



NICU ADMISSION DISCHARGE
SUMMARY DOCUMENT
VERSION 1.0

By
R.R.Mahendran

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 background with white icons and labels: REGISTRATION, Mother Registration, Baby Registration (highlighted with a red arrow), NEONATE - BASIC ENTRY FOR..., NICU ADMISSION, NURSE DAILY ENTRY FORM, POSTNATAL ADMISSION, OP REGISTRATION, REPORTS, TESTS, CALCULATORS, and DELETE APPROVALS. The main content area has a light blue header with 'Dashboard', 'Baby Registration', and 'Edit'. Below the header, there are input fields for Mr No (redacted), Baby Name (redacted), Birth Status (Outborn), DOB (13-10-2014), Birth Weight (2700 grams, 2.7 kilograms), Baby's Blood Group (Not Known), TOB (NVA, NVA, NVA), Multiple Pregnancy (No), Sex (N/A), Gestation (Weeks: redacted, Days: redacted), and two dropdown menus for consultants: 'Neonatal Consultant' (Dr Abirami Kuppurajan) and 'Paediatric Surgeon' (N/A). At the bottom are buttons for '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

The screenshot shows the 'Baby Registration' screen in the Neonatal software. The left sidebar has a dark theme with white text. The main area shows a form with the following fields:

- Mr No:** [Redacted]
- Baby Name:** [Redacted]
- DOB:** 13-10-2014
- TOB:** N/A (with three dropdown menus below)
- Multiple Pregnancy:** No
- Sex:** N/A
- Gestation:** Weeks: [Redacted] Days: [Redacted]

On the right side, there are more fields:

- Birth Status:** Outborn
- Birth Weight (in grams) (in kilograms):** 2700 2.7
- Baby's Blood Group:** Not Known
- Neonatal Consultant:** Dr Abirami Kuppurajan (with a remove button)
- + Add More**
- Paediatric Surgeon:** N/A

At the bottom are buttons: Save & Close, Update, and 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**

The screenshot shows the 'Discharge Details' screen in the Neonatal software. The left sidebar has a dark theme with white text. The main area shows a form with the following fields:

- Status:** Discharged
- Date of Discharge:** 04-11-2014
- Discharge Weight in gm:** 2738
- DOL at Discharge:** 9
- CorrectedGestation:** Weeks: 0 Days: 0
- Newborn Screen:** N/A Sent Not Sent Normal Abnormal (with a progress bar showing green for Normal)
- Hearing Screening:** (with a progress bar showing green for Normal)

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

Neonatal

REGISTRATION

Mother Registration

Baby Registration

NEONATE - BASIC ENTRY FORM...

NICU ADMISSION

NURSE DAILY ENTRY FORM

POSTNATAL ADMISSION

OP REGISTRATION

REPORTS

Dashboard

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**

Neonatal

REGISTRATION

NEONATE - BASIC ENTRY F...

Admission Form

NICU ADMISSION

NURSE DAILY ENTRY FORM

POSTNATAL ADMISSION

Dashboard

Neonatal Proforma

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 categories like '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 has tabs for 'Basics', 'Medical History', 'Pregnancy', 'Baby Details', 'Admission Details', 'Procedures', 'CRIB II', 'SNAPPE II', and 'Diagnosis'. Under the 'Basics' tab, there are fields for '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 to the 'IP Number:' field.

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 similar to the previous one, showing the 'Neonatal' software interface with the 'Admission Form' selected in the sidebar. The 'Basics' tab is active. The 'Admission Date' field is highlighted with a red arrow and contains the value '01-11-2014'. Other fields like Baby Name, Mr No., DOB, Type Of Care, and Birth Weight are also visible.

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

Dashboard > Baby Registration > Edit

Mr No: [REDACTED]

Baby Name: [REDACTED]

Birth Status: Outborn

DOB: 20-10-2014

TOB: 01 01 AM

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

Baby's Blood Group: A1 Positive

Neonatal Consultant:

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

Dashboard > Neonatal Proforma > Edit Form

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]

Baby's Blood Group: A1 Positive

DOB: 20-10-2014 Birth Order: N/A

TOB: 01 01 AM

Sex: Female

Birth Status: Outborn Birth Length(cm):

Birth Weight (in grams) (in kilograms): 2500 2.5 Birth Head Circumference(cm):

Gestation: Weeks: 37 Days: + 6 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' screen 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, 2 Seconds, Drowsy), and 'Skin' (Normal).

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' screen 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' tab is active. The 'Skin ICD:' field is empty, indicated by a red arrow. Below it, the 'Skin:' field contains the value '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' tab is active. The 'Rop ICD:' field is empty, indicated by a red arrow. Below it, the 'ROP:' field contains the value 'after 2 weeks'. The 'PLAN:' field is empty.

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 'REGISTRATION', 'NEONATE - BASIC ENTRY FOR...', 'NICU ADMISSION' (which is highlighted in red), 'Admission Form', 'Doctors daily entry form' (which is also highlighted in red), '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 highlighted in blue). Under the 'Diagnosis' tab, there are two sections: 'Differential Diagnosis' and 'Additional Diagnosis'. Each section contains a list of diagnoses with a delete icon next to each. Below these sections is a button labeled '+ Add More'.

