

SRI BALAJI

ACCREDITED BY NAAC
WITH 'A' GRADE



VIDYAPEETH

DEEMED TO BE UNIVERSITY
DECLARED U/S 3 OF THE UGC ACT, 1956

NIRF - INDIA RANKINGS 2019 : 72 among Universities in India

FELLOWSHIP IN OBSTETRICS AND GYNAECOLOGY ULTRASOUND

Department of Obstetrics and Gynaecology In
Collaboration With
Department Of Radio diagnosis

SYLLABUS & REGULATIONS



2019-2020 ONWARDS

(As Approved in the Academic Council at the Meeting held on 22.05.2019)



SRI BALAJI VIDYAPEETH

U/S 3 of UGC Act 1956
Puducherry-607402

**Mahatma Gandhi Medical College and Research Institute,
Pondicherry**



**Department of Obstetrics and Gynaecology In
Collaboration With
Department Of Radio diagnosis
2019-2020 Onwards**



SRI BALAJI VIDYAPEETH

U/S 3 of UGC Act 1956
Puducherry-607402

COURSE CURRICULUM FOR FELLOWSHIP IN OBSTETRICS AND GYNAECOLOGY ULTRASOUND

2019-2020



SRI BALAJI VIDYAPEETH

U/S 3 of UGC Act 1956
Puducherry-607402

<p>.Name of the Department, Institute responsible for running the Course</p> <p>Department of Obstetrics and gynaecology In collaboration with Department of Radiodiagnosis Mahatma Gandhi Medical college & Research Institute</p>	<p>Course Coordinator</p> <p>Name Dr Sunil Kumar Samal</p> <p>Phone number 7598461660</p> <p>e-mail drsksamal1981@gmail.com</p>
<p>2. Course Title / Nomenclature</p> <p>Fellowship in Obstetrics & Gynaecology ultrasound</p>	<p>Is it stand alone course? No</p> <p>Other departments involved Department of Radiodiagnosis</p> <p>Course Fee Proposed Rs.*</p> <p>*Will be fixed by University</p>



SRI BALAJI VIDYAPEETH

U/S 3 of UGC Act 1956
Puducherry-607402

<p>3. Target participants/students who are likely to join this course</p> <ul style="list-style-type: none">• MD/MS O&G• DGO• DNB O&G• MD(Radiology)/DMRD/DNB RD	<p>Eligibility Criteria</p> <p>After completion of post graduate degree</p>
<p>4. Course Duration</p> <p>One year</p>	<p>How many courses do you intend to have in one academic year?</p> <p>Two batches (Two students each) one batch in January and second batch in July</p>
<p>5. Mention where further details are available about this course</p> <p>It will be uploaded in SBVU web site</p>	



SRI BALAJI VIDYAPEETH

U/S 3 of UGC Act 1956
Puducherry-607402

6. Course Need

Knowledge and skill of ultrasound in the field of obstetrics and gynaecology has been the corner stone in diagnosis and management of various obstetrics and gynaecological conditions. This course will help in gaining confidence in diagnosis and management of common and rare fetal and maternal conditions. After completion of the course, the fellows can work independently or associated with different maternity and women centres across the country or abroad.

7. Course Goal(s) (Statement)

To provide

- Adequate knowledge about principles and practice of obstetrics and gynaecological ultrasound
- Theoretical knowledge in obstetrics ultrasound
- Practical training in obstetrics and gynaecological ultrasound
- Research in the field of obstetrics and gynaecological ultrasound

Expected Course Outcomes (State in measurable terms)

At the end of the course



SRI BALAJI VIDYAPEETH

U/S 3 of UGC Act 1956
Puducherry-607402

- The students will be confident in performing Obstetrics and gynaecological scans independently
- They will be able to diagnose common fetal anomalies and their management
- Experience in Doppler recordings of maternal and fetal circulation
- Will acquire transferable skills which include
 - o Practical skills in teaching
 - o Research skills - critical review of literature and statistical methods
 - o Communication skills

