



NICU ADMISSION DISCHARGE
SUMMARY DOCUMENT
VERSION 1.0

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1. DISCHARGE SUMMARY

1.1. Consultants

1.1.1. The **Consultants details** should be generated from Settings -> Discharge Report Settings -> Discharge Report Left and Discharge Report Right

1.1.2. Discharge Report Left field contents should display at left in Report Summary

1.1.3. Discharge Report Right field contents should display at right in Report Summary

1.2. Neonatal Intensive Care Unit - Summary of Stay

1.2.1. **Neonatal Paediatrician name** should be generated from Registration -> Baby Registration -> Neonatal Consultant

1.2.2. **Paediatric Surgeon name** should be generated from Registration -> Baby Registration -> Paediatric Surgeon

1.2.3. Refer Fig: NICU

The screenshot shows the 'Neonatal' software interface. The left sidebar has a dark blue background with white icons and text. It includes buttons for 'REGISTRATION', 'Mother Registration', 'Baby Registration' (which has a red arrow pointing to it), 'NEONATE - BASIC ENTRY FOR...', 'NICU ADMISSION', 'NURSE DAILY ENTRY FORM', 'POSTNATAL ADMISSION', 'OP REGISTRATION', 'REPORTS', 'TESTS', 'CALCULATORS', and 'DELETE APPROVALS'. The main area has a light blue header with the title 'Dashboard > Baby Registration > Edit'. Below the header, there are several input fields: 'Mr No:' (redacted), 'Baby Name:' (redacted), 'Birth Status:' (Outborn), 'DOB:' (13-10-2014), 'Birth Weight (in grams) (in kilograms)' (2700 / 2.7), 'TOB:' (NVA NVA NVA), 'Baby's Blood Group:' (Not Known), 'Multiple Pregnancy:' (No), 'Sex:' (N/A), 'Gestation:' (Weeks: [redacted] Days: [redacted]), 'Neonatal Consultant:' (dropdown menu showing 'Dr Abirami Kuppurajan' with a red arrow pointing to it), and 'Paediatric Surgeon:' (dropdown menu showing 'N/A' with a red arrow pointing to it). At the bottom are three buttons: 'Save & Close', 'Update', and 'Cancel'.

Fig: NICU

1.3. Baby Details

1.3.1. **MR Number** should be generated from Registration -> Baby Registration -> MrNo

1.3.2. **Name** should be generated from Registration -> Baby Registration -> Name

1.3.3. **Birth Date & Time** should be generated from Registration -> Baby Registration -> DOB and TOB

1.3.4. **Sex** should be generated from Registration -> Baby Registration -> Sex

1.3.5. **Gestation** should be generated from Registration -> Baby Registration -> Gestation Weeks

1.3.6. For MR Number, Name, Birth Date & Time, Sex, Gestation

1.3.6.1. Refer Fig: Baby details 1

Dashboard > Baby Registration > Edit

Mr No: [REDACTED]

Baby Name: [REDACTED]

Birth Status: Outborn

DOB: 13-10-2014

Birth Weight (in grams) (in kilograms): 2700 2.7

TOB: NVA NVA NVA

Baby's Blood Group: Not Known

Neonatal Consultant: Dr Abirami Kuppurajan

Postnatal Admission

Nurse Daily Entry Form

OP Registration

Reports

Tests

Calculator

Delete Approvals

Sex: N/A

Gestation: Weeks: [REDACTED] Days: [REDACTED]

Save & Close **Update** **Cancel**

Fig: Baby details 1

- 1.3.7.** **Corrected Gestation** should be generated from NICU Admission -> NICU Discharge Details -> Corrected Gestation Weeks
- 1.3.8.** For Corrected Gestation refer **Fig: Baby details 2**

Dashboard > Discharge Details > Edit For [REDACTED]

Discharge Details Checklist

Status: Discharged

Date of Discharge: 04-11-2014

Discharge Weight in gm: 2738

DOL at Discharge: 9

Corrected Gestation: Weeks: 0 Days: 0

Newborn Screen: N/A Sent Not Sent Normal Abnormal

Hearing Screening: [Circular progress bar with one green segment]

NICU Discharge Details

Discharge Summary

Fig: Baby details 2

1.3.9. Day of Life

- 1.3.9.1.** If baby is alive, then (DOB - Date of Discharge) condition should be applied to generate the value in report
- 1.3.9.2.** DOB should be generated from Registration -> Baby Registration -> DOB
- 1.3.9.3.** Date of Discharge should be generated from NICU Admission -> NICU Discharge Details -> Date of Discharge
- 1.3.9.4.** Refer **Fig: Date of Discharge**

Neonatal Dashboard Checklist

Status: Discharged

Date of Discharge: 04-11-2014

Discharge Weight in gm: 2738

DOL at Discharge: 9

Corrected Gestation: Weeks: 0 Days: 0

Newborn Screen: N/A Sent Not Sent Normal Abnormal

Hearing Screening:

Fig: Date of Discharge

- 1.3.9.5. If baby is Dead, then (DOB - Date of Death) condition should be applied to generate the value in report
- 1.3.9.6. DOB should be generated from Registration -> Baby Registration -> DOB
- 1.3.9.7. Date of Discharge should be generated from NICU Admission -> NICU Discharge Details -> Status (Dead or Dead OCNR) -> Date of Death
- 1.3.9.8. Refer Fig: Date of Death

Neonatal Dashboard Checklist

Status: Died

Date of Death: 04-11-2014

Time Of Died: N/A N/A N/A

Discharge Weight in gm: 2738

Corrected Gestation: Weeks: 0 Days: 0

Newborn Screen: N/A Sent Not Sent Normal Abnormal

Hearing Screening:

Fig: Date of Death

1.3.10. Birth Status

- 1.3.10.1. Birth status should be generated from Registration -> Baby Registration -> Birth Status
- 1.3.10.2. If the Birth Status is “Inborn”, then **Intramural** should be displayed in the report
- 1.3.10.3. If the Birth Status is “Outborn”, then **Extramural** should be displayed in the report
- 1.3.10.4. Refer Fig: Birth Status

Dashboard > Baby Registration > Edit

Mr No: [REDACTED]

Baby Name: [REDACTED]

DOB: 13-10-2014

TOB: N/A N/A N/A

Multiple Pregnancy: No

Sex: N/A

Birth Status: Outborn

Birth Weight (in grams) (in kilograms): 2700 2.7

Baby's Blood Group: Not Known

Neonatal Consultant: N/A

+ Add More

Fig: Birth Status

- 1.3.11.** **Mode of Delivery** should be generated from Neonatal Proforma -> Admission Form -> Delivery -> Mode of delivery
- 1.3.12.** Refer **Fig: Mode of delivery**

Dashboard > Neonatal Proforma > Edit Form [REDACTED]

Baby Details Parental Details Obstetric History Pregnancy Pregnancy Contd Labour Delivery APGAR Resuscitation Details

Essential Details New Born Examination

Mode Of Delivery: Elective Caesarian

Indication: ART

+ Add More

Type of Anesthesia:

- Local
- Spinal**
- Epidural
- General
- None

Gastric Aspirate: Clear

Fig: Mode of Delivery

- 1.3.13.** **IP Number** should be generated from NICU Admission -> Admission Form -> Basics -> IP Number
- 1.3.14.** Refer **Fig: IP**
- 1.3.15.** **Baby's Blood Group** should be generated from Registration -> Baby Registration -> Blood Group
- 1.3.16.** For Baby's Blood Group refer **Fig: Birth Status**

The screenshot shows the 'Neonatal' software interface. The top navigation bar includes 'Dashboard', 'Masters', 'Settings', and a user account. The left sidebar has links for 'REGISTRATION', 'NEONATE - BASIC ENTRY FOR...', 'NICU ADMISSION', 'Admission Form' (which is highlighted with a red arrow), 'Doctors daily entry form', 'NICU Discharge Details', and 'Discharge Summary'. The main content area is titled 'Edit For [REDACTED]'. It shows the 'Basics' tab selected. Fields include 'Baby Name' (redacted), 'Admission Time' (1:00 PM), 'Mr No.' (redacted), 'Admission Date' (01-11-2014), 'DOB' (25-10-2014), 'Type Of Care' (Special Care), 'Birth Weight(In Gms)' (3139), and 'IP Number' (redacted). A red arrow points from the 'IP Number:' field towards the right.

Fig: IP

1.3.17. Date of Admission

- 1.3.17.1. Should be generated from NICU Admission -> Admission Form -> Basics -> Admission Date
- 1.3.17.2. Date should be displayed in Indian format dd/mm/yy
- 1.3.17.3. Refer Fig: Date of Admission

This screenshot is identical to the one above, showing the 'Neonatal' software interface with the 'Admission Form' link in the sidebar highlighted by a red arrow. The main content area shows the 'Basics' tab with fields for Baby Name, Admission Time, Mr No., Admission Date (01-11-2014), DOB (25-10-2014), Type Of Care (Special Care), Birth Weight (3139), and IP Number (redacted). A red arrow points from the 'Admission Date:' field towards the right.

Fig: Date of Admission

1.3.18. Date of Discharge/Date of Death

- 1.3.18.1. If alive, Date of Discharge should display
 - 1.3.18.2. If Dead, Date of Death should display
 - 1.3.18.3. If alive, Should be generated from NICU Admission -> NICU Discharge Details -> Date of Discharge
 - 1.3.18.4. If Dead, should be generated from NICU Admission -> NICU Discharge Details -> Status (Dead or Dead OCNR) -> Date of Death
 - 1.3.18.5. Date should be displayed in Indian format dd/mm/yy
 - 1.3.18.6. Refer Fig: Date of Discharge and Fig: Date of Death
- 1.3.19. Birth Weight (grams) should be generated from Registration -> Baby Registration -> Birth Weight (in grams)
 - 1.3.20. Refer Fig: Birth Weight

Neonatal

REGISTRATION

Mother Registration

Baby Registration

NEONATE - BASIC ENTRY FOR...

NICU ADMISSION

NURSE DAILY ENTRY FORM

POSTNATAL ADMISSION

Dashboard

Mr No:

Baby Name:

Birth Status:

DOB:

TOB:

Baby's Blood Group:

Multiple Pregnancy:

Neonatal Consultant:

Birth Weight (in grams) (in kilograms)

2500 2.5

Fig: Birth Weight

- 1.3.21. **Birth OFC (cm)** should be generated from Neonatal proforma -> Admission Form -> Basics -> Birth Head Circumference(cm)w
- 1.3.22. **Birth Length (cm)** should be generated from Neonatal proforma -> Admission Form -> Basics -> Birth Length(cm)
- 1.3.23. For Birth OFC(cm) and Birth Length(cm) refer Fig: Birth OFC & Length

Neonatal

REGISTRATION

NEONATE - BASIC ENTRY F...

Admission Form

NICU ADMISSION

NURSE DAILY ENTRY FORM

POSTNATAL ADMISSION

OP REGISTRATION

REPORTS

TESTS

CALCULATORS

DELETE APPROVALS

Dashboard

Baby Details Parental Details Obstetric History Pregnancy Pregnancy Contd Labour Delivery APGAR Resuscitation Details

Essential Details New Born Examination

Data Entry Date: 15-03-2018 Data Entry Time: 11 01 AM

Baby Name: [REDACTED]

DOB: 20-10-2014 Baby's Blood Group: A1 Positive

TOB: 01 01 AM Birth Order: N/A

Birth Status: Outborn Sex: Female

Birth Weight (in grams) (in kilograms) 2500 2.5 Birth Length(cm):

Gestation: Weeks: 37 Days: + 6 Birth Head Circumference(cm): Transfer Status: NICU

Fig: Birth OFC & Length

- 1.3.24. **Discharge Weight(grams)**, should be generated from NICU Admission -> NICU Discharge Details -> Discharge Weight in grams
- 1.3.25. **Discharge OFC(cm)**, should be generated from NICU Admission -> NICU Discharge Details -> OFC in cm

1.3.26. **Discharge Length(cm)**, should be generated from NICU Admission -> NICU Discharge Details -> Length in cm

1.3.27. For Discharge Weight, OFC, Length refer **Fig: Discharge Weight**

Fig: Discharge Weight

1.4. Diagnosis

1.4.1. The **Diagnosis report** will be generated based on the “ICD” in Daycare and “Additional Diagnosis” in NICU Admission

1.4.2. For conditions follow **1.4.2** and **1.4.3**

1.4.3. Following steps for ICD report

1.4.3.1. NICU Admission -> Doctors Daily Entry Form -> Respiratory System -> Respiratory ICD

1.4.3.2. Refer **Fig: Respiratory ICD**

Fig: Respiratory ICD

1.4.3.3. NICU Admission -> Doctors Daily Entry Form -> Cardiovascular System -> Cardiovascular ICD

1.4.3.4. Refer Fig: Cardiovascular ICD

The screenshot shows the 'Doctors daily entry form' page in the Neonatal software. The left sidebar has 'Doctors daily entry form' highlighted with a red arrow. The top navigation bar shows 'Dashboard > Daycare > Edit Form'. The main menu tabs include General Information, Respiratory System, **Cardiovascular System**, Gastrointestinal System, Central Nervous System, Renal, Fluid Balance & Bloods, Sepsis & Drugs, Invasive Lines, Skin, ROP & Plan, Notes, and Reassessment Sheet. The 'Cardiovascular System' tab is selected and highlighted with a red arrow. Below it, there's a section for 'Cardiovascular ICD:' with a text input field. A question 'Are there any positive examination findings?' with options N/A, No, and Yes follows. Further down are fields for 'HR:' (124), 'CFT:' (N/A), 'Directly breast feed?' (No), and 'Umbilicus:' (Healthy).

Fig: Cardiovascular ICD

1.4.3.5. NICU Admission -> Doctors Daily Entry Form -> Gastrointestinal System -> Gastrointestinal ICD

1.4.3.6. Refer Fig: Gastrointestinal ICD

The screenshot shows the 'Doctors daily entry form' page in the Neonatal software. The left sidebar has 'Doctors daily entry form' highlighted with a red arrow. The top navigation bar shows 'Dashboard > Daycare > Edit Form'. The main menu tabs include General Information, Respiratory System, Cardiovascular System, **Gastrointestinal System**, Central Nervous System, Renal, Fluid Balance & Bloods, Sepsis & Drugs, Invasive Lines, Skin, ROP & Plan, Notes, and Reassessment Sheet. The 'Gastrointestinal System' tab is selected and highlighted with a red arrow. Below it, there's a section for 'Gastrointestinal ICD:' with a text input field. A question 'Are there any positive examination findings?' with options N/A, No, and Yes follows. Further down are fields for 'Directly breast feed?' (No) and 'Umbilicus:' (Healthy).

Fig: Gastrointestinal ICD

1.4.3.7. NICU Admission -> Doctors Daily Entry Form -> Central Nervous System -> Central Nervous ICD

1.4.3.8. Refer Fig: Central Nervous ICD

General Information Respiratory System Cardiovascular System Gastrointestinal System Central Nervous System
Renal, Fluid Balance & Bloods Sepsis & Drugs Invasive Lines Skin ROP & Plan Notes Reassessment Sheet

Central Nervous ICD:

Are there any positive examination findings?

Is the baby under the influence of sedation/Paralysis?

