



PANNA DHAI MAA SUBHARTI NURSING COLLEGE
SWAMI VIVEKANAND SUBHARTI UNIVERSITY, MEERUT



Value Added Course

**From
December
2017**

On

**Register
Soon**

Simulation Training on Mama-Natale

Beneficiaries: B.Sc (N) IV Year

Date: 15-27 Dec 2017 (2-4 PM daily)

Venue:

Course Coordinator:

HoD:- OBG Nursing

Advance Skill OBG Lab, Panna Dhai Maa Subharti Nursing College

SIMULATION TRAINING ON MAMA NATALIE

Introduction

MamaNatalie birthing simulator comes with a NeoNatalie and helps to create realistic scenarios for childbirth. It has been designed to facilitate an engaging role play that will make learning sessions for conducting deliveries memorable and efficient.



Uses and functions

MamaNatalie birthing simulator makes it easy to create very natural situations of complex or normal birthing scenarios. It is strapped on the waist of an operator, who takes the role of the pregnant woman and manually controls the training scenarios for childbirth and the other features.

- Development of communication skills during labour and delivery
- Realistic training in steps to control post-partum haemorrhage
- Foetal heart rate monitoring
- Urinary bladder catheterization
- Bleeding after birth, normal and excessive
- Simulation of cervix by cervical ribbon for bi-manual uterine compression of the uterus
- Simulation of contracted and atonic postpartum uterus
- Breech delivery, Vacuum delivery
- Controlled cord traction, delivery of placenta and uterine massage
- Examination of placenta (Incomplete placenta), Normal delivery

Specifications



- | | |
|---------------------------|--|
| 1) Placenta | - Delivered complete, partially retained or fully retained |
| 2) Umbilical cord | - Connects to baby simulator. Palpable pulse, Cord complications (2 arteries and 1 vein) |
| 3) Urinary bladder | - Allows catheterization |
| 4) Rectum | - Allows medication |
| 5) NeoNatalie | - MamaNatalie gives birth to NeoNatalie, a highly realistic new born simulator. It has realistic size and appearance, and also natural weight, feel and touch when filled with lukewarm water and gives newborn shape. |
| 6) Blood tank | - Takes up to 1.5 litres. Valve for regulating bleeding intensity.
Scale for measuring total blood loss. |
| 7) Uterus | - Contains baby, placenta and umbilical cord. Controllable uterine firmness, from atonic to fully contracted. |
| 8) Uterine Ribbon | - To strap around the cervix to form its length for bi-manual uterine compression |
| 9) Foetal Scalp | - To be put over the head of the NeoNatalie after filling it with water |
| 10) Plain Catheter | - For urinary catheterization |
| 11) Fetoscope | - To learn different positions of foetal heart sounds |
| 12) Penguin Sucker | - To fill the uterine kit with air and suck mucus from the newborn if indicated |

Consumables – Red blood concentrate to be mixed with water and diluted to create simulated blood. It is filled in the blood tank of MamaNatalie

Instructions to handle the mannequin

Preparation of MamaNatalie:

Assembling the mannequin-

- Fill the blood tank with red simulated blood diluted in water available in the bottle
- With the help of an Ambu bag, inflate the uterine kit attached to the skin of the mannequin
- After inflation, attach the uterine set with the clamp in the bone set of the mannequin
- Open and unzip the outer skin of the black pouch attached with the uterus
- Place the NeoNatalie inside the pouch and attach the placenta set with the inner side of the pouch
- Cover the blood tank of the mannequin with the skin set

The operator/trainer (who takes the role of the pregnant woman) then straps the mannequin around his/her waist and manually controls the delivery training scenario



