

## Course Announcement Summary

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Title of the course: Sick newborn care Course: Evidence based Practices

Reduction of Neonatal mortality and providing quality services to sick newborn is challenge in South Asia. The increasing institutional delivery rates have placed a huge strain on the already weak infrastructure and manpower of most health facilities. The health care providers are often ill-equipped to manage the sick babies due to lack of adequate exposure during medical training (pre-service training) and continuously evolving new evidence based practices.

### *What will the learner gain?*

The course content is need based, covers the "must know" domains for sick newborn care and augments key competencies. The learner shall learn management of:

1. Common conditions in sick neonate
2. Maintenance and upkeep of common equipments in NICU.
3. Common procedures in NICU
4. Follow up care of high risk neonate

### *Why should the learner take this course? How is this course different in this world of knowledge overload?*

This current course on sick newborn care has been developed for enhancing knowledge and skills of doctors who would be manning small hospitals and for postgraduates undergoing Pediatrics training. The course content is need based, covers the "must know" domains for sick newborn care and augments key competencies.

1. This course shall teach both basic and expert knowledge
2. It shall help you develop analysis, evaluation, and application of learnt knowledge in day to day clinical scenarios
3. It shall help you to think, learn and work together to solve common neonatal case problems

### Practical information on this course

This course is being offered by WHO-CC AIIMS with a team of Neonatal specialists from all over India. The mentors of the course team can be accessed via (<http://www.ontop-in.org/img/pdf/ONTOP-FACULTY.pdf>). We have new mentors joining in from this course and we shall update this list very soon. The prerequisites for the intended learner and mentors are the following:

#### *Participant*

1. Is comfortable in understanding and comprehending English
2. Computer with broad band / 3 G data card connection installed.

3. Has access to Internet connection at work place or home (need not be specific at a particular time).
4. Is willing to spend at least 3 hours per week online.
5. Agrees to post comments on discussion forum.
6. Ready to help other team members in case of difficulty
7. Ready to undergo online MCQ at beginning of course/ each module & skill learning at the end of online learning.

### *Online tutor*

Local online tutor is the key to success of entire programme. She / he has the onus of coordinating skill learning in hospital and also has the responsibility of keeping the group motivated. We encourage building local teams for sharing the responsibility and always going by suggestions of partners. The online tutor should:

1. Regularly update the discussion forum with relevant, comprehensive answers
2. Available for synchronous chat session of the cohort and electively plans and schedules the chat a priori in consultation with the group.
3. Monitors and motivates those who are missing either from the discussion forum, chat session, or are not regularly logging in for more than a week. Prior information will be shared.
4. Contacts the administrator for any help that may be required for smooth running of course.
5. Updates new relevant information on latest news block.
6. Ensures that the successful candidates are given certificate after coordinating with the administrator.
7. The tutor normally has to log in at least 2--4 hours per week and in addition has to also keep a regular appraisal of the activities of the participants.
8. Ready to resolve and is physically present in the unit intermittently when some local server related or course related issues need to be sorted out.

### *Schedule and workload*

The course requires 30 minutes on online active reading everyday and some extra time on weekends. However, a learner who misses time on the week days can catch up anytime during the weekends. It is suggested that learner works regularly to avoid any week end workload increase. The learner shall be able to learn anywhere and anytime.

In addition the course shall also include virtual webinars (live events) every week with live interaction with the speaker. We understand your other commitments and the work schedule and the content presentation has been structured to mitigate these challenges.

*The course shall run in two phases*

*Phase 1 (6 weeks)*

*This phase shall include the following modules*

- ✚ Week1: Feeding of normal and low birth weight newborn
- ✚ Week 2: Temperature regulation (including Kangaroo mother care)
- ✚ Week 3 and 4: Hypoglycemia and Seizures
- ✚ Week 5 and 6: Neonatal Infection and its prevention

**The participant has to pass the first phase to be eligible for the second phase**

#### *Phase 2 (6 weeks)*

- ✚ Week 7: Respiratory Distress and oxygen therapy
- ✚ Week 8 and 9: Anemia in newborn and shock
- ✚ Week 10: Neonatal jaundice
- ✚ Week 11: Triaging and important neonatal equipments
- ✚ Week 12 and 13: Transport and follow up (including Retinopathy of prematurity)

#### *Scaffolding/ Participant Support*

The learner need not be overwhelmed by the course material and knowledge overflow. If the learner cannot manage the daily logs; there is always time to catch up over the weekend when the activity which has happened in the absence of the learner is displayed under “Recent Activity” tab after you log in. In addition, the timings of the chats/live webinar is displayed upfront when the course is announced. Any technical issues (problem with log in) and any platform related problems shall be responded back within 48 hours of receiving the mail. You may mail to [puneetnagi@yahoo.com](mailto:puneetnagi@yahoo.com) in case of any technical problems in logging n or any other issues.

#### *Assessment*

*How will the learners be assessed?*

1. Scores in multiple choice questions examination and quiz attempts shall be given **50% weightage**. The dates of the multiple choice questions and the quiz shall be declared at the commencement of the course and they shall be open for 72 hours. Only a single attempt shall be allowed and this shall last for a fixed time (10 to 15 minutes) after the learner logs in the multiple choice questions examination.
2. Each participant will be assessed on the basis of the ongoing participation in discussion forum with relevant replies/evidence based supplemental reading materials raising questions on important relevant issues pertaining to the week’s topic. These posts will be given **25% weightage**. The posts shall be marked on the basis on content (original, analytical, thought process used with relevant references) and the number of posts in each forum.
3. Participation in online chats and online webinars (**25% weightage**) will also be marked. On the successful completion of the course the participants will be given a certificate.

You can have an easy access to the program here <http://www.ontop-in.org/ontop-training/ONTOP-TRAINNG.htm>

### *Additional Learning Resources*

These will be posted in the respective weeks

### *Credential of value and cost*

The learner attains a certificate on successful completion of the course (pass percentage 75% overall); however this course should not be viewed as courses giving license to health professionals to practice neonatology. We are committed to provide quality education which is affordable and competency based.

*Disclaimer: We have taken utmost precaution to ensure that no harm occurs from the application of these protocols. WHO-CC AIIMS will not take any responsibility for any harm to patients, care giver resulting from misinterpretation or misuse of these resource materials.*