Therapeutic Hypothermia: Neonatal Reflexes:

Fig: Central Nervous ICD

1.4.3.9. NICU Admission -> Doctors Daily Entry Form -> Renel, Fluids Balance & Bloods -> Fluid Balance ICD

1.4.3.10. Refer Fig: Fluid Balance ICD

General Information Respiratory System Cardiovascular System Gastrointestinal System Central Nervous System
Renal, Fluid Balance & Bloods **Sepsis & Drugs** Invasive Lines Skin ROP & Plan Notes Reassessment Sheet

Fluid Balance ICD:

Total Fluid ml/kg/d: RBS:

Previous Weight (grams): Glucose & Electrolyte Abnormalities:
 Hypoglycemia:

Fig: Fluid Balance ICD

1.4.3.11. NICU Admission -> Doctors Daily Entry Form -> Sepsis & Drugs -> Sepsis ICD

1.4.3.12. Refer Fig: Sepsis ICD

General Information Respiratory System Cardiovascular System Gastrointestinal System Central Nervous System
Renal, Fluid Balance & Bloods **Sepsis & Drugs** Invasive Lines Skin ROP & Plan Notes Reassessment Sheet

Sepsis ICD:

SEPSIS: Other Drugs:

Antibiotic: Day:

Fig: Sepsis ICD

1.4.3.13. NICU Admission -> Doctors Daily Entry Form -> Skin -> Skin ICD

1.4.3.14. Refer Fig: Skin ICD

The screenshot shows the Neonatal software interface. The left sidebar has sections for REGISTRATION, NEONATE - BASIC ENTRY FOR..., NICU ADMISSION, Admission Form, Doctors daily entry form, NICU Discharge Details, and Discharge Summary. The main area shows a navigation path: Dashboard > Daycare > Edit Form [REDACTED]. Below this are tabs for General Information, Respiratory System, Cardiovascular System, Gastrointestinal System, Central Nervous System, Renal, Fluid Balance & Bloods, Sepsis & Drugs, Invasive Lines, Skin (which is highlighted), ROP & Plan, Notes, and Reassessment Sheet. The Skin section contains fields for Skin ICD (with a red arrow pointing to it) and Skin status (Normal).

Fig: Skin ICD

1.4.3.15. NICU Admission -> Doctors Daily Entry Form -> ROP & Plan -> ROP ICD

1.4.3.16. Refer Fig: ROP ICD

The screenshot shows the Neonatal software interface. The left sidebar has sections for REGISTRATION, NEONATE - BASIC ENTRY FOR..., NICU ADMISSION, Admission Form, Doctors daily entry form, NICU Discharge Details, and Discharge Summary. The main area shows a navigation path: Dashboard > Daycare > Edit Form [REDACTED]. Below this are tabs for General Information, Respiratory System, Cardiovascular System, Gastrointestinal System, Central Nervous System, Renal, Fluid Balance & Bloods, Sepsis & Drugs, Invasive Lines, Skin, ROP & Plan (which is highlighted), Notes, and Reassessment Sheet. The ROP & Plan section contains fields for Rop ICD (with a red arrow pointing to it), ROP (after 2 weeks), and PLAN.

Fig: ROP ICD

1.4.4. Following steps for Additional Diagnosis

1.4.4.1. NICU Admission -> Admission Form -> Diagnosis -> Differential Diagnosis

1.4.4.2. NICU Admission -> Admission Form -> Diagnosis -> Additional Diagnosis

1.4.4.3. Refer Fig: Additional Diagnosis

The screenshot shows the 'Neonatal' software interface. The left sidebar has a dark background with white icons and text for various modules: 'REGISTRATION', 'NEONATE - BASIC ENTRY FOR...', 'NICU ADMISSION' (which is selected and highlighted with a red arrow), 'Admission Form', 'Doctors daily entry form' (also highlighted with a red arrow), 'NICU Discharge Details', and 'Discharge Summary'. The main panel has a light blue header with the title 'Dashboard > NICU Admission > Edit For [REDACTED]'. Below the header is a navigation bar with tabs: 'Basics', 'Medical History', 'Pregnancy', 'Baby Details', 'Admission Details', 'Procedures', 'CRIB II', 'SNAPPE II', and 'Diagnosis' (which is selected and highlighted with a red arrow). The main content area contains two sections: 'Differential Diagnosis:' and 'Additional Diagnosis:'. Under 'Differential Diagnosis:', there is one empty text field. Under 'Additional Diagnosis:', there are two entries: 'Exaggerated physiological jaundice' and another entry that is partially visible. A 'Add More' button is located at the bottom of the diagnosis section.

Fig: Additional Diagnosis

1.5. Procedures

- 1.5.1. The following procedures should be followed to display data in the report
- 1.5.2. The data should be displayed under “baby underwent the following procedures”
- 1.5.3. Initial X ray
 - 1.5.3.1. Initial X ray should be generated from NICU Admission -> Admission Form -> Procedures -> Initial X rays
 - 1.5.3.2. Initial X ray name will display only if, “Performed” is selected in drop down menu and Chest X ray, Abdominal X ray findings text field must have any values
 - 1.5.3.3. Fields should not be left empty
 - 1.5.3.4. Refer Fig: Initial X ray

The screenshot shows the 'Neonatal' software interface. The left sidebar has a dark background with white icons and text for various modules: 'REGISTRATION', 'NEONATE - BASIC ENTRY FOR...', 'NICU ADMISSION' (which is selected and highlighted with a red arrow), 'Admission Form', 'Doctors daily entry form' (also highlighted with a red arrow), 'NICU Discharge Details', and 'Discharge Summary'. The main panel has a light blue header with the title 'Dashboard > NICU Admission > Edit For [REDACTED]'. Below the header is a navigation bar with tabs: 'Basics', 'Medical History', 'Pregnancy', 'Baby Details', 'Admission Details', 'Procedures' (which is selected and highlighted with a red arrow), 'CRIB II', 'SNAPPE II', and 'Diagnosis'. The main content area contains several input fields: 'Initial X ray:' dropdown set to 'Performed' (highlighted with a red arrow), 'Chest X ray findings:' dropdown set to 'Normal' (highlighted with a red arrow), 'Abdominal X Ray findings:' dropdown set to 'Normal' (highlighted with a red arrow), 'UAC:' dropdown set to 'No' (highlighted with a red arrow), 'SepsisScreen:' dropdown set to 'No' (highlighted with a red arrow), 'Indications:' text area, and 'IV Antibiotic:' dropdown set to 'N/A' (highlighted with a red arrow). A 'Add More' button is located at the bottom of the procedures section.

Fig: Initial X ray

1.5.4. Chest X ray

- 1.5.4.1. Chest X rays should be generated from NICU Admission -> Admission Form -> Procedures -> Chest X rays findings

- 1.5.4.2.** Chest X ray name will display only if, “Performed” is selected in Initial X ray drop down menu and Chest X ray findings text field must have any values(Not Empty) and Abdominal X ray findings text field must be left empty
- 1.5.4.3.** Refer Fig: Chest X ray

Fig: Chest X ray

1.5.5. Abdominal X ray

- 1.5.5.1.** Abdominal X ray should be generated from NICU Admission -> Admission Form -> Procedures -> Abdominal X rays findings
- 1.5.5.2.** Abdominal X ray name will display only if, “Performed” is selected in “Initial X ray” drop down menu and “Abdominal X ray findings” text field must have any values(Not Empty) and “Chest X ray findings” text field must be left empty
- 1.5.5.3.** Refer Fig: Abdominal X ray

Fig: Abdominal X ray

1.5.6. UAC

- 1.5.6.1.** UAC should be generated from NICU Admission -> Admission Form -> Procedures -> UAC

- 1.5.6.2.** Toggle button should be selected Yes, only if UAC name will display in the summary report

- 1.5.6.3.** Refer Fig: UAC

The screenshot shows the 'Neonatal' software interface. On the left sidebar, under 'NICU ADMISSION', the 'Admission Form' is selected. In the main content area, the 'Procedures' tab is active. The 'UAC' field is set to 'Yes'. The 'SepsisScreen' dropdown is set to 'No'. Other fields like 'Initial X ray', 'Chest X ray findings', 'Abdominal X Ray findings', 'Indications', 'IV Antibiotic', 'Investigations', and 'UACPosition' are also visible.

Fig: UAC

1.5.7. UVC

- 1.5.7.1.** UVC should be generated from NICU Admission -> Admission Form -> Procedures -> UVC

- 1.5.7.2.** Toggle button should be selected Yes, only if UVC name will display in the summary report

- 1.5.7.3.** Refer Fig: UVC

The screenshot shows the 'Neonatal' software interface. On the left sidebar, under 'NICU ADMISSION', the 'Admission Form' is selected. In the main content area, the 'Procedures' tab is active. The 'UVC' field is set to 'Yes'. The 'SepsisScreen' dropdown is set to 'No'. Other fields like 'Initial X ray', 'Chest X ray findings', 'Abdominal X Ray findings', 'Indications', 'IV Antibiotic', 'Investigations', and 'Fluids ml/kg/d' are also visible.

Fig: UVC

1.5.8. ECHO

- 1.5.8.1. Echo should be generated from NICU Admission -> Doctors Daily Entry Form -> Cardiovascular System -> ECHO
- 1.5.8.2. Horizontal selector should highlight Yes, only if ECHO name will display in summary report
- 1.5.8.3. Refer Fig: **Cardio** and Fig: **ECHO**

The screenshot shows the 'Neonatal' software interface. The left sidebar has links for 'REGISTRATION', 'NEONATE - BASIC ENTRY FOR...', 'NICU ADMISSION', 'Admission Form', 'Doctors daily entry form' (which is highlighted with a red arrow), and 'NICU Discharge Details'. The main content area shows a navigation bar with 'Dashboard', 'Daycare', and 'Edit For [REDACTED]'. Below this are tabs for 'General Information', 'Respiratory System', 'Cardiovascular System' (which is highlighted with a red arrow), 'Gastrointestinal System', and 'Central Nervous System'. Further down are tabs for 'Renal, Fluid Balance & Bloods', 'Sepsis & Drugs', 'Invasive Lines', 'Skin', 'ROP & Plan', 'Notes', and 'Reassessment Sheet'. A section titled 'Cardiovascular ICD:' contains a text input field. Below it is a question 'Are there any positive examination findings?' with options 'N/A', 'No', and 'Yes' (which is highlighted with a red arrow). There are also fields for 'HR:' (144) and 'CFT:'.

Fig: Cardio

The screenshot shows the 'Neonatal' software interface. The left sidebar has links for 'REGISTRATION', 'NEONATE - BASIC ENTRY FOR...', 'NICU ADMISSION', 'Admission Form', 'Doctors daily entry form' (which is highlighted with a red arrow), and 'NICU Discharge Details'. The main content area shows a section for 'Femoral Pulses' with a dropdown set to 'N/A'. Below it is 'Precordial Activity' with a dropdown set to 'N/A'. To the right is a horizontal slider for 'ECHO' with three options: 'N/A' (highlighted with a red arrow), 'No', and 'Yes' (which is highlighted with a red arrow). Below the slider is a section for 'ECHO Report' with a text input field containing 'ND'. At the bottom left is a section for 'S1S2' with a dropdown set to 'N/A'.

Fig: ECHO

1.5.9. Neuro Sonogram

- 1.5.9.1. Neuro Sonogram should be generated from NICU Admission -> Doctors Daily Entry Form -> Central Nervous System -> Neuro Sonogram
- 1.5.9.2. Toggle button should be selected Performed, only if Neuro Sonogram name will display in the summary report
- 1.5.9.3. Refer Fig: **Neuro Sonogram**

The screenshot shows the 'Central Nervous System' tab selected in the top navigation bar. On the left sidebar, 'NICU Discharge Details' is highlighted with a red arrow. In the main content area, there are several sections: 'Central Nervous ICD:' (empty), 'Are there any positive examination findings?' (N/A, No, Yes), 'Is the baby under the influence of sedation/Paralysis?' (N/A, No, Yes), 'Therapeutic Hypothermia:' (N/A, No, Yes), 'Neonatal Reflexes:' (Normal dropdown), 'Other CNS Findings:' (NIL), 'Pupils:' (empty input), 'Anterior Fontanelle:' (N/A, Normal, Depressed, Bulging), 'Neuro Sonogram:' (performed), and 'Neuro Sonogram report:' (empty input). A red arrow points to the 'performed' status in the Neuro Sonogram section.

Fig: Neuro Sonogram**1.5.10. PICC**

- 1.5.10.1.** PICC should be generated from NICU Admission -> Doctors Daily Entry Form -> Invasive Lines -> PICC
- 1.5.10.2.** Horizontal selector should highlight Yes, only if PICC name will display in summary report
- 1.5.10.3.** Refer Fig: PICC

The screenshot shows the 'Invasive Lines' tab selected in the top navigation bar. On the left sidebar, 'NICU Discharge Details' is highlighted with a red arrow. In the main content area, there are sections for 'Peripheral Cannula:' (N/A, No, Yes), 'UAC:' (N/A, No, Yes), 'PVC Number:' (input field), 'PVC Complication:' (input field with 'no'), 'PAC:' (N/A, No, Yes), and 'PICC:' (N/A, No, Yes). Red arrows point to the 'Yes' selection in the Peripheral Cannula and PICC horizontal selectors, and to the 'No' selection in the UAC and PAC horizontal selectors.

Fig: PICC

1.5.11. Lumbar puncture

- 1.5.11.1. Lumbar puncture should be generated from NICU Admission -> Doctors Daily Entry Form -> Sepsis & Drugs -> Viral Meningitis/Encephalitis
- 1.5.11.2. Viral Meningitis/Encephalitis Toggle button should be selected Yes, only if Lumbar puncture name will display in the summary report
- 1.5.11.3. Refer Fig: Lumbar puncture

The screenshot shows the Neonatal software interface. The left sidebar has a dark background with white text and icons. It includes links for Registration, Neonate - Basic Entry Form, NICU Admission, Admission Form, Doctors daily entry form (which is highlighted with a red arrow), NICU Discharge Details, Discharge Summary, Nurse Daily Entry Form, Postnatal Admission, OP Registration, Reports, Tests, Calculators, and Delete Approvals. The main content area has a light blue header with tabs: Renal, Fluid Balance & Bloods, Sepsis & Drugs (which is highlighted with a red arrow), Invasive Lines, Skin, ROP & Plan, Notes, and Reassessment Sheet. Below the header, there are sections for Sepsis ICD, Sepsis (with a dropdown menu showing 'No sepsis'), Other Drugs (with four empty input fields and delete icons), Organism (with a dropdown menu showing 'N/A'), and Lumbar puncture (with three options: Performed, Not Performed, and Not Indicated). Under Lumbar puncture, there is a horizontal selector with three circles: a grey circle on the left, a blue circle in the middle labeled 'Not Performed', and a grey circle on the right. Below the selector, there is a button labeled 'Viral Meningitis/Encephalitis: Yes' with a red arrow pointing to it.