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 'REGISTRATION', 'NEONATE - BASIC ENTRY FOR...', 'NICU ADMISSION' (which is highlighted in red), 'Admission Form', 'Doctors daily entry form' (which is also highlighted in red), '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 highlighted in blue), CRIB II, SNAPPE II, and Diagnosis. Under the 'Procedures' tab, there are several input fields: 'Initial X ray:' with a dropdown menu set to 'Performed', 'Chest X ray findings:' with a text input set to 'Normal', 'Abdominal X Ray findings:' with a text input set to 'Normal', 'SepsisScreen:' with a dropdown menu set to 'No', 'Indications:' (empty), 'IV Antibiotic:' with a dropdown menu set to 'N/A', and a '+ Add More' button.

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

Dashboard > NICU Admission > Edit For B/o Pavitra Netula 1400005557

Basics Medical History Pregnancy Baby Details Admission Details Procedures CRIB II SNAPPE II Diagnosis

Initial X ray: Performed

Chest X ray findings: Normal

Abdominal X Ray findings: Normal

UAC: No

SepsisScreen: No

Indications:

IV Antibiotic: N/A

+ Add More

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

Dashboard > NICU Admission > Edit For [REDACTED]

Basics Medical History Pregnancy Baby Details Admission Details Procedures CRIB II SNAPPE II Diagnosis

Initial X ray: Performed

Chest X ray findings:

Abdominal X Ray findings: Normal

UAC: No

SepsisScreen: No

Indications:

IV Antibiotic: N/A

+ Add More

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

Dashboard NICU Admission Edit For [REDACTED]

Basics Medical History Pregnancy Baby Details Admission Details Procedures CRIB II SNAPPE II Diagnosis

Initial X ray: Performed

Chest X ray findings:

Abdominal X Ray findings: Normal

UAC: Yes

UACPosition:

SepsisScreen: No

Indications:

IV Antibiotic: N/A

+ Add More

Investigations: TSB,Na,RFT

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

Dashboard NICU Admission Edit For [REDACTED]

Basics Medical History Pregnancy Baby Details Admission Details Procedures CRIB II SNAPPE II Diagnosis

Initial X ray: Performed

Chest X ray findings:

Abdominal X Ray findings: Normal

UAC: No

UVC: Yes

UVCPosition:

SepsisScreen: No

Indications:

IV Antibiotic: N/A

+ Add More

Investigations: TSB,Na,RFT

Fluids ml/kg/d:

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 options like Registration, NEONATE - BASIC ENTRY FOR..., NICU ADMISSION, Admission Form, Doctors daily entry form (with a red arrow), and NICU Discharge Details. The main area shows tabs for General Information, Respiratory System, Cardiovascular System (highlighted with a red arrow), Gastrointestinal System, Central Nervous System, Renal, Fluid Balance & Bloods, Sepsis & Drugs, Invasive Lines, Skin, ROP & Plan, Notes, and Reassessment Sheet. Below the tabs, there's a section for 'Cardiovascular ICD:' with a text input field, a question 'Are there any positive examination findings?', and buttons for N/A, No, and Yes. It also shows HR: 144 and CFT:

Fig: Cardio

The screenshot shows the Neonatal software interface. The left sidebar has the same options as before. The main area shows sections for Femoral Pulses (N/A), Precordial Activity (Present), and S1S2 (Normal). To the right, there's a section for ECHO with a slider labeled 'ECHO:' with options N/A, No, and Yes (with a red arrow). Below it is a section for ECHO Report with a text input field containing 'ND'.

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' button 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: 'Peripheral Cannula:' (N/A, No, Yes), 'UAC:' (N/A, No, Yes), 'PVC Number:' (empty input), 'PVC Complication:' (no), 'PAC:' (N/A, No, Yes), and 'PICC:' (N/A, No, Yes). Red arrows point to the 'Yes' button in the Peripheral Cannula section, the 'N/A' button in the PICC section, and the 'Yes' button in the PAC section.

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 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 has tabs for Renal, Fluid Balance & Bloods, Sepsis & Drugs (highlighted with a red arrow), Invasive Lines, Skin, ROP & Plan, Notes, and Reassessment Sheet. Under the Sepsis & Drugs tab, there are sections for Sepsis ICD, SEPSIS (set to 'No sepsis'), Other Drugs (four empty fields with delete icons), Organism (set to 'N/A'), and Lumbar puncture (with three options: Performed, Not Performed, and Not Indicated, where 'Not Performed' is highlighted with a blue circle). At the bottom, there is a toggle switch for 'Viral Meningitis/Encephalitis' set to 'Yes' (highlighted with a red arrow).

