

a. 90D

b. Hruby Lens ✓

c. 20D ✓

d. 78D

8. What is the magnification of 90D lens?

a. 0.93x ✓

b. 0.76x ✓

c. 1.06x

d. None of the above

9. Images produced in Slit Lamp?

a. Real Image

b. Virtual image ✓

c. Both Real & Virtual image ✓

d. None of the above



SRI LAKSHMI NARAYANA INSTITUTE OF HIGHER EDUCATION AND RESEARCH

10. Additional Uses of Slit Lamp

- a. Fundus Examination
- b. Applanation Tonometry
- c. Both A & B are Correct ✓
- d. None of the above



Sri Lakshmi Narayana Institute of Medical Sciences

Affiliated to Bharath Institute of Higher Education & Research
(Granted to be University under section 3 of the UGC Act 1956)



CERTIFICATE OF MERIT

This is to certify that AAYESHA TAUHEED (U19MB251) has actively participated in the Value Added Course on SLIT LAMP BIOMICROSCOPY held during JULY 2019 TO OCT 2019 Organized by Sri Lakshmi Narayana Institute of Medical Sciences, Pondicherry- 605 502, India.

Dr. R. Shobana
Senior Resident – Ophthal
RESOURCE PERSON

Prof. D. Baba, MS,
Prof & HOD - Ophthal
COORDINATOR



Sri Lakshmi Narayana Institute of Medical Sciences

Affiliated to Bharath Institute of Higher Education & Research
(Deemed to be University under section 3 of the UGC Act 1956)



CERTIFICATE OF MERIT

This is to certify that ABHIJITH A (U19MB252) has actively participated in the Value Added Course on SLIT LAMP BIOMICROSCOPY held during JULY 2019 TO OCT 2019 Organized by Sri Lakshmi Narayana Institute of Medical Sciences, Pondicherry- 605 502, India.

Dr. R. Shobana
Senior Resident – Ophthal
RESOURCE PERSON

Prof. D. Baba, M.S,
Prof & HOD - Ophthal
COORDINATOR

Student Feedback Form

Course Name: **SLIT LAMP BIOMICROSCOPY**

Subject Code: **OPH12**

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:


Signature

Annexure 5

Date : 29/4/2018

From
Prof.D.Baba, MS,
Professor and Head,
Ophthalmology,
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: SLIT LAMP BIOMICROSCOPY

Dear Sir,

With reference to the subject mentioned above, the department has conducted the value-added course titled: **SLIT LAMP BIOMICROSCOPY** for 30students in JULY-OCT 2019. 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

Prof.D.Baba, MS

HOD ,Ophthalmology

Encl: Certificates

Photographs