Fig: Lumbar puncture

1.5.12. Peripheral Cannula

- 1.5.12.1. Peripheral Cannula should be generated from NICU Admission -> Doctors Daily Entry Form -> Invasive Lines -> Peripheral Cannula
- 1.5.12.2. Horizontal selector should highlight Yes, only if Peripheral Cannula name will display in summary report
- 1.5.12.3. Refer Fig: Peripheral Cannula

Neonatal Dashboard Masters Settings manikandan

REGISTRATION NEONATE - BASIC ENTRY FORM... NICU ADMISSION Admission Form Doctors daily entry form NICU Discharge Details Discharge Summary

General Information Respiratory System Cardiovascular System Gastrointestinal System Central Nervous System
Renal, Fluid Balance & Bloods Sepsis & Drugs Invasive Lines Skin ROP & Plan Notes Reassessment Sheet

Peripheral Cannula:

N/A	No	Yes
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

PVC Number:

Pvc Complication: no

UAC:

N/A	No	Yes
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

PAC:

N/A	No	Yes
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Fig: Peripheral Cannula**1.5.13. PAC**

- 1.5.13.1. PAC should be generated from NICU Admission -> Doctors Daily Entry Form -> Invasive Lines -> PAC
- 1.5.13.2. Horizontal selector should highlight Yes, only if PAC name will display in summary report
- 1.5.13.3. Refer Fig: PAC

Neonatal Dashboard Masters Settings manikandan

REGISTRATION NEONATE - BASIC ENTRY FORM... NICU ADMISSION Admission Form Doctors daily entry form NICU Discharge Details Discharge Summary NURSE DAILY ENTRY FORM

General Information Respiratory System Cardiovascular System Gastrointestinal System Central Nervous System
Renal, Fluid Balance & Bloods Sepsis & Drugs Invasive Lines Skin ROP & Plan Notes Reassessment Sheet

Peripheral Cannula:

N/A	No	Yes
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

PVC Number:

Pvc Complication: no

PAC:

N/A	No	Yes
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

PAC Site: N/A

Fig: PAC**1.5.14. Needle Thoracocentesis**

- 1.5.14.1. Needle Thoracocentesis should be generated from NICU Admission -> Doctors Daily Entry Form -> Respiratory System -> Needle Thoracocentesis
- 1.5.14.2. Toggle button should be selected Yes, only if Needle Thoracocentesis name will display in the summary report
- 1.5.14.3. Refer Fig: Needle Thoracocentesis

The screenshot shows the Neonatal software interface. The left sidebar contains links for Registration, Neonate - Basic Entry Form, NICU Admission, Admission Form, Doctors daily entry form (highlighted with a red arrow), NICU Discharge Details, Discharge Summary, Nurse Daily Entry Form, Postnatal Admission, OP Registration, Reports, Tests, Calculators, and Delete Approvals. The main content area is titled 'Respiratory ICD:' and includes tabs for General Information, Respiratory System, Cardiovascular System, Gastrointestinal System, and Central Nervous System. Below these are sections for Renal, Fluid Balance & Bloods, Sepsis & Drugs, Invasive Lines, Skin, ROP & Plan, Notes, and Reassessment Sheet. A red arrow points to the 'Renal, Fluid Balance & Bloods' tab. The 'Respiratory System' section contains fields for Invasive Ventilation (with a slider from N/A to Yes, where 'Yes' is highlighted in red), Type Of Blood Gas (Notdone), Lactate (empty field), ET Tube (empty field), SaO2 PostDuctal (98), Other RS Findings (NIL), and Frequency (Hz) (empty field). At the bottom right of the respiratory section, there is a toggle button labeled 'Needle Thoracocentesis' with options 'Yes' (highlighted with a red arrow) and 'No'.

Fig: Needle Thoracocentesis

1.5.15. Intercostal Drain

- 1.5.15.1. Intercostal Drain should be generated from NICU Admission -> Doctors Daily Entry Form -> Respiratory System -> Intercostal Drain
- 1.5.15.2. Toggle button should be selected Yes, only if Intercostal Drain name will display in the summary report
- 1.5.15.3. Refer Fig: Intercostal Drain

General Information Respiratory System Cardiovascular System Gastrointestinal System Central Nervous System

Renal, Fluid Balance & Bloods Sepsis & Drugs Invasive Lines Skin ROP & Plan Notes Reassessment Sheet

Respiratory ICD:

Are there any positive examination findings?

Invasive Ventilation:

<input type="button" value="N/A"/>	<input style="background-color: #0070C0; color: white; border-radius: 50%;" type="button" value="Yes"/>	<input type="button" value="No"/>
------------------------------------	---	-----------------------------------

Type Of Blood Gas:

PIP:

PEEP:

MAP:

FiO₂:

Ventilator Rate:

Frequency (Hz):

IT in sec:

Flow (L/min):

Lactate:

ET Tube:

<input type="button" value="N/A"/>	<input style="background-color: #0070C0; color: white; border-radius: 50%;" type="button" value="Yes"/>	<input type="button" value="No"/>
------------------------------------	---	-----------------------------------

SaO₂ PostDuctal:

Other RS Findings:

Needle Thoracocentesis:

Intercostal Drain:

Chronic Lung Disease:

Fig: Intercostal Drain**1.5.16. Ultrasound Abdominal**

- 1.5.16.1.** Ultrasound Abdominal should be generated from NICU Admission -> Doctors Daily Entry Form -> Gastrointestinal System -> Ultrasound Abdominal
- 1.5.16.2.** Toggle button should be selected Yes, only if Ultrasound Abdominal name will display in the summary report
- 1.5.16.3.** Refer Fig: Gastro and Fig: Ultrasound Abdominal

General Information Respiratory System Cardiovascular System **Gastrointestinal System** Central Nervous System

Renal, Fluid Balance & Bloods Sepsis & Drugs Invasive Lines ROP & Plan Notes Reassessment Sheet

Gastrointestinal ICD:

Are there any positive examination findings?

Directly breast feed?

Other Type Of Feeds?

Umbilicus:

Hepatomegaly:

Fig: Gastro

TPN: N/A No Yes

Mother Blood Group: B Positive

AXR Findings: ND

Ultrasound Abdominal: Yes

Key Findings:

Aspirate Volume: 0

Aspirate Nature: N/A

Stools: Bowels opened

Stool Nature: N/A

Fig: Ultrasound Abdominal**1.5.17. Renal Ultrasound**

- 1.5.17.1.** Renal Ultrasound should be generated from NICU Admission -> Doctors Daily Entry Form -> Renal, Fluid Balance & Bloods -> Renal Ultrasound
- 1.5.17.2.** Toggle button should be selected Yes, only if Renal Ultrasound name will display in the summary report
- 1.5.17.3.** Refer Fig: Renal and Fig: Renal Ultrasound

General Information Respiratory System Cardiovascular System Gastrointestinal System Central Nervous System

Renal, Fluid Balance & Bloods Sepsis & Drugs Invasive Lines Skin ROP & Plan Notes Reassessment Sheet

Fluid Balance ICD:

Total Fluid ml/kg/d: 60

RBS: 102

Glucose & Electrolyte Abnormalities:

Hypoglycemia: No

Previous Weight (grams): 1697

Current Weight (grams):

Fig: Renal

The screenshot shows the 'Doctors daily entry form' section of the software. On the left, a sidebar lists various modules: REGISTRATION, NEONATE - BASIC ENTRY FORM..., NICU ADMISSION, Admission Form, Doctors daily entry form (highlighted by a red arrow), NICU Discharge Details, Discharge Summary, NURSE DAILY ENTRY FORM, POSTNATAL ADMISSION, OP REGISTRATION, and REPORTS. The main area displays fields for Urine Output (-8.8), Blood Out, Drain Output, Renal Ultrasound (with a 'Yes' button highlighted by a red arrow), Key Findings, and various medical status indicators like Hypertension, Hypokalemia, Hyperkalemia, Hypocalcemia, Hypercalcemia, and Dilution Exchange.

Fig: Renal Ultrasound

1.6. Mother Details

1.6.1. Mother's Name, Age, should be generated from Registration -> Mother Registration -> Mother Details

1.6.2. Refer **Fig: Mother Details**

The screenshot shows the 'Mother Registration' section of the software. The left sidebar includes 'REGISTRATION', 'Mother Registration' (highlighted by a red arrow), 'Baby Registration', 'NEONATE - BASIC ENTRY FORM...', 'NICU ADMISSION', 'NURSE DAILY ENTRY FORM', 'POSTNATAL ADMISSION' (highlighted by a red arrow), 'OP REGISTRATION', 'REPORTS', 'TESTS', 'CALCULATORS', and 'DELETE APPROVALS'. The main form shows a 'Mother Details' section with fields for Mr No, Title (N/A), Initial, First Name, Last Name, DOB, Completed Years (highlighted by a red arrow), Mother's Education Level (N/A), and Partner Details sections.

Fig: Mother Details

- 1.6.3.** Mother's Blood group, Conception, EDD by Usage, EDD by Dates should be generated from Neonatal Proforma -> Admission Form -> Pregnancy

1.6.4. Refer Fig: Pregnancy details

The screenshot shows the 'Neonatal' software interface. The left sidebar has a dark theme with various entry forms listed. The main header has tabs for 'Dashboard', 'Masters', 'Settings', and a user 'manikandan'. Below the header, there are several tabs: Baby Details, Parental Details, Obstetric History, **Pregnancy**, Pregnancy Contd, Labour, Delivery, APGAR, and Resuscitation Details. Under the 'Pregnancy' tab, there are sections for 'Conception' (dropdown with 'N/A'), 'LMP' (text input), 'EDD by USG' (text input), 'EDD by Dates' (text input), 'Mother's Blood Group' (dropdown with 'A Negative'), 'Booked:' (button 'No'), 'Supervised:' (button 'No'), 'Adjusted Risk for Trisomies available:' (button 'No'), and 'Other Investigations' (text area).

Fig: Pregnancy details

- 1.6.5.** Gravida, Para, Live Birth, Abortion should be generated from Neonatal Proforma -> Admission form -> Obstetric history

1.6.6. Refer Fig: Obstetric history

The screenshot shows the 'Neonatal' software interface. The left sidebar has a dark theme with various entry forms listed. The main header has tabs for 'Dashboard', 'Neonatal Proforma', 'Edit Form', 'Masters', 'Settings', and a user 'manikandan'. Below the header, there are tabs: Baby Details, Parental Details, **Obstetric History**, Pregnancy, Pregnancy Contd, Labour, Delivery, APGAR, and Resuscitation Details. Under the 'Obstetric History' tab, there are sections for 'Consanguinity' (button 'No'), 'Medical Problems' (dropdown with 'N/A'), 'Medications/Dose/Frequency' (text area with a clear button), and four status fields: 'Gravida' (text input with '1'), 'Para' (text input), 'Livebirth' (text input), and 'Abortion' (text input).

Fig: Obstetric history

1.7. Mother's Medical Problem

- 1.7.1.** Medical problem should be generated from Neonatal Proforma -> Admission form -> Obstetric history

1.7.2. Refer Fig: Medical Problems

Dashboard > Neonatal Proforma > Edit For [REDACTED]

Baby Details Parental Details Obstetric History Pregnancy Pregnancy Contd Labour Delivery APGAR Resuscitation Details

Essential Details New Born Examination

Consanguinity: No

Medical Problems

Medications/Dose/Frequency

+ Add More

Fig: Medical Problems

1.8. Pregnancy Complication

- 1.8.1. Pregnancy Complication should be yes in “Pregnancy Contd”, then only Complication and Treatment name would be displayed in the report
- 1.8.2. Pregnancy Complication should be generated from Neonatal Proforma -> Admission Form -> Pregnancy Contd -> Pregnancy Complication
- 1.8.3. Refer Fig: Pregnancy Complication

Dashboard > Neonatal Proforma > Edit For [REDACTED]

Baby Details Parental Details Obstetric History Pregnancy Pregnancy Contd Labour Delivery APGAR Resuscitation Details

Essential Details New Born Examination

Pregnancy Contd

Multiple Pregnancy: No

Pregnancy Complications: Yes

Complication: N/A

Treatment

Duration

Fig: Pregnancy Complication

1.9. Scan Findings(Antenatal Ultrasound Findings)

- 1.9.1. Dating Scan, Anomaly Scan, Any further scan?, Doppler Scan should be generated from NICU Admission -> Admission Form -> Pregnancy
- 1.9.2. Refer Fig: Scan Findings

The screenshot shows the 'Neonatal' software interface. The top navigation bar includes 'Dashboard', 'Masters', 'Settings', and a user account for 'manikandan'. The left sidebar has a dark background with white icons and text for various modules: 'REGISTRATION', 'NEONATE - BASIC ENTRY F...', 'NICU ADMISSION', 'Admission Form' (highlighted with a red arrow), 'Doctors daily entry form', 'NICU Discharge Details', 'Discharge Summary', 'NURSE DAILY ENTRY FORM', 'POSTNATAL ADMISSION', 'OP REGISTRATION', 'REPORTS', 'TESTS', 'CALCULATORS', and 'DELETE APPROVALS'. The main content area is titled 'Edit For [REDACTED]'. It has tabs for 'Basics', 'Medical History', 'Pregnancy' (highlighted with a red arrow), 'Baby Details', 'Admission Details', 'Procedures', 'CRIB II', 'SNAPPE II', and 'Diagnosis'. Under the 'Pregnancy' tab, there are sections for 'Complication' (with a dropdown menu showing 'N/A'), 'Treatment' (with a text input field and a delete button), and four scan sections: 'Antenatal Ultrasound Findings', 'Dating Scan' (with 'Gestation In Weeks' and 'Findings' fields), 'Anomaly Scan' (with 'Gestation In Weeks' and 'Findings' fields), 'Any further scan?' (with 'Gestation In Weeks' and 'Findings' fields), and 'Doppler Scan' (with 'Gestation In Weeks' and 'Findings' fields). Each scan section has a '+ Add More' button.

Fig: Scan Findings

1.10. Birth

- 1.10.1.** Following condition should displayed
- 1.10.2.** Baby was born at (gestation weeks) weeks of gestation by emerging (Mode of Delivery)
- 1.10.3.** **Gestation** should be generated from Registration -> Baby Registration -> Gestation Weeks
- 1.10.4.** Refer **Fig: Baby Details 1**
- 1.10.5.** **Mode of Delivery** should be generated from Neonatal Proforma -> Delivery -> Mode of Delivery
- 1.10.6.** Refer **Fig: Mode of Delivery**

Mode Of Delivery:

- Elective Caesarian
- N/A
- Normal Vaginal
- Preterm Vaginal
- Forceps
- Ventouse
- Assisted Breech
- Emergency Caesarian
- Elective Caesarian**
- Caesarian

Type of Anesthesia:

- Local
- Spinal
- Epidural
- General
- None

Apgars 1min: 9

Apgars 5min: 10

Apgars 10min: 10

Fig: Mode of Delivery

- 1.10.7.** **Indication** should be generated from Neonatal Proforma -> Admission Form -> Delivery -> Indication
- 1.10.8.** Refer Fig: Indication

Mode Of Delivery:

- Normal Vaginal

Indication:

- Fetal Bradycardia
- + Add More

Type of Anesthesia:

- Local
- Spinal
- Epidural
- General
- None

Gastric Aspirate: Not done

Fig: Mode of Delivery

1.10.9. Antenatal Steroids

- 1.10.9.1.** Antenatal Steroids should be generated from Neonatal Proforma -> Admission Form -> Labour -> Antenatal Steroids
- 1.10.9.2.** Refer Fig: Antenatal Steroids

The screenshot shows the 'Labour' tab selected in the top navigation bar. On the left sidebar, 'Admission Form' is highlighted with a red arrow. The main content area displays fields for 'Antenatal Steroids' (with a 'Yes' button highlighted by a red arrow) and 'Maternal Pyrexia' (with a 'Yes' button). Below these are dropdowns for 'Last Dose Delivery Interval' (N/A, < 24 hrs, 24 hrs - 7 days, > 7 days).

Fig: Antenatal Steroids

- 1.10.9.3.** If toggle button displays Yes, then “Mother received Antenatal Steroids” should display in the report
- 1.10.9.4.** If toggle button displays No, then “Mother didn’t receive Antenatal Steroids” should display in the report

1.10.10. Resuscitation

- 1.10.10.1.** Resuscitation should be generated from Neonatal Proforma -> Admission Form -> Resuscitation Details -> Resuscitation
- 1.10.10.2.** Refer **Fig: Resuscitation**

The screenshot shows the 'Resuscitation Details' tab selected in the top navigation bar. On the left sidebar, 'Admission Form' is highlighted with a red arrow. The main content area displays fields for 'Resuscitation' (with a 'Yes' button highlighted by a red arrow), 'PPV' (with a 'Yes' button), and two input fields for 'Time of 1st Gasp (min)' (40) and 'Duration of PPV (min)' (40).