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

PVC Number:
Pvc Complication: no

UAC:
N/A No Yes

PAC:
N/A No Yes

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

PVC Number:
Pvc Complication: no

UAC:
N/A No Yes

PAC:
N/A No Yes

PICC:
N/A No Yes

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. On the left sidebar, under 'REGISTRATION', there is a red arrow pointing to the 'Doctors daily entry form' option. At the top, there is a navigation bar with tabs for 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 'Respiratory System' tab is selected. Below the tabs, there is a section titled 'Respiratory ICD:' with a large input field. Underneath it, a question asks 'Are there any positive examination findings?' with options 'N/A', 'No', and 'Yes'. A red arrow points to the 'Yes' button. To the right, there are several input fields and dropdown menus: 'Invasive Ventilation' (with 'N/A', 'Yes', and 'No' buttons), 'Type Of Blood Gas:' (dropdown set to 'Notdone'), 'Lactate' (input field), 'ET Tube' (with 'N/A', 'Yes', and 'No' buttons), 'SaO2 PostDuctal:' (input field with value '98'), 'Other RS Findings:' (input field with value 'NIL'), and 'Needle Thoracocentesis:' (button set to 'Yes'). A red arrow points to the 'Yes' button for needle thoracocentesis.

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 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:

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

Previous Weight (grams): 1697

RBS: 102

Glucose & Electrolyte Abnormalities:

Hypoglycemia: No

Current Weight (grams):

Fig: Renal

The screenshot shows the 'Doctors daily entry form' section of the software. It includes fields for Urine Output (value: -8.8), Hypernatremia (No), NICU Admission Details, Hypokalemia (No), Admission Form, Hyperkalemia (No), Doctors daily entry form (highlighted by a red arrow), Hypocalcemia (No), NICU Discharge Details (highlighted by a red arrow), Hypercalcemia (No), Discharge Summary (highlighted by a red arrow), Dilution Exchange (No), Nurse Daily Entry Form, Transfusion (No), Postnatal Admission, Product, OP Registration, Volume ml/kg, and Reports. The 'Renal Ultrasound' field has a blue 'Yes' button highlighted.

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. It includes fields for Mr No, Title (N/A), Initial, First Name, Last Name, DOB, Completed Years, Mother's Education Level (N/A), Partner Details (Title: N/A, Initial, First Name, Last Name, DOB, Completed Years, Father's Education Level: N/A, Occupation Type), and TESTS. The 'Mother Details' section is highlighted with a red arrow.

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 icons for Registration, NEONATE - BASIC ENTRY F..., Admission Form, NICU ADMISSION, NURSE DAILY ENTRY FORM, POSTNATAL ADMISSION, OP REGISTRATION, REPORTS, and TESTS. The top navigation bar includes Dashboard, Masters, Settings, and a user account. The main content area has tabs for Baby Details, Parental Details, Obstetric History, Pregnancy, Pregnancy Contd, Labour, Delivery, APGAR, and Resuscitation Details. The 'Pregnancy' tab is active. Sub-tabs include Essential Details and New Born Examination. Form fields include 'Conception' (dropdown, N/A), 'LMP' (text input), 'EDD by USG' (text input), 'EDD by Dates' (text input), 'Mother's Blood Group' (dropdown, A Negative), 'Booked:' (radio button, No), 'Supervised:' (radio button, No), 'Adjusted Risk for Trisomies available:' (radio 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 icons for Registration, NEONATE - BASIC ENTRY F..., Admission Form, NICU ADMISSION, NURSE DAILY ENTRY FORM, POSTNATAL ADMISSION, OP REGISTRATION, and REPORTS. The top navigation bar includes Dashboard, Masters, Settings, and a user account. The main content area has tabs for Baby Details, Parental Details, Obstetric History, Pregnancy, Pregnancy Contd, Labour, Delivery, APGAR, and Resuscitation Details. The 'Obstetric History' tab is active. Sub-tabs include Essential Details and New Born Examination. Form fields include 'Consanguinity' (radio button, No), 'Medical Problems' (dropdown, N/A), 'Medications/Dose/Frequency' (text area with an 'x' icon), 'Gravida' (text input with a red arrow), 'Para' (text input with a red arrow), 'Livebirth' (text input with a red arrow), and 'Abortion' (text input with a red arrow).

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

Neonatal

REGISTRATION

NEONATE - BASIC ENTRY ...

Admission Form

NICU ADMISSION

NURSE DAILY ENTRY FORM

POSTNATAL ADMISSION

Dashboard

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**

Neonatal

REGISTRATION

NEONATE - BASIC ENTRY ...

Admission Form

NICU ADMISSION

NURSE DAILY ENTRY FORM

POSTNATAL ADMISSION

Dashboard

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 'Neonatal', 'Dashboard', 'Masters', 'Settings', and a user account. The left 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 content area is titled 'Edit For [REDACTED]'. It displays the 'Pregnancy' tab, which contains fields for 'Complication' (set to 'N/A'), 'Treatment', '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). A red arrow points to the 'Admission Form' in the sidebar, and four red arrows point to the 'Dating Scan', 'Anomaly Scan', 'Any further scan?', and 'Doppler Scan' sections in the main form.