Red simulated Blood



Filling of Red blood simulator in the blood tank



Inflating the uterine set and clamping it with the bone set preparation



Connecting placenta and tapping the body for FHR monitoring

Preparation of Neo Natalie

Assembling of the
mannequin Filling
NeoNatalie with
water –

- Place NeoNatalie across a firm surface to provide support
- Pull out the filling extension from under the face skin
- Open the valve and blow air into the valve using bag mask ventilation device until the body is partially inflated. This will help the foils to separate from the body and allow easy filling of water
- Unscrew the filling cap and use a circular mask as a funnel while filling the water
- Fill approximately 2 litres of water from a tap or suitable container
- Screw the filling cap & open the air valve. Inflates air until body feels firm
- Close the air valve, bend the filling extension forward and push it under the face skin until it clicks into the holder

OR

Fill with air for immediate readiness

- Open the air valve and inflate air until the body feels firm. Close the valve and bend the filling extension forward and push it under the face skin until it clicks into the holder.



Opening the valve and filling NeoNatalie with water

Fit the hard skull with fontanelles onto NeoNatalie's head: Fold the sides of the hard skull upwards. Place the skull with the triangular frontal fontanel on the forehead.

Report

We have conducted simulation training on Mama-Natale at Pann Dhai Maa Subharti Nursing College in OBG Skill Lab. This training was conducted in the month of December 15th 2017 to 27 December 2017. The students from IV-year Bsc Nursing are the beneficiary. On these training programs all (35) the registered students are participated and received a certificate. The course code of the program is VAC/SNC 05. Through this training the students developed following skills.



Panna DHai Maa Subharti Nursing College

2017-2018


Simulation Training on Mama Natale

List of Students Enrolled	List of Students Completed
Asha Rani	Asha Rani
Chetna	Chetna
Chhaya Sharma	Chhaya Sharma
Gaurav Sharma	Gaurav Sharma
Himanshu	Himanshu
Israel	Israel
Jaidave	Jaidave
Jibscy John	Jibscy John
Jyoti Mandal	Jyoti Mandal
Manika Pal	Manika Pal
Mansi	Mansi
Meenakshi Sharma	Meenakshi Sharma
Mohd. Naseem	Mohd. Naseem
Pooja Sharma	Pooja Sharma
Preeti	Preeti
Priyanka	Priyanka
Priyanka	Priyanka
Priyanka Yadav	Priyanka Yadav
Sakshi	Sakshi


Registrar
Swami Vivekanand
Subharti University
MEERUT

Sakshi Saini	Sakshi Saini
Sarvita	Sarvita
Seeba Yadav	Seeba Yadav
Shivakar	Shivakar
Shubham Tyagi	Shubham Tyagi
Shweta	Shweta
Soniya Pal	Soniya Pal
Tanvi Chaudhary	Tanvi Chaudhary
Vipin	Vipin
Vishal Tyagi	Vishal Tyagi
Deepika Karanwal	Deepika Karanwal
Deepshikha	Deepshikha
Guddan	Guddan
Neeraj Kumar	Neeraj Kumar
Praise J Isaac	Praise J Isaac
Prisca J Rose	Prisca J Rose


Registrar
Swami Vivekanand
Subharti University
MEERUT


Panna Dhai Maa
Subharti Nursing College,
MEERUT
Principal



**SWAMI VIVEKANAND SUBHARTI
UNIVERSITY, MEERUT**
**PANNA DHAI MAA SUBHARTI NURSING
COLLEGE**



Certificate of Participation

This is to certify that Ms. /Mr. / Mrs Jvoti of B.Sc Nursing has attended the value added course (SNC-VAC-05) Simulation Training on Mama Natale organized by Faculty of Nursing, Swami Vivekanand Subharti University during academic session 2017-18.

Paswanda

HEAD OF THE INSTITUTION

Faculty of Nursing
Swami Vivekanand Subharti University, Meerut

उत्तिष्ठत जाग्रत माणु वेदान् विभुषत



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UNIVERSITY, MEERUT**
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This is to certify that Ms. /Mr. / Mrs Shivakar of B.Sc Nursing has attended the value added course (SNC-VAC-05) Simulation Training on Mama Natale organized by Faculty of Nursing, Swami Vivekanand Subharti University during academic session 2017-18.

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