Fig: Resuscitation

- 1.10.10.3.** If toggle button displays Yes, then “Baby required support at birth” should display in the report
- 1.10.10.4.** If toggle button displays No, then “Baby didn’t require any resuscitation at birth” should display in the report

1.11. Respiratory System

1.11.1. Intubation and Invasive Ventilation

- 1.11.1.1.** **Intubation** should be generated from Neonatal Proforma -> Admission Form -> Resuscitation Details -> Intubation
- 1.11.1.2.** Refer **Fig: Intubation**

Resuscitation: Yes

Time of 1st Gasp (min): 40

Regular Respiration (min): 40

Facial Oxygen: Yes

Duration of Oxygen (min): 40

Maximum FiO₂ required (%): 100

Intubation: Yes

ETT Size (mm): None 2.0 2.5 3.0 3.5 4.0

Resuscitation Details:

Fig: Intubation

1.11.1.3. **Invasive Ventilation** should be generated from NICU Admission -> Doctors Daily Entry Form -> Respiratory System -> Invasive Ventilation

1.11.1.4. Refer **Fig: Invasive Ventilation**

General Information **Respiratory System** **Cardiovascular System** **Gastrointestinal System** **Central Nervous System** **Renal, Fluid Balance & Bloods**

Sepsis & Drugs **Invasive Lines** **Skin** **ROP & Plan** **Notes** **Reassessment Sheet**

Respiratory ICD:

Are there any positive examination findings ? **N/A** **No** **Yes**

Invasive Ventilation: **N/A** **Yes** **No**

Type Of Blood Gas: Notdone

Lactate:

ET Tube:

Fig: Invasive Ventilation

1.11.1.5. If Intubation is “NO” and Invasive Ventilation is “NO” in all the Daycare sheet, then “He/She didn’t receive ventilator support during the Neonatal stay” should be displayed in the Report

- 1.11.1.6.** If Intubation is “YES” and Invasive Ventilation is “YES” in any one of the Daycare sheet, then “He/She require ventilator support” should be displayed in the report
- 1.11.1.7.** If Intubation is “NO” and Invasive Ventilation is “YES” in any one of the Daycare sheet, then “He/She didn’t require intubation at birth but required invasive ventilation during his/her neonatal stay” should be displayed in the report
- 1.11.1.8.** If Intubation is “Yes” and Invasive Ventilation is “NO” in all the Daycare sheet, then “Required invasive ventilation at birth”

1.11.2. Invasive Ventilation Type

- 1.11.2.1.** Invasive Ventilation Type should be generated from NICU Admission -> Doctors Daily Entry Form -> Respiratory System -> Invasive Ventilation(Yes) -> Invasive Ventilation Type

- 1.11.2.2.** Refer Fig: Invasive Ventilation Type

The screenshot shows the 'Neonatal' software interface. The left sidebar has sections like 'REGISTRATION', 'NEONATE - BASIC ENTRY F...', 'NICU ADMISSION' (selected), 'Admission Form', 'Doctors daily entry form' (highlighted with a red arrow), 'NICU Discharge Details', 'Discharge Summary', 'NURSE DAILY ENTRY FORM', 'POSTNATAL ADMISSION', 'OP REGISTRATION', 'REPORTS', 'TESTS', and 'CALCULATORS'. The main window has tabs for 'General Information', 'Respiratory System' (selected), 'Cardiovascular System', 'Gastrointestinal System', 'Central Nervous System', 'Renal, Fluid Balance & Bloods', 'Sepsis & Drugs', 'Invasive Lines' (highlighted with a red arrow), 'Skin', 'ROP & Plan', 'Notes', and 'Reassessment Sheet'. The 'Respiratory ICD:' section is empty. Below it, a question 'Are there any positive examination findings?' has options 'N/A' (blue), 'No' (grey), and 'Yes' (red). The 'Invasive Ventilation' section shows a slider with 'N/A' (blue), 'Yes' (red), and 'No' (green). The 'Type Of Blood Gas:' dropdown is set to 'Notdone'. The 'Lactate:' field is empty. The 'ET Tube:' section shows a slider with 'N/A' (blue), 'Yes' (red), and 'No' (green). The 'SaO2 PostDuctal:' field contains '98'. The 'Other RS Findings:' field contains 'NIL'. The 'Invasive Ventilation Type:' dropdown menu is open, showing options: N/A, CMV, IMV, SIMV, PSV, A/C or PTV, and HFO. The 'A/C or PTV' option is highlighted with a red arrow.

Fig: Invasive Ventilation Type

- 1.11.2.3.** Invasive ventilation type would be displaying in drop down menu, the lists are N/A, CMV, IMV, SIMV, PSV, A/C or PTV, HFO
- 1.11.2.4.** For example “CMV” is selected, then “He/She required CMV during ICU stay” should display in the report

1.11.3. Non Invasive Ventilation

- 1.11.3.1.** Non Invasive Ventilation should be generated from NICU Admission -> Doctors Daily Entry Form -> Respiratory System -> Invasive Ventilation(No) -> Ventilation choose(Non Invasive Ventilation)
- 1.11.3.2.** Refer Fig: Non Invasive Ventilation

The screenshot shows the 'Neonatal' software interface. The left sidebar lists various modules: REGISTRATION, NEONATE - BASIC ENTRY F..., NICU ADMISSION, Doctors daily entry form (highlighted with a red arrow), NICU Discharge Details, Discharge Summary, NURSE DAILY ENTRY FORM (highlighted with a red arrow), POSTNATAL ADMISSION, OP REGISTRATION, and REPORTS. The top navigation bar includes tabs for General Information, Respiratory System (selected), Cardiovascular System, Gastrointestinal System, Central Nervous System, Renal, Fluid Balance & Bloods, Sepsis & Drugs, Invasive Lines, Skin, ROP & Plan, Notes, and Reassessment Sheet. The main content area is titled 'Respiratory ICD:' and contains a question 'Are there any positive examination findings ?' with options N/A, No, and Yes. Below it is a section for 'Invasive Ventilation' with three circular buttons: N/A (blue), Yes (grey), and No (green). A red arrow points to the 'N/A' button. Another red arrow points to the 'NonInvasive Ventilation' dropdown menu under 'Ventilation Choose', which shows 'NonInvasive Ventilation' selected. A third red arrow points to the 'CPAP' button under 'Non-Invasive Ventilation' options, which are CPAP, NIMV/NIPPV, and HHHFNC. To the right, there are sections for 'Type Of Blood Gas:', 'Lactate:', 'ET Tube:', and 'SaO2 PostDuctal:' with their respective input fields.

Fig: Non Invasive Ventilation

- 1.11.3.3.** Non Invasive Ventilation would display 4 horizontal selector, Namely N/A, CPAP, NIMV/NIPPV, HHHFNC
- 1.11.3.4.** For example CPAP is highlighted, then “He/She requires CPAP during ICU stay” should display in the report

1.11.4. Other Respiratory Support

- 1.11.4.1.** Other Respiratory Support should be generated from NICU Admission -> Doctors Daily Entry Form -> Respiratory System -> Invasive Ventilation(No) -> Ventilation choose(Other Respiratory Support)
- 1.11.4.2.** Refer Fig: Other Respiratory Support

The screenshot shows the 'Respiratory System' tab selected in the top navigation bar. On the left sidebar, the 'Doctors daily entry form' link is highlighted with a red arrow. In the main content area, there's a section for 'Invasive Ventilation' with three buttons: 'N/A' (blue), 'Yes' (red), and 'No' (green). Below it, a dropdown menu 'Ventilation Choose' is set to 'OtherRespiratory Support'. Further down, another section 'Other Respiratory Support' has four buttons: 'N/A' (blue), 'NPO2' (grey), 'HBO2' (grey), and 'Face mask oxygen' (grey). To the right, there are fields for 'Type Of Blood Gas' (dropdown: 'Notdone'), 'Lactate' (text input: ' '), 'ET Tube' (button: 'N/A'), and 'SaO2 PostDuctal' (text input: '98').

Fig: Other Respiratory Support

- 1.11.4.3.** Other Respiratory Support would display 4 horizontal selector, Namely N/A, NPO2, HBO2, Face mask oxygen
- 1.11.4.4.** For example NPO2 is highlighted, then “He/She requires NPO2 during ICU stay” should display in the report
- 1.11.5. Spontaneously ventilating**
 - 1.11.5.1.** Spontaneously ventilating should be generated from NICU Admission -> Doctors Daily Entry Form -> Respiratory System -> Invasive Ventilation(No) -> Ventilation choose(Spontaneously ventilating)
 - 1.11.5.2.** Refer Fig: Spontaneously ventilating

The screenshot shows the Neonatal software interface. The top navigation bar includes 'Neonatal', 'Dashboard', 'Masters', 'Settings', and 'manikandan'. Below this, a secondary navigation bar has tabs for 'General Information', 'Respiratory System' (which is active), 'Cardiovascular System', 'Gastrointestinal System', 'Central Nervous System', 'Renal, Fluid Balance & Bloods', 'Sepsis & Drugs', 'Invasive Lines', 'Skin', 'ROP & Plan', 'Notes', and 'Reassessment Sheet'. On the left sidebar, there are links for 'REGISTRATION', '+ NEONATE - BASIC ENTRY F...', 'NICU ADMISSION', '+ Admission Form', 'Doctors daily entry form' (highlighted with a red arrow), 'NICU Discharge Details', '+ Discharge Summary', 'NURSE DAILY ENTRY FORM', 'POSTNATAL ADMISSION', 'OP REGISTRATION', and 'REPORTS'. The main content area displays 'Respiratory ICD:' fields, a question 'Are there any positive examination findings? N/A No Yes', and a 'Type Of Blood Gas:' dropdown set to 'Notdone'. It also shows 'Invasive Ventilation' and 'Ventilation Choose' sections, with the 'Spontaneously ventilating' option selected from a dropdown. Below this are 'ET Tube' and 'SaO2 PostDuctal' fields. A horizontal selector for 'Spontaneously Ventilating' has 'N/A' (blue), 'Yes' (red), and 'No' (green) options, with 'Yes' highlighted.

Fig: Spontaneously ventilating

- 1.11.5.3.** If Spontaneously ventilating horizontal selector highlights “Yes”, then “Baby didn’t require any respiratory support after admission to the Neonatal unit”

1.11.6. Invasive Ventilation(days calculation)

- 1.11.6.1.** Invasive ventilation horizontal selector should highlight “Yes”, then will calculate how many days yes is given in daycare sheet
- 1.11.6.2.** Then total number of days count will display in the report
- 1.11.6.3.** For Invasive Ventilation refer **Fig: Invasive Ventilation**

1.11.7. Non Invasive Ventilation

- 1.11.7.1.** Non invasive ventilation should be selected from the ventilation choose drop down menu
- 1.11.7.2.** It calculates how many days in daycare sheet the non invasive ventilation is selected, the total number of days count will display in the report
- 1.11.7.3.** For non invasive ventilation refer **Fig: Non Invasive Ventilation**

1.11.8. Other Respiratory System

- 1.11.8.1.** Other respiratory system should be selected from the ventilation choose drop down menu
- 1.11.8.2.** It calculates how many days in daycare sheet the other respiratory system is selected, the total number of days count will display in the report
- 1.11.8.3.** For Other respiratory system refer **Fig: Other Respiratory Support**

1.11.9. Spontaneously ventilating

- 1.11.9.1.** Spontaneously ventilating horizontal selector should highlight “Yes”, then will calculate how many days yes is given in daycare sheet
- 1.11.9.2.** Then total number of days count will display in the report
- 1.11.9.3.** For Spontaneously ventilating refer **Fig: Spontaneously ventilating**

1.11.10. Surfactant

- 1.11.10.1.** Surfactant should be generated from NICU Admission -> Admission Form -> Baby Details -> Invasive Ventilation Required (Yes) -> Surfactant Given In Labour Room / Theatre
- 1.11.10.2.** Refer Fig: Surfactant

The screenshot shows the 'Neonatal' software interface. On the left, there's a sidebar with various menu items: 'REGISTRATION', 'NEONATE - BASIC ENTRY F...', 'NICU ADMISSION', 'Admission Form' (highlighted with a red arrow), 'Doctors daily entry form', 'NICU Discharge Details', 'Discharge Summary', 'NURSE DAILY ENTRY FORM', and 'POSTNATAL ADMISSION'. The main area is titled 'Dashboard > NICU Admission > Edit Form'. It has tabs for 'Basics', 'Medical History', 'Pregnancy', 'Baby Details' (highlighted with a red arrow), 'Admission Details', 'Procedures', 'CRIB II', 'SNAPPE II', and 'Diagnosis'. Under 'Baby Details', there's a section for 'Description Of Resuscitation' containing 'facial oxygen for 10sec'. To the right, there are fields for 'Air Flow During Transfer L/min' and 'Oxygen Flow During Transfer L/min'. Below that is a section for 'Post Resuscitation Care' with 'Invasive Ventilation Required' set to 'Yes' (highlighted with a red arrow). Further down are fields for 'Surfactant Given In Labour Room / Theatre' (set to 'Yes') and 'Surfactant Type' (set to 'N/A').

Fig: Surfactant

- 1.11.10.3.** If surfactant is displaying “Yes”, then “He/She received surfactant therapy” should display in the report
- 1.11.10.4.** If surfactant is displaying “No”, then “He/She didn’t receive surfactant therapy”
- 1.11.11. FiO2**
- 1.11.11.1.** FiO2 should be generated from NICU Admission -> Doctors Daily Entry Form -> Respiratory System -> FiO2
- 1.11.11.2.** Refer Fig: FiO2

Neonatal

REGISTRATION

NEONATE - BASIC ENTRY F...

NICU ADMISSION

Admission Form

Doctors daily entry form

NICU Discharge Details

Discharge Summary

NURSE DAILY ENTRY FORM

POSTNATAL ADMISSION

OP REGISTRATION

REPORTS

TESTS

Dashboard

General Information Respiratory System Cardiovascular System Gastrointestinal System Central Nervous System Renal, Fluid Balance & Bloods

Sepsis & Drugs Invasive Lines Skin ROP & Plan Notes Reassessment Sheet

Respiratory ICD:

Are there any positive examination findings? N/A No Yes

Invasive Ventilation: N/A Yes No

Type Of Blood Gas: Notdone

Lactate:

ET Tube: N/A Yes No

SaO₂ PostDuctal: 98

Other RS Findings: NIL

PIP: 26

Fig: FiO₂

- 1.11.11.3.** Max value of FiO₂ should be display in the report, for that should check all the daycare sheet and return the max value of FiO₂
- 1.11.11.4.** “He/She maximum oxygen required after admission to the Neonatal unit was (FiO₂ max value)” should display in the report
- 1.11.12. PIP**
- 1.11.12.1.** PIP should be generated from NICU Admission -> Doctors Daily Entry Form -> Respiratory System -> PIP
- 1.11.12.2.** Refer Fig: PIP

Neonatal

REGISTRATION

NEONATE - BASIC ENTRY F...

NICU ADMISSION

Admission Form

Doctors daily entry form

NICU Discharge Details

Discharge Summary

NURSE DAILY ENTRY FORM

Dashboard

General Information Respiratory System Cardiovascular System Gastrointestinal System Central Nervous System Renal, Fluid Balance & Bloods

Sepsis & Drugs Invasive Lines Skin ROP & Plan Notes Reassessment Sheet

Respiratory ICD:

Are there any positive examination findings? N/A No Yes

Invasive Ventilation: N/A Yes No

Type Of Blood Gas: Notdone

Lactate:

ET Tube: N/A Yes No

SaO₂ PostDuctal:

Other RS Findings:

PIP: 26

Fig: PIP

- 1.11.12.3.** Max value of PIP should be display in the report, for that should check all the daycare sheet and return the max value of PIP
- 1.11.12.4.** “He/She required a maximum peek inspiratory pressure of (PIP max value) cm, H₂O” should display in the report
- 1.11.13. OI**
- 1.11.13.1.** OI should be generated from NICU Admission -> Doctors Daily Entry Form -> Respiratory System -> OI
- 1.11.13.2.** To display OI text field from hidden state following condition need to be followed
- 1.11.13.3.** Invasive ventilation should highlight “No” and Type Of Blood Gas should display any one of the drop down value Arterial, Venous, Capillary
- 1.11.13.4.** Then values should be entered in MAP, FiO₂, PaO₂ fields and the value should be more than 26
- 1.11.13.5.** Refer Fig: RS, Fig: OI

The screenshot shows the Neonatal software interface. The top navigation bar includes 'Neonatal', 'Dashboard', 'Masters', 'Settings', and a user dropdown. The left sidebar has sections for 'REGISTRATION', 'NEONATE - BASIC ENTRY F...', 'NICU ADMISSION', 'Admission Form', 'Doctors daily entry form' (highlighted with a red arrow), 'NICU Discharge Details', 'Discharge Summary', 'NURSE DAILY ENTRY FORM', 'POSTNATAL ADMISSION', and 'OP REGISTRATION'. The main content area is titled 'Respiratory System' (highlighted with a red arrow). It contains tabs for 'General Information', 'Respiratory System' (selected), 'Cardiovascular System', 'Gastrointestinal System', 'Central Nervous System', and 'Renal, Fluid Balance & Bloods'. Sub-tabs include 'Sepsis & Drugs', 'Invasive Lines' (highlighted with a red arrow), 'Skin', 'ROP & Plan', 'Notes', and 'Reassessment Sheet'. The 'Respiratory System' tab displays fields for 'Respiratory ICD', 'Are there any positive examination findings?' (with options 'N/A', 'No', and 'Yes'), 'Invasive Ventilation' (with 'Yes' and 'No' options, where 'No' is highlighted with a green circle and a red arrow), 'Type Of Blood Gas' (set to 'Arterial'), 'Last BG at' (time: 01:00 AM), 'pH' (7.45), and 'PaO2' (26).