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**

Neonatal

Dashboard

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

Essential Details New Born Examination

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

Neonatal

Dashboard

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

Essential Details New Born Examination

Mode Of Delivery:

- Normal Vaginal

Indication:

- Fetal Bradycardia

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**

Ventilation Choose:

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 require 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 for REGISTRATION, NEONATE - BASIC ENTRY F..., NICU ADMISSION (selected), Admission Form, Doctors daily entry form, 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, and Renal, Fluid Balance & Bloods. Under Respiratory System, there are sub-tabs for Sepsis & Drugs, Invasive Lines (selected), Skin, ROP & Plan, Notes, and Reassessment Sheet. The 'Invasive Lines' tab has a 'Respiratory ICD:' field and a question 'Are there any positive examination findings?'. Below it is an 'Invasive Ventilation' section with a slider set to 'Yes'. To the right are fields for 'Type Of Blood Gas:', 'Lactate:', 'ET Tube:', 'SaO2 PostDuctal:', and 'Other RS Findings:'. A dropdown menu for 'Invasive Ventilation Type' lists: N/A, CMV, IMV, SIMV, PSV, A/C or PTV, and HFO. The 'N/A' option is currently selected.

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

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' (Notdone), 'Lactate' (empty), 'ET Tube' (N/A, Yes, No), and 'SaO2 PostDuctal' (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', and 'Renal, Fluid Balance & Bloods'. Under 'Respiratory System', sub-tabs include 'Sepsis & Drugs', 'Invasive Lines', 'Skin', 'ROP & Plan', 'Notes', and 'Reassessment Sheet'. The main content area is titled 'Respiratory ICD:' with a text input field. Below it, a question asks 'Are there any positive examination findings?' with options 'N/A', 'No', and 'Yes'. A horizontal selector for 'Invasive Ventilation' shows 'N/A' (grey), 'Yes' (green), and 'No' (grey). A dropdown menu 'Type Of Blood Gas:' shows 'Notdone'. A section for 'Lactate:' has an empty input field. Another horizontal selector for 'ET Tube:' shows 'N/A' (blue), 'Yes' (grey), and 'No' (grey). A final input field 'SaO2 PostDuctal:' contains the value '98'. On the left sidebar, under 'NEONATE - BASIC ENTRY F...', links include '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'.

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. The left sidebar has a dark blue background with white text and icons. It includes sections for REGISTRATION, NEONATE - BASIC ENTRY F..., NICU ADMISSION, and various forms like Admission Form, Doctors daily entry form, NICU Discharge Details, Discharge Summary, NURSE DAILY ENTRY FORM, and POSTNATAL ADMISSION. A red arrow points to the 'Admission Form' icon. The main area has a light blue header with 'Dashboard', 'NICU Admission', 'Edit Form' (which is highlighted with a red box), 'Masters', 'Settings', and 'manikandan'. Below the header is a navigation bar with tabs: Basics, Medical History, Pregnancy, Baby Details (which is highlighted with a red box), Admission Details, Procedures, CRIB II, SNAPPE II, and Diagnosis. The main content area is titled 'Description Of Resuscitation:' and contains a text input field with 'facial oxygen for 10sec'. To the right are fields for 'Air Flow During Transfer L/min:' and 'Oxygen Flow During Transfer L/min:', each with two input fields. Below this is a section for 'Post Resuscitation Care' with a 'Calculated FIO2% During Transfer:' field and an 'FiO2 Flow(L/min) During Transfer:' field, both with input boxes. Under 'Invasive Ventilation Required:' is a blue button labeled 'Yes'. Under 'Surfactant Given In Labour Room / Theatre:' is a dropdown menu with 'Yes' selected. Under 'Surfactant Type:' is another dropdown menu with 'N/A' selected.

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 fields for 'Respiratory ICD', 'Are there any positive examination findings?' (with options N/A, Yes, No), 'Invasive Ventilation' (with options N/A, Yes, No, highlighted with a red arrow), 'Type Of Blood Gas:' (set to Arterial), 'Last BG at:', 'pH:', 'PaO2:' (set to 26), and 'Ventilation Choose' (set to N/A). Red arrows also point to the 'Invasive Lines' tab in the top navigation and the 'Yes' button for ventilation.

Fig: RS

The screenshot shows the 'NICU Discharge Summary' application. On the left sidebar, under the 'NEONATAL' tab, the 'Doctors daily entry form' and 'NICU Discharge Details' options are highlighted with red arrows. The main form displays various respiratory parameters: PIP, PaO2 (26), PEEP, PaCO2, MAP (26), HCO3, FIO2 (26), BE, Ventilator Rate, Lactate, Frequency (Hz), ET Tube (Yes), IT in sec, Size in cm, Flow (L/min), Cm at Lips, Respiratory Indication, Surfactant therapy in the NICU (Yes), SaO2 PostDuctal (98), Indication For Surfactant, Baby's Respiratory Rate, and OI (26.0). A red arrow points to the OI value.

