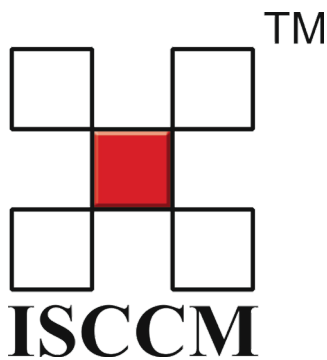


**Salt based Or baLanced solUtion.  
Trends Existing in Indian intensive  
care units. A multicenter prospective  
observational cohort study (SOLUTE  
study)**

**An ISCCM Research Project**



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# CASE RECORD FORM

## I. BASELINE CHARACTERISTICS

1. Gender:             Male                       Female
2. Age \_\_\_\_\_ Years
3. Approximate Weight: \_\_\_\_\_ Kg
4. *Co-morbidities*  
  
 Chronic Pulmonary disease     Chronic cardiac disease     Malignancy  
 Chronic liver disease     Therapeutic Immunosuppression     None
5. *Source of admission to ICU*  
  
 Operation theatre    **If yes:**  
     After elective surgery       After emergency surgery  
 Emergency department  
 Hospital floor (not from other ICU within hospital)  
 Another ICU within the hospital
- 5a. Post-operative admission diagnosis (**will open only if operative case**)  
 Cardiovascular     Gastrointestinal     Gynaecological     Hepatic  
 Neurosciences     Orthopaedic     Respiratory     Renal  
 Endovascular     Unclassified
- 5b. Non-operative admission diagnosis (**will open only if non-operative case**)  
 Cardiovascular     Gastrointestinal     Respiratory     Hepatic     Renal  
 Neurological     Trauma     Metabolic     Hematological  
 Unclassified

- 6. APACHE II on ICU admission:
- 7. SOFA Score on ICU admission:
- 8. Baseline Serum Creatinine: \_\_\_\_\_ mg/dL

**II. INTERVENTION DETAILS**

**1. Fluid administered in last 24 hours before ICU admission**

- 0.9% / 0.45% Normal Saline                      Volume: \_\_\_\_\_
- Ringer's Lactate    Volume: \_\_\_\_\_
- Balanced solution    Volume: \_\_\_\_\_
- Dextrose containing    Volume: \_\_\_\_\_
- Colloids    Volume: \_\_\_\_\_
- Blood products    Volume: \_\_\_\_\_
- TPN    Volume: \_\_\_\_\_
- Details not available

**2. Fluid administration details for Day 1**

- 0.9/0.45% NS      Bolus \_\_\_\_\_ ml    Maintenance \_\_\_\_\_ ml    Replacement \_\_\_\_\_ ml
- RL                      Bolus \_\_\_\_\_ ml    Maintenance \_\_\_\_\_ ml    Replacement \_\_\_\_\_ ml
- 5% /10% D              Bolus \_\_\_\_\_ ml    Maintenance \_\_\_\_\_ ml    Replacement \_\_\_\_\_ ml
- Balanced Sol.              Bolus \_\_\_\_\_ ml    Maintenance \_\_\_\_\_ ml    Replacement \_\_\_\_\_ ml
- Colloids                      Bolus \_\_\_\_\_ ml    Maintenance \_\_\_\_\_ ml    Replacement \_\_\_\_\_ ml
- TPN \_\_\_\_\_ ml
- No fluid administered

**3. Fluid administration details for Day 2**

- 0.9/0.45% NS Bolus \_\_\_\_\_ml Maintenance \_\_\_\_\_ml Replacement \_\_\_\_\_ml
- RL Bolus \_\_\_\_\_ml Maintenance \_\_\_\_\_ml Replacement \_\_\_\_\_ml
- 5% /10% D Bolus \_\_\_\_\_ml Maintenance \_\_\_\_\_ml Replacement \_\_\_\_\_ml
- Balanced Sol. Bolus \_\_\_\_\_ml Maintenance \_\_\_\_\_ml Replacement \_\_\_\_\_ml
- Colloids Bolus \_\_\_\_\_ml Maintenance \_\_\_\_\_ml Replacement \_\_\_\_\_ml
- TPN \_\_\_\_\_ml
- No fluid administered