Fig: RS

The screenshot shows a software interface for a NICU Discharge Summary. On the left, a sidebar lists various menu items: REGISTRATION, NEONATE - BASIC ENTRY F..., NICU ADMISSION, Admission Form, Doctors daily entry form (highlighted with a red arrow), NICU Discharge Details, Discharge Summary, NURSE DAILY ENTRY FORM, POSTNATAL ADMISSION, OP REGISTRATION, REPORTS, TESTS, CALCULATORS, and DELETE APPROVALS.

The main area displays respiratory parameters:

- PIP: N/A
- PEEP:
- MAP: 26
- FIO₂: 26
- Ventilator Rate:
- Frequency (Hz):
- IT in sec:
- Flow (L/min):
- Respiratory Indication:
- Surfactant therapy in the NICU: Yes
- Indication For Surfactant:
- Baby's Respiratory Rate:
- PaO₂: 26
- PaCO₂:
- HCO₃:
- BE:
- Lactate:
- ET Tube: N/A (red circle)
- Size in cm: None
- Cm at Lips:
- SaO₂ PostDuctal: 98
- OI: 26.0

A red arrow points to the 'Doctors daily entry form' menu item in the sidebar. Another red arrow points to the 'PaO₂' field. A third red arrow points to the 'OI' field.

Fig: OI

- 1.11.13.6.** Max value of OI should be display in the report, for that should check all the daycare sheet and return the max value of OI
- 1.11.13.7.** “His/Her maximum oxygenation index was (max value of OI)” should display in the report

1.11.14. Respiratory Indication

- 1.11.14.1.** Respiratory Indication should be generated from NICU Admission -> Doctors Daily Entry Form -> Respiratory System -> Respiratory Indication
- 1.11.14.2.** Value would be displayed in a drop down menu
- 1.11.14.3.** Refer Fig: RS, Fig: Respiratory Indication

The screenshot shows the Neonatal software interface. The top navigation bar includes 'Neonatal', 'Dashboard', 'Masters', 'Settings', and a user account. Below the navigation is a horizontal menu with tabs: 'General Information', 'Respiratory System' (which is highlighted in blue), 'Cardiovascular System', 'Gastrointestinal System', 'Central Nervous System', 'Renal, Fluid Balance & Bloods', 'Sepsis & Drugs', 'Invasive Lines', 'ROP & Plan', 'Notes', and 'Reassessment Sheet'. On the left, a sidebar lists 'REGISTRATION', 'NEONATE - BASIC ENTRY F...', 'NICU ADMISSION', 'Admission Form', 'Doctors daily entry form' (with a red arrow pointing to it), 'NICU Discharge Details', and 'Discharge Summary'. The main content area contains sections for 'Respiratory ICD', 'Are there any positive examination findings?' (with 'N/A' selected), 'Invasive Ventilation' (with 'Yes' selected, indicated by a green circle), 'Type Of Blood Gas' (set to 'Arterial'), and 'Last BG at' (time set to 01:00 AM).

Fig: RS

This screenshot shows the same Neonatal software interface as above, but with a different focus. The 'Doctors daily entry form' link in the sidebar has a red arrow pointing to it. In the main content area, the 'Respiratory Indication' section is open, displaying a dropdown menu with various options: 'Acute Pulmonary Haemorrhage' (selected and highlighted in blue), 'Acute Surgical abdomen', 'Airleak', 'Apnea', 'Bronchiolitis', 'CDH', 'Cardiac', and 'HIE'. Below the dropdown is a severity scale from 'N/A' to 'Severe' with five circular markers. Further down, the 'Air entry' section shows a status scale from 'N/A' to 'Reduced' with three markers: 'Equal' (green), 'Reduced' (blue), and 'Marked Reduced' (red). A red arrow points from the scroll bar of the dropdown menu to the 'Acute Pulmonary Haemorrhage' option.

Fig: Respiratory Indication

1.11.14.4. “He/She required assisted respiratory support after admission to the neonatal unit due to (respiratory indication drop down value)” should be displayed in the report

1.11.15. Home Oxygen

1.11.15.1. Home Oxygen should be generated from NICU Admission -> NICU Discharge Details -> Checklist -> Home Oxygen

1.11.15.2. Refer Fig: Home Oxygen

1.11.15.3. Status should be generated from NICU Admission -> NICU Discharge Details -> Discharge details -> Status

1.11.15.4. Refer Fig: Status

The screenshot shows the 'NICU Discharge Details' section of the software. On the left sidebar, 'NICU Discharge Details' is highlighted with a red arrow. In the main area, there is a 'Home Oxygen' section with three radio button options: 'N/A' (blue), 'Yes' (green), and 'No' (red). A red arrow points to the 'No' option.

Hb(g/dl):	ND
PCV:	ND
DCT:	
Total Serum Bilirubin (mg/dl):	
Direct Bilirubin (mg/dl):	
Ca (mg/dl):	11
Po4 (mg/dl):	ND
ALP (IU/L):	ND
Na (mmol/l):	ND
Home Oxygen:	N/A Yes No

ROP Screening: Not Indicated

Type of Treatment: + Add More

Neurological Status: N/A Normal Suspect Abnormal

Feeding At Discharge: Directly Breast Fed

Fig: Home Oxygen

The screenshot shows the 'NICU Discharge Details' section of the software. On the left sidebar, 'NICU Discharge Details' is highlighted with a red arrow. In the main area, there is a 'Status' dropdown menu with 'Discharged' selected, indicated by a red arrow. To the right, there are sections for 'Corrected Gestation' (Weeks: 36, Days: 3), 'Newborn Screen' (status: Sent), 'Hearing Screening' (status: At 3 mths, Not Indicated), and other discharge details like Date of Discharge, Discharge Weight, DOL at Discharge, and OFC in cm.

Status:	Discharged
Date of Discharge:	
Discharge Weight (In grams):	1981
DOL at Discharge:	9 days
OFC in cm:	

Corrected Gestation: Weeks: 36 Days: 3

Newborn Screen: N/A Sent Not Sent Normal Abnormal

Hearing Screening: N/A At 3 mths Not Indicated

Fig: Status

- 1.11.15.5.** If home Oxygen highlights “No” and Status is any one of this drop down value Discharged, Discharge at Request, Discharge Against Medical Advice, Transferred
- 1.11.15.6.** Then “He/She was born spontaneously breathing in air with good saturation at the time of discharge” should display in report

- 1.11.15.7.** If home Oxygen highlights “No” and Status is of any one of this drop down value Discharged, Discharge at Request, Discharge Against Medical Advice, Transferred

- 1.11.15.8.** Then “He/She was discharged on Home Oxygen”

1.12. Cardiovascular System

1.12.1. Inotropes

- 1.12.1.1.** Inotropes should be generated from NICU Admission -> Doctor’s Daily Entry Form -> Cardiovascular System -> Inotropes

- 1.12.1.2.** Refer Fig: Inotropes

The screenshot shows the Neonatal software interface. On the left, there's a vertical sidebar with various menu items like Registration, Neonate - Basic Entry Form, NICU Admission, etc. A red arrow points to the 'Doctors daily entry form' item. The main window has a top navigation bar with tabs: General Information, Respiratory System, Cardiovascular System (which is highlighted in blue), Gastrointestinal System, Central Nervous System, and Renal, Fluid Balance & Bloods. Below the tabs are sub-tabs: Sepsis & Drugs, Invasive Lines, Skin, DP & Plan, Notes, and Reassessment Sheet. A red arrow points to the 'DP & Plan' tab. The central area contains sections for cardiovascular parameters: HR (144), CFT (< 3 Seconds), Systolic BP (76), Diastolic BP (33), Mean BP (50), Pulse Pressure (Normal), Central Pulses (N/A), Peripheral Pulses (N/A), Central Temperature (98.6), Peripheral Temperature (blank), Color (N/A, Pale, Pink, Acral Cyanosis, Central Cyanosis), and Inotropes (N/A, No, Yes). The 'Inotropes' section is highlighted with a red arrow pointing to the 'N/A' option in the dropdown menu.

Fig: Inotropes

- 1.12.1.3.** If the Inotropes is highlighted “No”, then “His/Her blood pressure remained stable and didn’t require any Inotropic support during his/her stay”
- 1.12.1.4.** If the Inotropes is highlighted “Yes”, then “His/Her required the following Inotropic support for hypotension”
- 1.12.1.5.** Refer table for Inotropic support for hypotension
- 1.12.1.6.** For Maximum dose required value, check the value entered in the each daycare sheet and it should compare and display the maximum value

Name	Maximum dose required	Total No of days
Dopamine (mcg/kg/min)		
Dobutamine (mcg/kg/min)		
Adrenaline (ng/kg/min)		
Nor adrenaline (ng/kg/min)		
Milrinone (mcg/kg/hour)		

1.12.2. ECHO & PDA

1.12.2.1. ECHO should be generated from NICU Admission -> Doctors Daily Entry Form
-> Cardiovascular System -> ECHO

1.12.2.2. PDA should be generated from NICU Admission -> Doctors Daily Entry Form ->
Cardiovascular System -> PDA

1.12.2.3. Refer Fig: Cardiovascular and Fig: ECHO & PDA

The screenshot shows the Neonatal software interface. The top navigation bar includes 'Neonatal', 'Dashboard', 'Masters', 'Settings', and a user account. Below the dashboard, there are tabs for 'REGISTRATION', 'NEONATE - BASIC ENTRY F...', 'NICU ADMISSION', 'Admission Form', 'Doctors daily entry form' (which has a red arrow pointing to it), and 'NICU Discharge Details'. The main content area has tabs for 'General Information', 'Respiratory System', 'Cardiovascular System' (which is highlighted with a red arrow), 'Gastrointestinal System', 'Central Nervous System', and 'Renal, Fluid Balance & Bloods'. Under the 'Cardiovascular System' tab, there are sections for 'Cardiovascular ICD:', 'Are there any positive examination findings? (N/A, No, Yes)', 'HR: 144', 'CFT: N/A < 3 Seconds Prolonged', and 'Systolic BP: --'. The right side of the interface shows a progress bar with three segments: blue (N/A), grey (less than 3 seconds), and red (prolonged).

Fig: Cardiovascular

The screenshot shows the 'Neonatal' tab selected in the top navigation bar. On the left sidebar, under the 'Doctors daily entry form' section, there is a red arrow pointing to the 'ECHO & PDA' link. The main panel displays various clinical findings with circular sliders:

- ECHO:** Sliders for 'N/A' (red), 'No' (grey), and 'Yes' (blue). A red arrow points to the 'N/A' slider.
- ECHO Report:** An empty text area.
- PDA:** Sliders for 'N/A' (red), 'Yes' (blue), and 'No' (grey). A red arrow points to the 'N/A' slider.
- PDA Treatment:** Sliders for 'N/A' (blue), 'None' (grey), 'Medical' (grey), and 'Surgical' (grey).
- PAH:** An empty text area.

Other findings shown include Peripheral Pulses (N/A), Femoral Pulses (N/A), Precordial Activity (Absent), S1S2 (Normal), Murmur (Absent), and Other CVS Findings (empty text area).

Fig: ECHO & PDA

- 1.12.2.4.** If ECHO highlights “No” and PDA highlights “No”, then “Baby didn’t require an echocardiogram” should display in the report
- 1.12.2.5.** If ECHO highlights “Yes” and PDA highlights “No”, then “He/She didn’t have a PDA” should display in the report
- 1.12.2.6.** If ECHO highlights “Yes”, PDA highlights “Yes” and PDA Treatment highlights “None or N/A”, then “A PDA was detected on echocardiogram however didn’t require treatment” should display in the report
- 1.12.2.7.** If ECHO highlights “Yes”, PDA highlights “Yes” and PDA Treatment highlights “Medical or Surgical”, then “A PDA was detected on echocardiogram. He/She requires medical/surgical treatment for PDA” should display in the report
- 1.12.2.8.** If ECHO “Yes”, following table will display

Date	ECHO Findings
10/10/2014	ND

1.13. Gastrointestinal System

1.13.1. Enteral Feeding

1.13.1.1. Enteral Feeding should be generated from NICU Admission -> Admission Form -> Procedures -> Enteral Feeding

1.13.1.2. Refer Fig: Enteral Feeding

The screenshot shows the 'Neonatal' software interface. On the left, a sidebar lists various modules: REGISTRATION, NEONATE - BASIC ENTRY F..., NICU ADMISSION, Admission Form (highlighted with a red arrow), Doctors daily entry form, NICU Discharge Details, Discharge Summary, NURSE DAILY ENTRY FORM, POSTNATAL ADMISSION, OP REGISTRATION, REPORTS, TESTS, CALCULATORS, and DELETE APPROVALS. The main panel shows the 'NICU Admission > Edit For' screen. The 'Procedures' tab is selected. Under 'Initial X ray:', the dropdown shows 'Not done'. Under 'SepsisScreen:', the dropdown shows 'Yes'. Under 'Indications:', the text 'prematurity' is entered. Under 'IV Antibiotic:', two options are listed: 'Ampicillin + Cloxacillin' and 'Amikacin', each with a delete button. A '+ Add More' button is available. Under 'Investigations:', the text 'CBC,CRP,blood c/s,blood gas' is entered. Under 'Fluids/Feeds ml/kg/d:', the value '60' is entered. Under 'Enteral Feeding:', the dropdown shows 'Yes'. At the bottom, there are buttons for 'Update & Close', 'Update', 'Print', and 'Cancel'.

Fig: Enteral Feeding

1.13.1.3. If Enteral Feeding displays “Yes”, then “He/She receives IV fluids following admission to neonatal units” should display in the report

1.13.2. TPN

1.13.2.1. TPN should be generated from NICU Admission -> Doctors Daily Entry Form -> Gastrointestinal System -> TPN

1.13.2.2. Refer Fig: Gastro and Fig: TPN

Neonatal **Dashboard** **Masters** **Settings** **manikandan**

REGISTRATION

NEONATE - BASIC ENTRY F...

NICU ADMISSION

- Admission Form**
- Doctors daily entry form** (highlighted with a red arrow)
- NICU Discharge Details**
- Discharge Summary**

Gastrointestinal System **Central Nervous System** **Renal, Fluid Balance & Bloods**

Sepsis & Drugs **Invasive Lines** **Skin** **ROP & Plan** **Notes**

Gastrointestinal ICD:

Are there any positive examination findings ? **N/A** **No** **Yes**

Directly breast feed ? **No**

Other Type Of Feeds ? **No**

Volume:

Umbilicus: **Healthy**

Hepatomegaly:

N/A **No** **Yes**

Fig: Gastro

Neonatal **Dashboard** **Masters** **Settings** **manikandan**

REGISTRATION

NEONATE - BASIC ENTRY F...