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 'Respiratory System' tab selected in the top navigation bar. On the left sidebar, there is a red arrow pointing to the 'Doctors daily entry form' option under the 'NICU ADMISSION' section.

Fig: RS

The screenshot shows the 'Respiratory Indication' dropdown menu open. A red arrow points from the left sidebar to the 'Doctors daily entry form' option. Another red arrow points from 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) and 'Newborn Screen' (Sent, Not Sent, Normal, Abnormal).

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. The left sidebar has a dark background with white icons and text. The main area has a light blue header 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 header are several tabs: Sepsis & Drugs, Invasive Lines, Skin, DP & Plan (highlighted in blue), Notes, and Reassessment Sheet. The main content area is titled 'Cardiovascular ICD:' and contains fields for HR (144), CFT (< 3 Seconds), Systolic BP (76), Diastolic BP (33), Mean BP (50), Pulse Pressure (Normal), Central Temperature (98.6), Peripheral Temperature, Color (N/A, Pale, Pink, Acral Cyanosis, Central Cyanosis), Central Pulses (N/A), Peripheral Pulses (N/A), and Inotropes (N/A). A red arrow points to the 'Inotropes' tab in the header. Another red arrow points to the 'N/A' option in the Inotropes 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 'R' & Plan button is also visible in this section.

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. The left sidebar has a dark theme with various links: 'REGISTRATION', 'NEONATE - BASIC ENTRY F...', 'NICU ADMISSION' (selected), '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 a 'Dashboard > NICU Admission > Edit Form' path. The 'Procedures' tab is selected. The 'Enteral Feeding' dropdown menu is open, showing 'Yes' (highlighted with a red arrow). Other visible fields include 'Initial X ray: Not done', 'UAC: No', 'UVC: No', 'SepsisScreen: Yes', 'Indications: prematurity', 'IV Antibiotic: Ampicillin + Cloxacillin / Amikacin', 'Investigations: CBC,CRP,blood c/s,blood gas', 'Fluids/Feeds ml/kg/d: 60', and 'Enteral Feeding: Yes'.

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 (selected)

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

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

Gastrointestinal ICD: [Text input field]

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

Directly breast feed ? **No**

Other Type Of Feeds ? **No**

Volume: [Text input field]

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: **N/A** **No** **Yes** (highlighted with a red circle)

Carbohydrates (g/kg/day): [Text input field]

Amino Acid (g/kg/day): [Text input field]

Fat(g/kg/day): [Text input field]

Total Energy (kcal/kg/day): [Text input field]

Aspirate Volume: **0**

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 'Sepsis & Drugs', 'Invasive Lines', 'Skin', 'ROP & Plan', 'Notes', and 'Reassessment Sheet'. A red arrow points to the 'Reassessment Sheet' tab. Below these fields, there is a section for 'Gastrointestinal ICD:' with a text input field. Further down, there are questions like 'Are there any positive examination findings?' with options 'N/A', 'No', and 'Yes', and 'Directly breast feed?' with options 'Yes' (highlighted in blue) and 'No'. To the right, there are sections for 'Umbilicus:' (Healthy), 'Hepatomegaly:' (N/A, No, Yes), and a frequency dropdown set to 'N/A'.

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' page. On the left sidebar, there are several 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 content area displays various patient findings with a color-coded scale from grey to green. The 'Abdomen' section has categories: N/A, Normal, Scaphoid, and Distended. The 'Bowel Sounds' section has categories: N/A, Normal, Increased, Decreased, and Absent. The 'Abdominal Girth' section has a text input field containing 'NIL'. The 'Other PA Findings' section has a text input field containing 'NIL'. The 'NEC' section has categories: N/A, Yes (highlighted with a red arrow), and No. The 'NEC treatment' section has a dropdown menu set to 'N/A'. At the bottom are buttons for '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 tabs for General Information, Respiratory System, Cardiovascular System, Gastrointestinal System (which is highlighted in blue), Central Nervous System, Renal, Fluid Balance & Bloods, Sepsis & Drugs, Invasive Lines, Skin, ROP & Plan, Notes, and Assessment Sheet. On the left sidebar, under the NICU ADMISSION section, the 'Doctors daily entry form' option is highlighted with a red arrow. On the right side of the main panel, there's a section for 'Gastrointestinal ICD:' with fields for examination findings, feeding type, and volume. Below this are sections for Umbilicus, Hepatomegaly, Splenomegaly, Hernia, Genitalia, and Maximum Bilirubin. A specific section for 'Full Enteral Feeds' is shown with three status options: N/A, Reached (highlighted in green), and Not Reached.