**4. Fluid administration details on Day 3**

- 0.9/0.45% NS Bolus \_\_\_\_\_ml Maintenance \_\_\_\_\_ml Replacement \_\_\_\_\_ml
- RL Bolus \_\_\_\_\_ml Maintenance \_\_\_\_\_ml Replacement \_\_\_\_\_ml
- 5% /10% D Bolus \_\_\_\_\_ml Maintenance \_\_\_\_\_ml Replacement \_\_\_\_\_ml
- Balanced Sol. Bolus \_\_\_\_\_ml Maintenance \_\_\_\_\_ml Replacement \_\_\_\_\_ml
- Colloids Bolus \_\_\_\_\_ml Maintenance \_\_\_\_\_ml Replacement \_\_\_\_\_ml
- TPN \_\_\_\_\_ml
- No fluid administered

**5. Urine output:**

Day 1: \_\_\_\_\_ml

Day 2: \_\_\_\_\_ml

Day 3: \_\_\_\_\_ml

**6. Fluid balance details**

Day 1: \_\_\_\_\_ml

Day 2: \_\_\_\_\_ml

Day 3: \_\_\_\_\_ml

**7. Worst Laboratory values**

Hb: Day 1: \_\_\_\_\_ Day 2: \_\_\_\_\_ Day 3: \_\_\_\_\_  
Urea: Day 1: \_\_\_\_\_ Day 2: \_\_\_\_\_ Day 3: \_\_\_\_\_  
Creat: Day 1: \_\_\_\_\_ Day 2: \_\_\_\_\_ Day 3: \_\_\_\_\_  
Sodium: Day 1: \_\_\_\_\_ Day 2: \_\_\_\_\_ Day 3: \_\_\_\_\_

**8. Worst ABG values:**

pH: Day 1: \_\_\_\_\_ Day 2: \_\_\_\_\_ Day 3: \_\_\_\_\_  
pCO<sub>2</sub>: Day 1: \_\_\_\_\_ Day 2: \_\_\_\_\_ Day 3: \_\_\_\_\_  
pO<sub>2</sub>: Day 1: \_\_\_\_\_ Day 2: \_\_\_\_\_ Day 3: \_\_\_\_\_  
HCO<sub>3</sub>: Day 1: \_\_\_\_\_ Day 2: \_\_\_\_\_ Day 3: \_\_\_\_\_  
Lactate: Day 1: \_\_\_\_\_ Day 2: \_\_\_\_\_ Day 3: \_\_\_\_\_  
BE: Day 1: \_\_\_\_\_ Day 2: \_\_\_\_\_ Day 3: \_\_\_\_\_

**9. SOFA Score:** Day 1: \_\_\_\_\_ Day 2: \_\_\_\_\_ Day 3: \_\_\_\_\_

**10. Evidence of sepsis as per SEPSIS-3 definition:**  Yes  No

**III. OUTCOME DETAILS**

**1. Renal Replacement Therapy required**

Yes  No

**2. Indications of RRT**

- Fluid overload
- Metabolic acidosis with ph < 7.2
- Hyperkalemia, K+ > 6.0
- Blood urea nitrogen > 75 mg/dl
- Oliguria with urine output < 400ml/24 hours
- Non-renal indications

**3. Worst Renal outcomes as per RIFLE criteria**

- Day 1:  Risk  Injury  Failure  Loss  End stage  
Day 2:  Risk  Injury  Failure  Loss  End stage  
Day 3:  Risk  Injury  Failure  Loss  End stage

**4. Renal outcome as per KDIGO criteria**

- Day 1:  Stage 1  Stage 2  Stage 3  
Day 2:  Stage 1  Stage 2  Stage 3  
Day 3:  Stage 1  Stage 2  Stage 3

**5. Need for blood transfusion**

- Yes  No

6. ICU LOS: \_\_\_\_\_ days

7. Hospital LOS: \_\_\_\_\_ days

8. **Status of patient at the time of ICU discharge** (or upto day 28 whichever is early)

- Dead  Alive

9. **Status of patient at the time of hospital discharge** (or upto day 28 whichever is early)

- Dead  Alive