NICU ADMISSION

- Admission Form**
- Doctors daily entry form** (highlighted with a red arrow)
- NICU Discharge Details**
- Discharge Summary**
- NURSE DAILY ENTRY FORM**
- POSTNATAL ADMISSION**
- OP REGISTRATION**

TPN:

Carbohydrates (g/kg/day)

Amino Acid (g/kg/day)

Fat(g/kg/day)

Total Energy (kcal/kg/day):

Aspirate Volume:

Mother Blood Group: **B Positive**

AXR Findings: **ND**

Ultrasound Abdominal: **No**

Fig: TPN

- 1.13.2.3.** If TPN is highlighted “Yes” and Amino Acid (g/kg/day), Fat(g/kg/day) values are entered, then “He/She also received parenteral nutrition. He/She achieved a maximum Amino acid intake of (maximum of amino acid value) g/kg/day and a fatty acid intake of (maximum of fat value) g/kg/day ” should display in the report
- 1.13.2.4.** For maximum of amino acid and fat value, check the value entered in the each daycare sheet and it should compare and display the maximum value

- 1.13.2.5.** If TPN is highlighted “Yes” and Total Energy (kcal/kg/day) values are entered, then “His/Her maximum total energy intake was (maximum value of total energy) kcal/kg/kday” should display in the report
- 1.13.2.6.** If TPN is highlighted “No”, then “He/She didn’t need parenteral nutrition” should display in the report

1.13.3. Directly breast feed ?

- 1.13.3.1.** Directly breast feed ? should be generated from NICU Admission -> Doctors Daily Entry Form -> Gastrointestinal System -> Directly breast feed ?
- 1.13.3.2.** Refer Fig: Directly breast feed

The screenshot shows the Neonatal software interface. The top navigation bar includes 'Neonatal', 'Dashboard', 'Masters', 'Settings', and a user account. Below the dashboard, there are several tabs: 'REGISTRATION', 'NEONATE - BASIC ENTRY F...', 'NICU ADMISSION', 'Admission Form', 'Doctors daily entry form' (which has a red arrow pointing to it), 'NICU Discharge Details', and 'Discharge Summary'. The main content area is titled 'Gastrointestinal System'. It contains sections for 'General Information', 'Respiratory System', 'Cardiovascular System', 'Gastrointestinal System' (which is selected and highlighted in blue), 'Central Nervous System', and 'Renal, Fluid Balance & Bloods'. Under the 'Gastrointestinal System' tab, there are fields for 'Gastrointestinal ICD:', 'Are there any positive examination findings?', 'Directly breast feed?' (with a red arrow pointing to the 'Yes' button), 'Other Type Of Feeds?', 'Frequency', 'Umbilicus:', 'Hepatomegaly:', and three green progress bars for 'N/A', 'No', and 'Yes'.

Fig: Directly breast feed

- 1.13.3.3.** If Directly breast feed? Is displaying “Yes”, then “Milk feeds were commenced from day(day of life). This was gradually increased as tolerated” should display in the report
- 1.13.4. NEC**
- 1.13.4.1.** NEC should be generated from NICU Admission -> Doctors Daily Entry Form -> Gastrointestinal System -> NEC
- 1.13.4.2.** Refer Fig: NEC and Fig: Gastro

The screenshot shows the 'Doctors daily entry form' section of the software. It includes fields for Abdomen (Normal), Bowel Sounds (Normal), Abdominal Girth (NIL), and Other PA Findings (NIL). The NEC section shows 'Yes' selected, highlighted in red. The NEC treatment field is set to 'N/A'. Action buttons at the bottom include 'Update & Close', 'Update', 'Print', and 'Cancel'.

Fig: NEC

- 1.13.4.3. If NEC is highlighted “No”, then “He/She didn’t develop NEC”
- 1.13.4.4. If NEC is highlighted “Yes”, then “He/She developed NEC”
- 1.13.4.5. If NEC Treatment is selected any of these Medical/Surgical, then “He/She received Medical/Surgical treatment for NEC” should display in the report

1.13.5. Full Enteral Feeds

- 1.13.5.1. Full Enteral Feeds should be generated from NICU Admission -> Doctors Daily Entry Form -> Gastrointestinal System -> Full Enteral Feeds
- 1.13.5.2. Refer Fig: Full Enteral Feeds

The screenshot shows the Neonatal software interface. The top navigation bar includes 'Neonatal', 'Dashboard', 'Masters', 'Settings', and a user account. Below the dashboard, a menu on the left lists 'REGISTRATION', 'NEONATE - BASIC ENTRY F...', 'NICU ADMISSION', 'Admission Form', 'Doctors daily entry form' (highlighted with a red arrow), 'NICU Discharge Details', 'Discharge Summary', 'NURSE DAILY ENTRY FORM', 'POSTNATAL ADMISSION', 'OP REGISTRATION', 'REPORTS', 'TESTS', 'CALCULATORS', and 'DELETE APPROVALS'. The main content area has tabs for 'General Information', 'Respiratory System', 'Cardiovascular System', 'Gastrointestinal System' (highlighted with a red arrow), 'Central Nervous System', and 'Renal, Fluid Balance & Bloods'. Under 'Gastrointestinal System', there are sections for 'Gastrointestinal ICD:', 'Are there any positive examination findings?', 'Directly breast feed?', 'Other Type Of Feeds?', 'Volume', 'Frequency', 'Working Weight', 'Feeds ml/kg/d', 'Type of Feeds', 'Full Enteral Feeds' (highlighted with a red arrow), 'Umbilicus', 'Hepatomegaly', 'Splenomegaly', 'Hernia', 'Genitalia', and 'Maximum Bilirubin (in last 24 hours)'. The 'Full Enteral Feeds' section includes a status indicator: 'N/A' (light grey), 'Reached' (green), and 'Not Reached' (light grey). A red arrow points to the 'Reached' status.

Fig: Full Enteral Feeds

- 1.13.5.3.** If Full Enteral feeds is highlighted “Reached”, then “He/She reached full feeds for the first time on the day” should display in the report
- 1.13.5.4.** If Full Enteral feeds is highlighted “Reached” and then in the following daycare sheet it highlights “Not Reached”, then “Due to feed intolerance/other medical reasons, milk feeds were either stopped or volume reduced on days (total no of days i.e., not reached days)” should display in the report
- 1.13.5.5.** If Full Enteral feeds is highlighted “Reached” and then in the following daycare sheet it highlights “Not Reached” and again in the following daycare sheet it highlights “Reached”, then “He/She again reached full feeds on days/remaining days(total no of days in daycare sheet after highlights “reached” from “not reached”)” should display in the report
- 1.13.6. Current Weight**
 - 1.13.6.1.** Current Weight should be generated from NICU Admission -> Doctors Daily Entry Form -> Renal, Fluid Balance & Bloods -> Current Weight
 - 1.13.6.2.** Refer Fig: Current Weight

The screenshot shows the 'Doctors daily entry form' section of the Neonatal software. The left sidebar lists various forms: REGISTRATION, NEONATE - BASIC ENTRY F..., NICU ADMISSION, Admission Form, Doctors daily entry form (highlighted with a red arrow), NICU Discharge Details, Discharge Summary, NURSE DAILY ENTRY FORM, and POSTNATAL ADMISSION. The top navigation bar includes tabs for General Information, Respiratory System, Cardiovascular System, Gastrointestinal System, Central Nervous System, and Renal, Fluid Balance & Bloods (highlighted with a red arrow). Below these tabs are sub-tabs: Sepsis & Drugs, Invasive Lines, Skin, ROP & Plan, Notes, and Reassessment Sheet. The main form area contains fields for Fluid Balance ICD, Total Fluid ml/kg/d (60), Previous Weight (grams) (1697), Current Weight (grams) (1548), Weight Change (grams) (-149), Percentage Change, RBS (102), Glucose & Electrolyte Abnormalities, Hypoglycemia (No), Hyperglycemia (No), Insulin Therapy (No), and Hyponatremia (No).

Fig: Current Weight

- 1.13.6.3.** “He/She regained birth weight on day(date in daycare sheet)” should display in the report
- 1.13.6.4.** This condition satisfies only when current weight and birth weight matches i.e., equal

1.13.7. Feeding at discharge

- 1.13.7.1.** Feeding at discharge should be generated from NICU Admission -> NICU discharge details -> Checklist -> Feeding at discharge
- 1.13.7.2.** Refer Fig: Feed at discharge

The screenshot shows the 'NICU Discharge Details' section of the software. The 'Checklist' tab is active. On the right, there's a 'Neurological Status' scale from 'N/A' to 'Abnormal' with 'Normal' highlighted in green. Below it is a 'Feeding At Discharge' dropdown set to 'Directly Breast Fed'.

Fig: Feed at discharge

- 1.13.7.3.** Following conditions should display for the feed at discharge each drop down values
- 1.13.7.4. Fed DBF + EBM Top up**
- 1.13.7.4.1.** “At discharge, He/She is breastfed also receives expressed breast milk top up” should display in the report
- 1.13.7.5. Fed DBF + Formula Top up**
- 1.13.7.5.1.** “At discharge, He/She is breastfed also receives formula top up” should display in the report
- 1.13.7.6. Fed DBF + EBM/Formula Top up**
- 1.13.7.6.1.** “At discharge, He/She is breastfed also receives formula expressed breast milk top up” should display in the report
- 1.13.7.7. Spoon Fed with EBM**
- 1.13.7.7.1.** “At discharge, He/She is Paladai/Spoon fed with expressed breast milk” should display in the report
- 1.13.7.8. Spoon Fed with Formula**
- 1.13.7.8.1.** “At discharge, He/She is Paladai/Spoon fed with formula milk” should display in the report
- 1.13.8. Ultrasound Abdominal**
- 1.13.8.1.** Ultrasound Abdominal should be generated from NICU Admission -> Doctors daily entry form -> Gastrointestinal System -> Ultrasound Abdominal
- 1.13.8.2. Refer Fig: Ultrasound Abdominal**

Neonatal

REGISTRATION

NEONATE - BASIC ENTRY F...

NICU ADMISSION

Admission Form

Doctors daily entry form

NICU Discharge Details

Discharge Summary

Dashboard

Masters

Settings

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AXR Findings:
ND

Aspirate Volume: 0

AspirateNature: N/A

Stools: Bowels opened

Stool Nature: N/A

Abdomen:

Ultrasound Abdominal: Yes

Key Findings:

Fig: Ultrasound Abdominal

- 1.13.8.3.** If Ultrasound Abdominal displays Yes, then following table should display in the report

Date	Findings
Date of record generated from General Information in daycare sheet	Findings generated from Ultrasound findings in Gastrointestinal System in daycare sheet

1.14. Central Nervous System

1.14.1. Therapeutic Hypothermia

- 1.14.1.1.** Therapeutic Hypothermia should be generated from NICU Admission -> Doctors daily entry form -> Central Nervous System -> Therapeutic Hypothermia

1.14.1.2. Refer Fig: Therapeutic Hypothermia

Neonatal

REGISTRATION

NEONATE - BASIC ENTRY F...

NICU ADMISSION

Admission Form

Doctors daily entry form

NICU Discharge Details

Discharge Summary

NURSE DAILY ENTRY FORM

POSTNATAL ADMISSION

Dashboard

Masters

Settings

manikandan

General Information Respiratory System Cardiovascular System Gastrointestinal System Central Nervous System Renal, Fluid Balance & Bloods

Sepsis & Drugs Invasive Lines Skin ROP & Plan Notes Reassessment Sheet

Central Nervous ICD:

Are there any positive examination findings? N/A No Yes

Is the baby under the influence of sedation/Paralysis? N/A No Yes

Therapeutic Hypothermia: N/A No Yes

Neonatal Reflexes: Normal

Other CNS Findings: NIL

Pupils:

Fig: Therapeutic Hypothermia

- 1.14.1.3.** If Therapeutic Hypothermia highlights “Yes”, then “He/She received Therapeutic Hypothermia for delayed perinatal adaptation. A target temperature between 32.2°C to 33.8°C was achieved” should display in the report

1.14.2. Neurosonogram

- 1.14.2.1.** Neurosonogram should be generated from NICU Admission -> NICU discharge details -> Discharge Neurosonogram

- 1.14.2.2.** Refer Fig: Neurosonogram

The screenshot shows the 'Neonatal' software interface. On the left, a dark sidebar lists various modules: REGISTRATION, NEONATE - BASIC ENTRY F..., NICU ADMISSION (highlighted), Admission Form, Doctors daily entry form, NICU Discharge Details, Discharge Summary (highlighted with a red arrow), NURSE DAILY ENTRY FORM, POSTNATAL ADMISSION, OP REGISTRATION, REPORTS, TESTS, CALCULATORS, and DELETE APPROVALS. The main panel displays discharge details like DCT, Total Serum Bilirubin, Direct Bilirubin, Ca, Po4, ALP, Na, and Home Oxygen levels, each with a corresponding input field. To the right, there are four horizontal status indicators for Neurological Status (N/A, Normal, Suspect, Abnormal) and Feeding At Discharge (N/A). Below these are two more sets of status indicators for Discharge Neurosonogram (N/A, Normal, Abnormal, Not Indicated) and Discharge Summary (N/A, Yes, No). Red arrows point to the 'Discharge Neurosonogram' button in the sidebar and the 'Not Indicated' status indicator in the main panel.

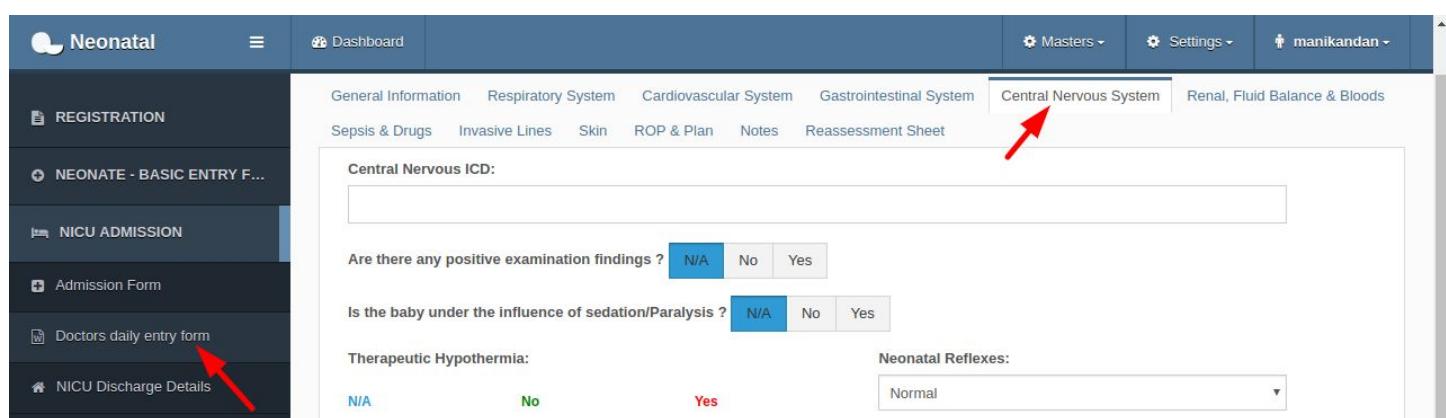
Fig: Neurosonogram

- 1.14.2.3.** If Discharge Neurosonogram highlights “Normal/Abnormal”, then “His/Her cranial ultrasound scans performed were Normal/Abnormal” should display in the report
- 1.14.2.4.** If Discharge Neurosonogram highlights “Not indicated”, then “There were no indication to perform a cranial ultrasound scan”
- 1.14.2.5.** Following table should display for Neurosonogram

Date	Findings
Date of record generated from General Information in daycare sheet	Findings generated from Neurosonogram Report in Central Nervous System in daycare sheet

1.14.3. Seizures

- 1.14.3.1. Seizures should be generated from NICU Admission -> Doctors daily entry form
-> Central Nervous System -> Seizures
- 1.14.3.2. Refer Fig: Central Nervous System and Fig: Seizures



The screenshot shows the Neonatal software interface. On the left, there is a vertical sidebar with the following menu items:

- REGISTRATION
- NEONATE - BASIC ENTRY F...
- NICU ADMISSION
- Admission Form
- Doctors daily entry form (highlighted with a red arrow)
- NICU Discharge Details

The main content area has a blue header bar with the following tabs:

- Dashboard
- Masters
- Settings
- manikandan

Below the header, there is a navigation bar with the following links:

- General Information
- Respiratory System
- Cardiovascular System
- Gastrointestinal System
- Central Nervous System** (highlighted with a red arrow)
- Renal, Fluid Balance & Bloods

Under the Central Nervous System tab, there are several input fields and dropdown menus:

- Central Nervous ICD: (empty text input field)
- Are there any positive examination findings? (radio buttons: N/A, No, Yes) - N/A is selected.
- Is the baby under the influence of sedation/Paralysis? (radio buttons: N/A, No, Yes) - N/A is selected.
- Therapeutic Hypothermia: (radio buttons: N/A, No, Yes) - No is selected.
- Neonatal Reflexes: (dropdown menu) - Normal is selected.