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 Neonatal software interface. The left sidebar has a dark background with white text and icons. It lists several sections: 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 main content area has a light blue header with tabs: General Information, Respiratory System, Cardiovascular System, Gastrointestinal System, Central Nervous System, and Renal, Fluid Balance & Bloods (highlighted with a red arrow). Below the header are sub-tabs: Sepsis & Drugs, Invasive Lines, Skin, ROP & Plan, Notes, and Reassessment Sheet. The main form contains fields for Fluid Balance ICD, Total Fluid ml/kg/d (60), Previous Weight (grams) (1697), Current Weight (grams) (1548, highlighted with a red arrow), 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

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

manikandan

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

Pupils:

Neonatal Reflexes:
Normal

Other CNS Findings:
NIL

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 shows fields for DCT, Total Serum Bilirubin, Direct Bilirubin, Ca, Po4, ALP, Na, and Home Oxygen. It also features three horizontal slider scales for Neurological Status (N/A, Normal, Suspect, Abnormal), Feeding At Discharge (N/A), and Discharge Neurosonogram (N/A, Normal, Abnormal, Not Indicated). The 'Normal' button is highlighted with a red arrow.

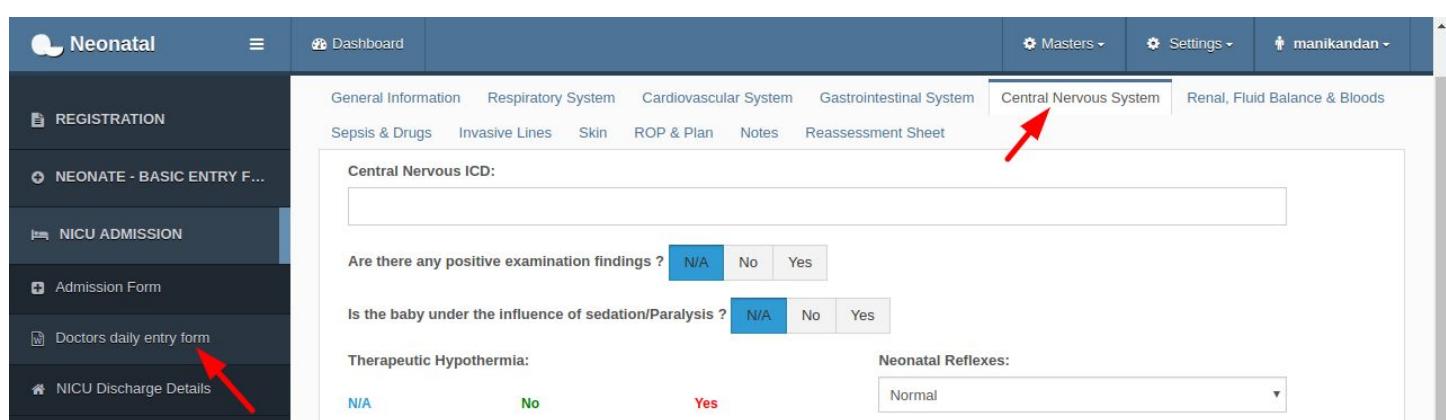
Fig: Neurosonogram

- 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 navigation bar with the following items: 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 window has a top navigation bar with tabs: Dashboard, Masters, Settings, and manikandan. Below this, there are several other tabs: General Information, Respiratory System, Cardiovascular System, Gastrointestinal System, Central Nervous System (which is highlighted with a red arrow), Sepsis & Drugs, Invasive Lines, Skin, ROP & Plan, Notes, and Reassessment Sheet. The Central Nervous System tab is currently active. The main content area contains sections for Central Nervous ICD, examination findings, sedation/paralysis status, therapeutic hypothermia, and neonatal reflexes.

Fig: Central Nervous System

Is the baby under the influence of sedation/Paralysis ?

Therapeutic Hypothermia:

Neonatal Reflexes:

Other CNS Findings:

Pupils:

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 contains a vertical list of 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 content area is titled 'Sepsis & Drugs' and includes tabs for General Information, Respiratory System, Cardiovascular System, Gastrointestinal System, Central Nervous System, Renal, Fluid Balance & Bloods, Sepsis ICD:, Invasive Lines, Skin, ROP & Plan, Notes, and Reassessment Sheet. The 'Sepsis ICD:' section has a dropdown menu set to 'No sepsis'. To the right, there are sections for 'Other Drugs' (with four empty input fields and 'X' close buttons) and 'Organism' (dropdown set to 'N/A'). Below these are sections for 'Lumbar puncture:' with radio buttons for 'Performed' (grey), 'Not Performed' (blue), and 'Not Indicated' (grey). At the bottom are buttons for 'Update & Close', 'Update', 'Print' (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

The screenshot shows the 'NICU Discharge Details' page. On the left sidebar, under 'NICU ADMISSION', the 'NICU Discharge Details' link is highlighted with a red arrow. In the main content area, there is a 'Checklist' tab. Under 'Neurological Status', there is a horizontal scale with four circles: 'N/A' (grey), 'Normal' (green), 'Suspect' (orange), and 'Abnormal' (red). The 'Normal' circle is highlighted with a red arrow.

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

The screenshot shows the 'Sepsis & Drugs' page. On the left sidebar, under 'Doctors daily entry form', the link is highlighted with a red arrow. In the main content area, there is a 'Sepsis ICD:' field and a 'SEPSIS:' dropdown menu. The 'Probable' option is selected in the dropdown, highlighted with a blue background. To the right, there is a 'Other Drugs' section with four empty input fields and 'X' icons.