8. Teaching learning activities and evaluation credit based



SRI BALAJI VIDYAPEETH

U/S 3 of UGC Act 1956
Puducherry-607402

	Month	Practical hours (4 hours/day Or 24 hours/week)	Theory hours (4 hours/week)	Credit points
Module-1	July-sept	288	48	18+3=21
Module-2	Oct-Dec	288	48	18+3=21
Module-3	Jan-March	288	48	18+3=21
Module-4	April-June	288	48	18+3=21
				Total=84

Model : Total marks-100

Theory : Long question- 1x 10 marks - 10

Short question- 6x 5 marks - 30

Practical: OSCE - 10x4 - 40 marks



SRI BALAJI VIDYAPEETH

U/S 3 of UGC Act 1956
Puducherry-607402

9. List the teaching learning activities and methods used for instruction, monitoring and mentoring

(Lecture, Tutorial, Small Group Teaching, Seminars, Journal clubs and more)

- Audio visual lectures
- Interactive sessions
- Extensive hands on training sessions
- Periodical presentation of interesting cases, journal articles in the clinical meetings
- Paper presentations

11. Course Evaluation



SRI BALAJI VIDYAPEETH

U/S 3 of UGC Act 1956
Puducherry-607402

Formative Evaluation		
Component	Weight (Example)	
Internal assessment	10	

SRI BALAJI VIDYAPEETH

U/S 3 of UGC Act 1956
Puducherry-607402

Log book/E portfolio	10	
Theory exam	40	
Practical	40	
Total	100	

Pass Requirements: 50% (Each in Internal assessment, theory & practical)

12. Course Requirements

- At least 80% of attendance
- Submission of Log book
- Research project
- Pass percentage -50% in each (internal assessment, theory and practical)

13. Infrastructure and Physical Facilities available for the course including online resources



SRI BALAJI VIDYAPEETH

U/S 3 of UGC Act 1956
Puducherry-607402

- USG machines in both O&G and Radiology department
- Central library, medial Simulation/Skill labs

14. Faculty and Staff in place for the Course

Faculty of Obstetrics & Gynaecology

Faculty of Radiodiagnosis

15. Any other information about the unique feature of this course. You may like to highlight the employment potential of the course and tangible benefits

Syllabus

The students will go through the following modules during the one year course.

Module - 1 - Physics of Ultrasound and basic science related to ultrasound in obstetrics and gynaecology

PCPNDT Act

Basic Obstetrics & Gynaecology Ultrasound

Basic Obstetric ultrasound

SRI BALAJI VIDYAPEETH

U/S 3 of UGC Act 1956
Puducherry-607402

- **Fetal lie & presentation**
- **Placental localization**
- **Amniotic fluid index**
- **Fetal biometry**
- **Ultrasound Anatomy of Pelvis and USG related pathology of pelvis**



SRI BALAJI VIDYAPEETH

U/S 3 of UGC Act 1956
Puducherry-607402

Module - 2- Normal and Abnormal Fetal Anatomy of different organ system and Fetal Doppler

Normal and Abnormal uterus and adnexa

Practice with hands on cases under supervision

Module 3- Evaluation fetal heart (Fetal Echocardiography)

Module 4 - Fetal 3D and 4D ultrasound

3D ultrasound of Uterus and Adnexa

S no	Reference Books/ Journals
1	Ultrasound in Obstetrics and gynaecology - By Alferd Abuhamad
2	Callen's Ultrasonography in Obstetrics and gynaecology
3	Ultrasound Diagnosis of fetal Anomalies-By Dario Palladini
4	Ultrasound in Obstetrics & Gynaecology-Journal



SRI BALAJI VIDYAPEETH

(Deemed to be University)

U/S 3 of UGC Act 1956

Puducherry-607402

MODEL QUESTION PAPER

(FELLOWSHIP IN OBSTETRICS AND GYNAECOLOGY ULTRASOUND)

Time -2 hrs

Answer all questions

Total marks-40

1. Define IUGR. Classify IUGR according to fetal medicine Barcelona. Explain the management of different stage of IUGR.

(2+2+6=10 marks)

Short notes

(6x5=30)

2. Mention different types of artefacts in ultrasonography in OBGYN
3. Pulse repetition frequency (PRF)
4. Amniotic fluid index
5. Ultrasound features of Morbidly adherent placenta
6. Chorionicity Ultrasound features