Fig: Central Nervous System

Is the baby under the influence of sedation/Paralysis ?

Therapeutic Hypothermia:

Neonatal Reflexes:

Pupils:

Other CNS Findings:

Anterior Fontanelle:

Neuro Sonogram:

Ultrasound Spine:

MRI/CT Brain:

EEG/CFM:

Activity:

Tone:

Cry:

Seizures:

Type Of Seizures:

Fig: Seizures

1.14.3.3. If the Seizures highlights “Yes”, then “He/She developed seizures during Neonatal stay” should display in the report

1.14.3.4. If the Seizures highlights “No”, then “He/She didn’t have any seizures” should display in the report

1.14.4. Meningitis

1.14.4.1. Meningitis should be generated from NICU Admission -> Doctors daily entry form -> Sepsis & Drugs -> Viral Meningitis/Encephalitis

1.14.4.2. Refer **Fig: Meningitis**

The screenshot shows the Neonatal software interface. The left sidebar has a dark background with white text and icons. It includes sections like 'REGISTRATION', 'NEONATE - BASIC ENTRY F...', 'NICU ADMISSION', 'Admission Form', 'Doctors daily entry form' (which is highlighted with a red arrow), 'NICU Discharge Details', 'Discharge Summary', 'NURSE DAILY ENTRY FORM', 'POSTNATAL ADMISSION', 'OP REGISTRATION', 'REPORTS', 'TESTS', 'CALCULATORS', and 'DELETE APPROVALS'. The main content area has a light blue header with tabs: 'General Information', 'Respiratory System', 'Cardiovascular System', 'Gastrointestinal System', 'Central Nervous System', 'Renal, Fluid Balance & Bloods', and 'Sepsis & Drugs' (which is selected and highlighted with a red arrow). Below this is a section titled 'Sepsis ICD:' with a large input field. To the right, there's a 'SEPSIS:' dropdown set to 'No sepsis', a 'Other Drugs' section with four empty input fields and 'x' buttons, a 'Organism:' dropdown set to 'N/A', and a 'Lumbar puncture:' section with three radio buttons labeled 'Performed' (grey), 'Not Performed' (blue), and 'Not Indicated' (grey). At the bottom are buttons for 'Update & Close', 'Update', 'Print' (which is highlighted with a red arrow), and 'Cancel'.

Fig: Meningitis

- 1.14.4.3.** If the Viral Meningitis/Encephalitis displays “Yes”, then “He/She was treated for Meningitis” should display in the report

1.14.5. Neurological Status

- 1.14.5.1.** Neurological Status should be generated from NICU Admission -> NICU discharge details -> Checklist -> Neurological Status

- 1.14.5.2.** Refer Fig: Neurological Status

Discharge Details Checklist

Hb(g/dl): 15.1

PCV: 45.9

DCT:

Total Serum Bilirubin (mg/dl): 11.9

Direct Bilirubin (mg/dl):

Ca (mg/dl): 9.5

ROP Screening: N/A

Type of Treatment: + Add More

Neurological Status: N/A (Grey), Normal (Green), Suspect (Orange), Abnormal (Red)

Feeding At Discharge: Fed DBF + EBM/Formula Top up

Fig: Neurological Status

- 1.14.5.3.** If Neurological Status highlights any one of these “Normal/Suspect/Abnormal”, then “His/Her discharge neurological status is Normal/Suspect/Abnormal” should display in the report

1.15. Sepsis & Drugs

1.15.1. Sepsis

- 1.15.1.1.** Sepsis should be generated from NICU Admission -> Doctors daily entry form -> Sepsis & Drugs -> Sepsis

1.15.1.2. Refer Fig: Sepsis

General Information Respiratory System Cardiovascular System Gastrointestinal System Central Nervous System Renal, Fluid Balance & Bloods

Sepsis & Drugs Invasive Lines Skin ROP & Plan Notes Reassessment Sheet

Sepsis ICD:

SEPSIS: Probable

- N/A
- No sepsis
- Suspect
- Probable**
- Proven
- Severe

Other Drugs

+ Add More

Fig: Sepsis

- 1.15.1.3.** If sepsis displays any one these Suspect, Probable, Proven, Severe, then “He/She was treated for Suspect/Probable/Proven/Severe” should display in the report
- 1.15.1.4.** If sepsis displays any one these N/A or No Sepsis, then “He/She didn’t develop sepsis”

1.15.2. Organism

- 1.15.2.1. Organism should be generated from NICU Admission -> Doctors daily entry form
-> Sepsis & Drugs -> Organism

- 1.15.2.2. Refer Fig: Organism

The screenshot shows the 'Neonatal' software interface. On the left, a vertical sidebar lists various modules: REGISTRATION, NEONATE - BASIC ENTRY F..., NICU ADMISSION (which is currently selected), Admission Form, Doctors daily entry form, NICU Discharge Details, Discharge Summary, NURSE DAILY ENTRY FORM, POSTNATAL ADMISSION, OP REGISTRATION, REPORTS, TESTS, CALCULATORS, and DELETE APPROVALS. At the top, there are tabs for General Information, Respiratory System, Cardiovascular System, Gastrointestinal System, Central Nervous System, Renal, Fluid Balance & Bloods, and a 'Dashboard' tab. Below these tabs, a sub-menu for 'Sepsis & Drugs' is active, with other options like Invasive Lines, Skin, ROP & Plan, Notes, and Reassessment Sheet. The main content area is titled 'Sepsis ICD:' with a text input field. To the right, there's a section for 'SEPSIS:' with a dropdown menu set to 'Probable'. Below that is a 'Other Drugs' section with four empty input fields and a 'x' button next to each. A 'Add More' button is also present. At the bottom, there's a 'Organism:' section with a dropdown menu open, showing a list of microorganisms. The 'N/A' option is selected. Other options listed include E.coli, Klebsiella, Pseudomonas, Enterobacter, Citrobacter, Acinetobacter, CONS, MSSA, MRSA, VRSA, Streptococcus, Enterococcus, Yeast, NLFGNB, NFGNB, and Burkholderia. A 'med' button and a 'Not Indicated' button are visible to the right of the dropdown. At the very bottom, there are 'Update & Close' and 'Update' buttons.

Fig: Organism

- 1.15.2.3. If any one from organism drop down is selected, then “He/She grew (organism) in blood culture on day(day of life in general information)”

1.15.3. Meningitis

- 1.15.3.1. Meningitis should be generated from NICU Admission -> Doctors daily entry form -> Sepsis & Drugs -> Viral Meningitis/Encephalitis

- 1.15.3.2. Refer Fig: Meningitis

The screenshot shows the 'Neonatal' dashboard with various menu options on the left. The 'Doctors daily entry form' option is highlighted with a red arrow. The main content area is titled 'Sepsis & Drugs' and includes sections for 'Sepsis ICD:', 'SEPSIS:' (set to 'No sepsis'), 'Other Drugs' (with four empty fields and 'x' icons), 'Organism:' (set to 'N/A'), 'Lumbar puncture:' (with three radio buttons: 'Performed' (grey), 'Not Performed' (blue), and 'Not Indicated' (grey)), and 'Viral Meningitis/Encephalitis:' (set to 'Yes'). At the bottom are buttons for 'Update & Close', 'Update', 'Print' (highlighted with a red arrow), and 'Cancel'.

Fig: Meningitis

- 1.15.3.3.** If the Viral Meningitis/Encephalitis displays “Yes”, then “He/She was treated for Meningitis” should display in the report
 - 1.15.3.4.** If the Viral Meningitis/Encephalitis displays “No”, then “There was no indication to perform a Lumbar puncture” should display in the report
 - 1.15.3.5.** If the Viral Meningitis/Encephalitis displays “N/A”, then “He/She didn’t develop Meningitis” should display in the report
- 1.15.4. Antibiotic**
- 1.15.4.1.** Antibiotic should be generated from NICU Admission -> Doctors daily entry form -> Sepsis & Drugs -> Sepsis (suspect) -> Antibiotic
 - 1.15.4.2.** Refer Fig: Antibiotic

The screenshot shows the 'Neonatal' tab selected in the top navigation bar. The main content area is titled 'Sepsis & Drugs'. It includes tabs for General Information, Respiratory System, Cardiovascular System, Gastrointestinal System, Central Nervous System, Renal, Fluid Balance & Bloods, Invasive Lines, Skin, ROP & Plan, Notes, and Reassessment Sheet. The 'Sepsis ICD:' field is empty. The 'SEPSIS:' dropdown is set to 'Suspect'. The 'Antibiotic' dropdown is set to 'N/A'. To the right, there is a section for 'Other Drugs' with four empty input fields and their respective delete icons. A red arrow points to the 'SEPSIS:' dropdown, another to the 'Antibiotic' dropdown, and a third to the 'NICU Discharge Details' link in the sidebar.

Fig: Antibiotic

- 1.15.4.3.** If any of the drop down value is selected, then “He/She received the following Antibiotic”
- 1.15.4.4.** Following table should be displayed

Antibiotics	DOL(Day of Life)
Ciprofloxacin	Day 1 to Day 5

- 1.15.4.5.** If Antibiotic was stopped after few days, then “Antibiotic were stopped on day(Day of life in daycare general information)”
- 1.15.4.6.** If Antibiotic is restarted after stoppage, then “Antibiotic were restarted again on day (Day of life in daycare general information) and stopped on (Day of life in daycare general information)”

1.15.5. Ophthalmology

- 1.15.5.1.** Ophthalmology is generated by selecting the “ROP Screening” drop down values
- 1.15.5.2.** ROP Screening should be generated from NICU Admission -> NICU discharge details -> Checklist -> ROP Screening
- 1.15.5.3.** Refer Fig: ROP Screening

The screenshot shows the 'NICU Discharge Details' section of the software. On the left sidebar, under 'NICU ADMISSION', the 'NICU Discharge Details' option is highlighted. In the main area, there are fields for Hb(g/dl), PCV, DCT, Total Serum Bilirubin (mg/dl), and Direct Bilirubin (mg/dl). To the right, there is a 'ROP Screening' section with a dropdown menu showing 'N/A', 'Not Indicated', 'Performed', 'To be performed as outpatient', and '+ Add More'. Below it is a 'Neurological Status' section with four options: N/A (blue), Normal (green), Suspect (orange), and Abnormal (red). A red arrow points from the 'NICU ADMISSION' menu item to the 'Hb(g/dl)' input field. Another red arrow points from the 'ROP Screening' dropdown menu to the 'Performed' option.

Fig: ROP Screening

- 1.15.5.4.** If the ROP Screening drop down value is displaying “Not Indicated”, then “An ROP assessment is not indicated” should display in the report
- 1.15.5.5.** If the ROP Screening drop down value is displaying “To be performed as outpatient”, then “ROP Screening to be done as an outpatient” should display in the report
- 1.15.5.6.** If the ROP Screening drop down value is displaying “Performed”, then “He/She underwent ROP screening and was found a (ROP screening result selected drop down value should display)” should display in the report

1.15.6. ROP Treatment

- 1.15.6.1.** ROP Treatment should be generated from NICU Admission -> NICU discharge details -> Checklist -> ROP Screening (Performed) -> ROP Treatment
- 1.15.6.2.** Refer Fig: ROP Treatment

The screenshot shows the 'NICU Discharge Details' section of the software. On the left sidebar, under 'NICU ADMISSION', the 'NICU Discharge Details' option is highlighted. In the main area, there are fields for Hb(g/dl), PCV, DCT, Total Serum Bilirubin (mg/dl), and Direct Bilirubin (mg/dl). To the right, there is a 'ROP Screening' section with a dropdown menu showing 'Performed' and 'N/A'. Below it is a 'ROP Treatment' section with a dropdown menu showing 'No' and 'Yes'. A red arrow points from the 'NICU ADMISSION' menu item to the 'Hb(g/dl)' input field. Another red arrow points from the 'ROP Treatment' dropdown menu to the 'No' option. A third red arrow points from the 'ROP Follow Up' slider to the 'No' position.

Fig: ROP Treatment

- 1.15.6.3.** If ROP Treatment highlights “Yes”, then “He/She underwent the following treatment for ROP Laser/Cryotherapy/Surgical”
- 1.15.6.4.** If ROP Treatment highlights “No”, then “The baby did not require any treatment for ROP”

1.15.7. ROP Follow Up

- 1.15.7.1.** ROP Follow Up should be generated from NICU Admission -> NICU discharge details -> Checklist -> ROP Screening (Performed) -> ROP Treatment (No) -> ROP Follow Up
- 1.15.7.2.** Refer Fig: ROP Follow Up

The screenshot shows the 'Checklist' tab selected in the top navigation bar. On the left sidebar, 'Discharge Details' is highlighted. The main form contains fields for Hb(g/dl), PCV, DCT, Total Serum Bilirubin (mg/dl), Direct Bilirubin (mg/dl), Ca (mg/dl), and Po4 (mg/dl). To the right, there's a 'ROP Screening' section with a dropdown set to 'Performed', and a 'ROP Treatment' section with a dropdown set to 'N/A'. Below these are two large circular buttons labeled 'No' and 'Yes' for 'ROP Follow Up', with arrows pointing to them from the left.

Fig: ROP Follow Up

- 1.15.7.3.** If ROP Follow Up highlights “Yes”, then “He/She will be reviewed in ROP Clinic” should display in the report
- 1.15.7.4.** If ROP Follow Up highlights “No”, then “He/She will not require follow up for ROP” should display in the report

1.16. Renal, Fluid Balance & Bloods

1.16.1. Transfusion

- 1.16.1.1.** Transfusion should be generated from NICU Admission -> Doctors daily entry form -> Renal, Fluid Balance & Bloods -> Transfusion
- 1.16.1.2.** Refer Fig: Transfusion

The screenshot shows the Neonatal software interface. The top navigation bar includes tabs for Dashboard, Masters, Settings, and a user account. Below the navigation bar, a sidebar lists various clinical forms: Registration, Neonate - Basic Entry Form, NICU Admission, Admission Form, Doctors daily entry form (highlighted with a red arrow), NICU Discharge Details, Discharge Summary, Nurse Daily Entry Form, Postnatal Admission, OP Registration, Reports, Tests, Calculators, and Delete Approvals. The main content area is titled 'Renal, Fluid Balance & Bloods'. It contains fields for General Information, Respiratory System, Cardiovascular System, Gastrointestinal System, Central Nervous System, and a 'Fluid Balance ICD' section. On the right side, there are sections for RBS, Glucose & Electrolyte Abnormalities (with buttons for Hypoglycemia, Hyperglycemia, Insulin Therapy, Hyponatremia, Hypernatremia, Hypokalemia, Hyperkalemia, Hypocalcemia, Hypercalcemia, and Dilution Exchange, all set to 'No'), and a 'Transfusion' section with buttons for 'N/A' (highlighted with a red arrow), 'No', and 'Yes'.