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. The left sidebar has a dark background with various menu items. The main area has a light blue header with tabs like 'Dashboard', 'Masters', 'Settings', and 'manikandan'. Below the header, there's a navigation bar with tabs: 'General Information', 'Respiratory System', 'Cardiovascular System', 'Gastrointestinal System', 'Central Nervous System', 'Renal, Fluid Balance & Bloods', 'Sepsis & Drugs' (which is highlighted), 'Invasive Lines', 'Skin', 'ROP & Plan', 'Notes', and 'Reassessment Sheet'. The 'Sepsis & Drugs' tab is active. On the right, there's a form for 'SEPSIS' with a dropdown set to 'Probable'. To the right of this is a section for 'Other Drugs' with four empty input fields and a 'x' button next to each. Below these is a '+ Add More' button. At the bottom of the form is a 'Organism:' section with a dropdown menu open. The dropdown menu lists several bacterial and fungal species, with 'N/A' at the top. The 'E.coli' option is highlighted. To the right of the dropdown are two status indicators: 'med' and 'Not Indicated' with a grey circle. At the bottom of the form are three buttons: 'Update & Close', 'Update', and 'Cancel'.

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 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 'Sepsis & Drugs' and 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:' section is empty. Below it, the 'SEPSIS:' dropdown shows 'No sepsis'. The 'Other Drugs' section has four empty input fields with 'X' icons. A '+ Add More' button is available. The 'Organism:' dropdown shows 'N/A'. Another '+ Add More' button is available. The 'Lumbar puncture:' section has three buttons: 'Performed' (grey), 'Not Performed' (blue), and 'Not Indicated' (grey). The 'Viral Meningitis/Encephalitis:' section shows a blue button labeled 'Yes' with a red arrow pointing to it. 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

ROP Screening:

- N/A
- Not Indicated
- Performed
- To be performed as outpatient

Neurological Status:

- N/A
- Normal
- Suspect
- Abnormal

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

Discharge Details Checklist

Hb(g/dl): 15.1

PCV: 45.9

DCT:

Total Serum Bilirubin (mg/dl): 11.9

Direct Bilirubin (mg/dl):

ROP Screening: Performed

ROP Screening Result: N/A

ROP Treatment: No

ROP Follow Up: Yes

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

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 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 top navigation bar includes tabs for Dashboard, Masters, Settings, and a user account. 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. Below these are fields for Total Fluid ml/kg/d, Previous Weight (grams), Current Weight (grams), Weight Change (grams), Percentage Change, Urine Output, and Drain Output. 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, Dilution Exchange, and Transfusion), and a 'Blood Out' section.

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

Neonatal

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

Fluid Balance ICD:

Total Fluid ml/kg/d: 60

RBS: 102

Previous Weight (grams): 1697

Glucose & Electrolyte Abnormalities:

Current Weight (grams): 1548

Weight Change (grams): -149

Percentage Change: -8.8

Urine Output:

N/A Passed Not Passed Unmeasurable

UO ml (in 24 hours):

UO ml/ka/h:

Hypoglycemia: No

Hyperglycemia: No

Insulin Therapy: No

Hyponatremia: No

Hypernatremia: No

Hypokalemia: No

Hyperkalemia: No

Hypocalcemia: No

Hypercalcemia: No

Dilution Exchange: 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 has tabs for 'General Information', 'Respiratory System', 'Cardiovascular System', 'Gastrointestinal System' (which is highlighted in blue), 'Central Nervous System', and 'Renal, Fluid Balance & Bloods'. Under 'Gastrointestinal System', there are sub-links for 'Sepsis & Drugs', 'Invasive Lines', 'Skin', 'ROP & Plan', 'Notes', and 'Reassessment Sheet'. A red arrow points from the left sidebar to the 'Doctors daily entry form' link. On the right, there's a form for 'Gastrointestinal ICD' with fields for examination findings, feeding type, and various clinical parameters like Umbilicus, Hepatomegaly, and Liver Span, each with a green 'Yes' button. A 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 'NICU Discharge Details' section of the Neonatal software. On the left sidebar, under 'NICU ADMISSION', 'Discharge Summary' is selected. The main area displays various laboratory test results:

- 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
- Po4 (mg/dl): 5.6
- ALP (IU/L): 160
- Na (mmol/l): 134

Other sections visible include 'ROP Screening' (N/A), 'Type of Treatment' (+ Add More), 'Neurological Status' (Normal), and 'Feeding At Discharge' (Fed DBF + EBM/Formula Top up).