Fig: Transfusion

- 1.16.1.3.** If Transfusion highlights “Yes”, then “He/She received the following blood product transfusion as clinically indicated (Selected Product name from drop down)” should display in the report
- 1.16.1.4.** If Transfusion highlights “No”, then “He/She didn’t receive any blood products” should display in the product

1.16.2. Glucose & Electrolyte Abnormalities

- 1.16.2.1.** Glucose & Electrolyte Abnormalities should be generate from NICU Admission -> Doctors daily entry form -> Renal, Fluid Balance & Bloods -> Glucose & Electrolyte Abnormalities
- 1.16.2.2.** Refer Fig: Glucose & Electrolyte Abnormalities

The screenshot shows the Neonatal software interface. The top navigation bar includes tabs for General Information, Respiratory System, Cardiovascular System, Gastrointestinal System, Central Nervous System, and Renal, Fluid Balance & Bloods (which is highlighted with a red arrow). The left sidebar lists various modules: REGISTRATION, NEONATE - BASIC ENTRY F..., NICU ADMISSION (selected), Admission Form, Doctors daily entry form (highlighted with a red arrow), NICU Discharge Details, Discharge Summary, NURSE DAILY ENTRY FORM, POSTNATAL ADMISSION, OP REGISTRATION, REPORTS, TESTS, CALCULATORS, and DELETE APPROVALS. The main content area displays fluid balance details, weight changes, urine output, and a glucose/electrolyte abnormalities section. The abnormalities section is grouped by a red bracket and contains toggle buttons for Hypoglycemia, Hyperglycemia, Insulin Therapy, Hyponatremia, Hypernatremia, Hypokalemia, Hyperkalemia, Hypocalcemia, Hypercalcemia, and Dilution Exchange, all set to 'No'.

Fig: Glucose & Electrolyte Abnormalities

- 1.16.2.3.** If any on the hyper or hypo Glucose & Electrolyte Abnormalities toggle button is displaying “No” as in **Fig: Glucose & Electrolyte Abnormalities**, then “He/She didn’t have any episode of significant Hypoglycemia or Hyperglycemia/Hyponatremia or Hypernatremia/Hypokalemia or Hyperkalemia/Hypocalcemia or Hypercalcemia” should display in the report
- 1.16.2.4.** If Hyperglycemia is “Yes” and Insulin Therapy is “Yes”, then “He/She Hyperglycemia was managed as per our unit guideline with Insulin Therapy” should display in the report
- 1.16.3. Maximum Bilirubin**
- 1.16.3.1.** Maximum Bilirubin should be generated from NICU Admission -> Doctors daily entry form -> Gastrointestinal System -> Maximum Bilirubin
- 1.16.3.2.** Refer **Fig: Maximum Bilirubin**

The screenshot shows the Neonatal software interface. The top navigation bar includes 'Neonatal', 'Dashboard', 'Masters', 'Settings', and a user account. Below the dashboard, a horizontal menu bar lists: General Information, Respiratory System, Cardiovascular System, Gastrointestinal System (highlighted in blue), Central Nervous System, Renal, Fluid Balance & Bloods, Sepsis & Drugs, Invasive Lines, Skin, ROP & Plan, Notes, and Reassessment Sheet. On the left, a sidebar lists: REGISTRATION, NEONATE - BASIC ENTRY F..., NICU ADMISSION (selected), Admission Form, Doctors daily entry form (highlighted with a red arrow), NICU Discharge Details, Discharge Summary, NURSE DAILY ENTRY FORM, POSTNATAL ADMISSION, OP REGISTRATION, REPORTS, TESTS, CALCULATORS, and DELETE APPROVALS. The main content area displays various clinical parameters and a series of three circular sliders for assessing symptoms like Hepatomegaly, Splenomegaly, and Hernia. A red arrow points to the 'Doctors daily entry form' link in the sidebar. Another red arrow points to the 'Maximum Bilirubin (in last 24 hours)' input field.

Fig: Maximum Bilirubin

- 1.16.3.3.** If Maximum Bilirubin is entered in daycare sheet, then “His/Her Maximum Bilirubin was (maximum bilirubin value in the daycare sheet) mg/dl on day(day of life in general information i.e., maximum bilirubin values DOL)” should display in the report

1.17. Discharge Details

1.17.1. Total Serum Bilirubin

- 1.17.1.1.** Total Serum Bilirubin should be generated from NICU Admission -> NICU discharge details -> Checklist -> Total Serum Bilirubin

- 1.17.1.2.** Refer Fig: Total Serum Bilirubin

Discharge Details Checklist

Hb(g/dl): 15.1

PCV: 45.9

DCT:

Total Serum Bilirubin (mg/dl): 11.9

Direct Bilirubin (mg/dl):

Ca (mg/dl):

ROP Screening: N/A

Type of Treatment: [+ Add More](#)

Neurological Status: [N/A](#) [Normal](#) [Suspect](#) [Abnormal](#)

Feeding At Discharge: Fed DBF + EBM/Formula Top up

Fig: Total Serum Bilirubin

- 1.17.1.3.** If Total Serum Bilirubin value is entered, then “The discharge Bilirubin was (value) mg/dl”

1.17.2. Newborn Screen

- 1.17.2.1.** Newborn Screen should be generated from NICU Admission -> NICU discharge details -> Discharge details -> Newborn Screen
- 1.17.2.2.** Refer Fig: Newborn Screen

Discharge Details Checklist

Status: Discharged

Date of Discharge: 19-10-2014

Discharge Weight (In grams): 1775

DOL at Discharge: 15

OFC in cm:

Corrected Gestation: Weeks: 37 Days: 1

Newborn Screen: [N/A](#) [Sent](#) [Not Sent](#) [Normal](#) [Abnormal](#)

Hearing Screening: [N/A](#) [At 3 mths](#) [Not Indicated](#)

Fig: Newborn Screen

- 1.17.2.3.** If the Newborn Screen highlights “Not Sent”, then “Newborn Screening has not been sent” should display in the report
- 1.17.2.4.** If the Newborn Screen highlights “Sent”, then “Newborn Screen result awaited”
- 1.17.2.5.** If the Newborn Screen highlights “Normal/Abnormal”, then “The result of the newborn screen is normal/abnormal”

1.17.3. Communication with Parents

- 1.17.3.1.** Following statement should display in the report
- 1.17.3.2.** Parents were fully updated regarding his/her daily progress in the neonatal unit and they were provided with sufficient opportunities to clarify their questions

1.17.4. Investigations

1.17.4.1. Should be generated from NICU Admission -> NICU discharge details -> Checklist

1.17.4.2. Refer Fig: Investigations

The screenshot shows the Neonatal software interface. The left sidebar has a dark background with white text and icons. The 'NICU ADMISSION' section is expanded, showing 'Admission Form', 'Doctors daily entry form', 'NICU Discharge Details', and 'Discharge Summary'. The 'NICU Discharge Details' item is highlighted with a red arrow. The main content area has a light blue header with tabs: 'Discharge Details' (selected) and 'Checklist'. Below the tabs are several input fields with values: Hb(g/dl) 15.1, PCV 45.9, DCT (empty), Total Serum Bilirubin (mg/dl) 11.9, Direct Bilirubin (mg/dl) (empty), Ca (mg/dl) 9.5, Po4 (mg/dl) 5.6, ALP (IU/L) 160, and Na (mmol/l) 134. To the right are sections for 'ROP Screening' (N/A), 'Type of Treatment' (+ Add More), 'Neurological Status' (scale from N/A to Abnormal with 'Normal' highlighted in green), and 'Feeding At Discharge' (Fed DBF + EBM/Formula Top up). The top right corner shows user information: 'Masters', 'Settings', and 'manikandan'.

Fig: Investigations

1.17.4.3. Following table values should display their values at the time of discharge

1. Hemoglobin (Hb(g/dl))
2. Hematocrit (PCV)
3. Total Serum Bilirubin (mg/dl)
4. Calcium (Ca (mg/dl))
5. Phosphate (Po4 (mg/dl))
6. Alkaline Phosphatase (ALP (IU/L))
7. Sodium (Na (mmol/l))

1.17.4.4. This table should display in the report page with their values

1.17.5. Discharge Medication

1.17.5.1. Discharge details medications should generate from NICU Admission -> NICU discharge details -> Discharge details

1.17.5.2. Refer Fig: Medications

The screenshot shows the 'Neonatal' software interface. The left sidebar contains links for Registration, Neonate - Basic Entry Form, NICU Admission, Admission Form, Doctors daily entry form, NICU Discharge Details (highlighted with a red arrow), Discharge Summary, Nurse Daily Entry Form, Postnatal Admission, OP Registration, Reports, Tests, Calculators, and Delete Approvals. The main dashboard displays fields for DOL at Discharge (15), OFC in cm (30), Length in cm (44.5), Immunization status (N/A, Due, Given), Hearing Screening (N/A, At 3 mths, Not Indicated), Next Appointment (Yes), and Next Appointment Date (24-10-2014). Below these are sections for Vaccine (OPV, 18-10-2014) and Schedule (At birth). The 'Medications' section is expanded, showing a table with columns: Brand Name, Generic Name, Formulation/Strength, Dose, Frequency, and Duration. The table lists four items: Visyneral Zn Drops, Mashyne drops, Domstal Drops, and Ossopan D Syp., each with their respective details.

BRAND NAME	GENERIC NAME	Formulation/Strength	DOSE	FREQUENCY	DURATION
Visyneral Zn Drops		N/A	N/A	Once daily	1 year
Mashyne drops		N/A	5 drops	Once daily	1 year
Domstal Drops		N/A	2 drops	3 times daily	N/A
Ossopan D Syp.		N/A	1 ml	3 times daily	3 months

Fig: Medications

1.17.5.3. Following table should display their values at the time of discharge

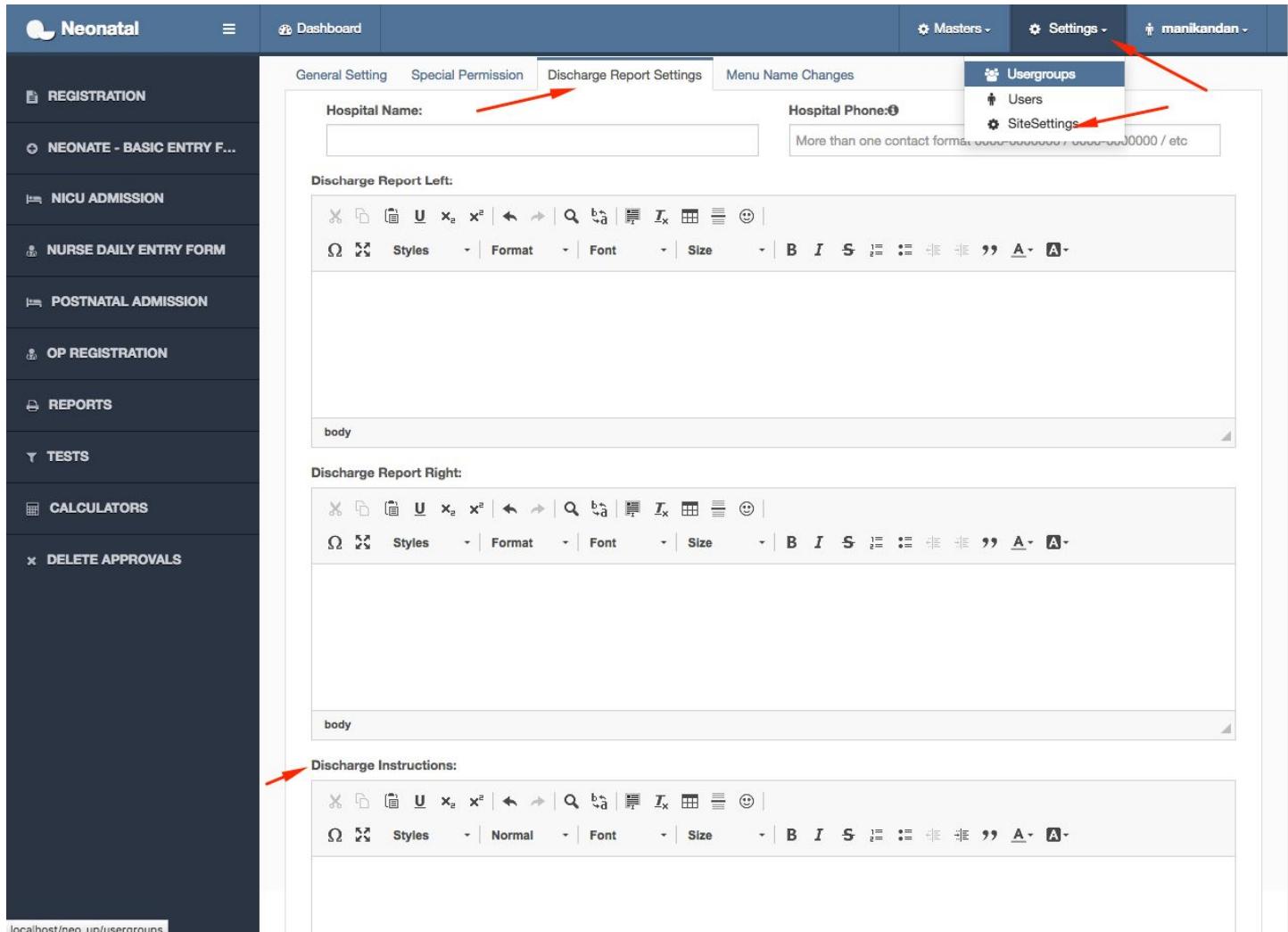
Brand Name	Generic Name	Formulation/Strength	Dose	Frequency	Duration

1.17.5.4. This table should display in the report page with their values

1.17.6. Discharge Instruction

1.17.6.1. Discharge instruction should be generated from Settings -> Site Setting -> Discharge Report Setting -> Discharge Instruction

1.17.6.2. Refer Fig: Discharge instruction

**Fig: Discharge instruction**

- 1.17.6.3.** Values entered in the Discharge instruction field, should display in the report under discharge instruction

1.17.7. Follow Up

- 1.17.7.1.** Next Appointment is a Follow Up values
- 1.17.7.2.** Next Appointment should be generated from NICU Admission -> NICU discharge details -> discharge details -> Next Appointment
- 1.17.7.3.** Refer Fig: Appointment

The screenshot shows the 'NICU Discharge Details' section of the software. On the left sidebar, 'NICU Discharge Details' is highlighted with a red arrow. The main form contains the following fields:

- Discharge Details:**
 - Status: Discharged
 - Date of Discharge: 19-10-2014
 - Discharge Weight (In grams): 1775
 - DOL at Discharge: 15
 - OFC in cm: 30
 - Length in cm: 44.5
 - Immunization: N/A (Grey), Due (Red), Given (Green)
 - Schedule: [Empty]
- Checklist:**
 - Corrected Gestation: Weeks: 37 Days: + 1
 - Newborn Screen: N/A (Grey), Sent (Yellow), Not Sent (Red), Normal (Green), Abnormal (Red)
 - Hearing Screening: N/A (Grey), At 3 mths (Red), Not Indicated (Green)
- Appointments:**
 - Next Appointment: Yes (Blue button)
 - Next Appointment Date: 24-10-2014
 - Next Appointment Time: N/A (dropdown menus)

Fig: Appointment

- 1.17.7.4. If the Next Appointment displays “Yes”, then “A neonatal outpatient appointment has been made on (Next Appointment Date refer Fig: Appointment)” should display in the report
- 1.17.7.5. If the Next Appointment displays “No”, then “Neonatal follow up has not been arranged with us and we recommend local pediatric follow up” should display in the report