Fig: Investigations

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

Hemoglobin (Hb(g/dl))

Hematocrit (PCV)

Total Serum Bilirubin (mg/dl)

Calcium (Ca (mg/dl))

Phosphate (Po4 (mg/dl))

Alkaline Phosphatase (ALP (IU/L))

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 top navigation bar includes 'Neonatal', 'Dashboard', 'Masters', 'Settings', and a user 'manikandan'. The left sidebar has links for 'REGISTRATION', 'NEONATE - BASIC ENTRY F...', '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' (highlighted with a red arrow). The main content area displays various patient details like 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), and appointment information. Below this is a 'Medications' section with a table:

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

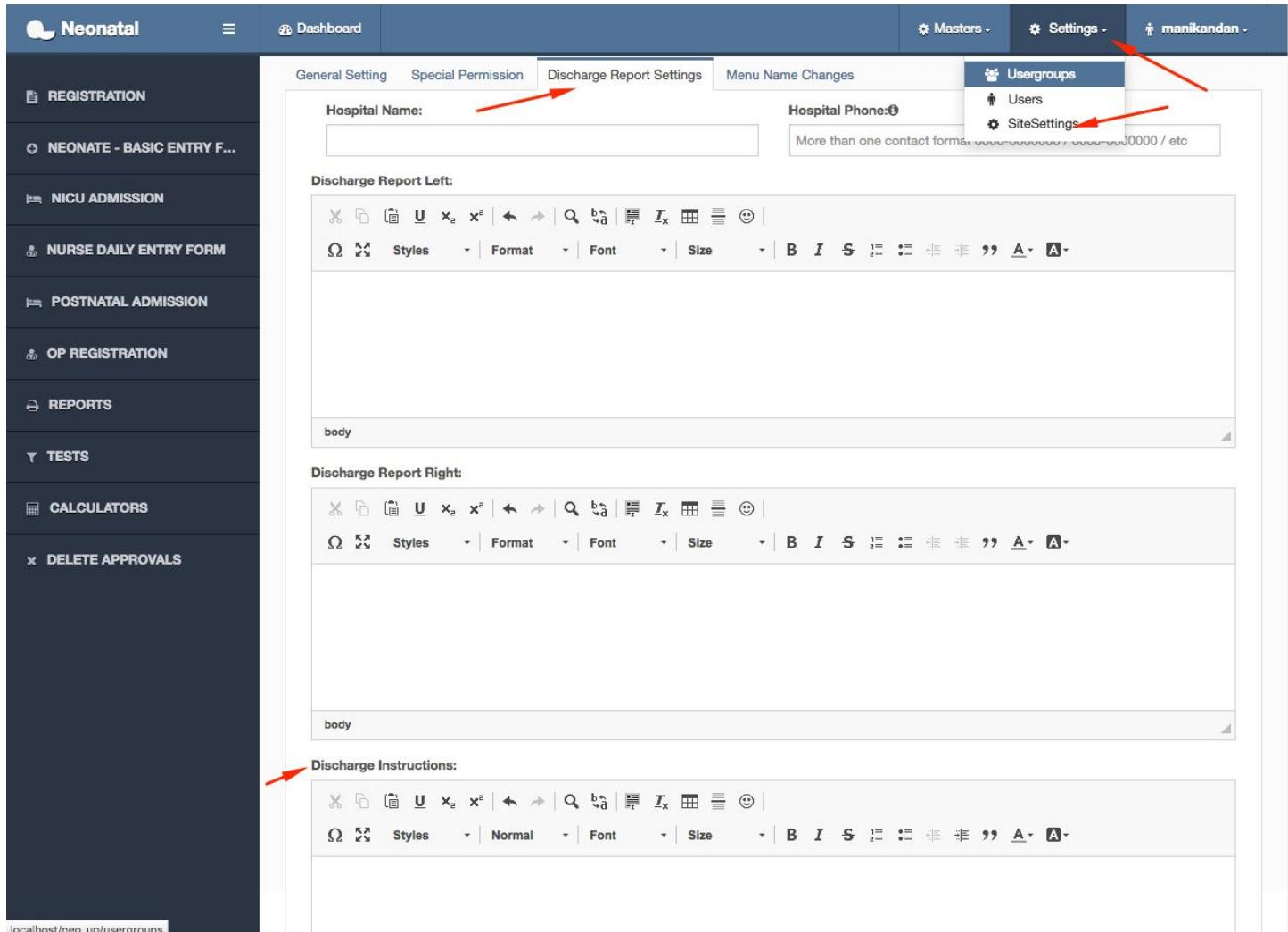
Brand Name	Generic Name	Formulation/Strength	Dose	Frequency	Duration

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

Neonatal Dashboard Masters Settings manikandan

REGISTRATION

NEONATE - BASIC ENTRY F...

NICU ADMISSION

Admission Form

Doctors daily entry form

NICU Discharge Details (highlighted by a red arrow)

Discharge Summary

NURSE DAILY ENTRY FORM

POSTNATAL ADMISSION

OP REGISTRATION

REPORTS

TESTS

CALCULATORS

Discharge Details Checklist

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 Due Given

Schedule:

Corrected Gestation: Weeks: 37 Days: + 1

Newborn Screen: N/A Sent Not Sent Normal Abnormal

Hearing Screening: N/A At 3 mths Not Indicated

Next Appointment: Yes

Next Appointment Date: 24-10-2014

Next Appointment Time: N/A N/A N/A

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