Supplement 2 (CRF)

INVESTIGATOR REGISTRATION FORM

Name of the Institute

City

First name

Last name

Email

Mobile No

Does the institute have screening for sepsis in high risk adult patient? ○ Yes ○ No

Does the institute have a written SOP for initial resuscitation of Septic patient ? ○ Yes ○ No

Does the institute have a sepsis team? Appendix 1 ○ Yes ○ No

Does the institute have performance improvement program and periodic audit on sepsis ? ○ Yes ○ No

Create Password

Re-Enter Password

Case Record Form

SECTIONS

II | III | IV | V | VI | VII | VIII | IX | X | XI

Section II. Inclusion critteria

Is there an evidence of infection?* ◉ Yes ○ No

Clinical Criteria: Others (Specify)

Specify details (clinical criteria): Unknown

Current SOFA score (2 or more) *

Cardiovascular Value : MAP<70 mmHg

Respiratory Value (PaO2/FIO2, mmHg): <400 (53.3)

CNS Value (Glasgow Coma Scale): 13-14

Coagulation Value(Platelets X 10^3 μL^{-1}) : <50

Hepatic Value(mg dL^{-1}) : <1.2 (20)

Renal Value(Creatinine mg dL^{-1} or Urine output mL per day) : 1.2-1.9 (110-170)

Total Score : 7.00

Baseline SOFA score ○ Known ◉ Not known

Is QSOFA (On the day of sepsis diagnosis) available? (•) Yes ( ) No

Respiratory rate > 22pm : (•) Yes ( ) No

Systolic Blood pressure < 100 mmHg : (•) Yes ( ) No

GCS Value < 15 : (•) Yes ( ) No

Number of QSOFA criteria met: 3

Is SIRS criteria : (On the day of sepsis diagnosis) available? (•) Yes ( ) No

Temperature > 38.3C r < 36 C : ( ) Yes (•) No

Heart rate >90bpm : (•) Yes ( ) No

Respiratory rate >20pm : (•) Yes ( ) No

White count <4 or >12 g/l : (•) Yes ( ) No

Number of SIRS criteria met : 3

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SECTIONS

II III IV V VI VII VIII IX X XI

Section III. Patient demographics

Age (Years) * 84

Gender * Male

Actual Height (M): 1.7

Approximate Weight (KG): 68

BMI (Wt/Ht^2): 20.00

Date of Hospital admission: * 10/01/2023

Time of Hospital admission: 17:21

Was infection primary reason for admission to Hospital : ( ) Yes (•) No

Location at sepsis diagnosis: ( ) Ward (•) ICU ( ) Others

Date of ICU admission: * 18/01/2023

Type of ICU admission: * ( ) Medical ( ) Elective surgery ( ) Emergency surgery

Was infection primary reason for admission to ICU: ( ) Yes (•) No

If in ICU transferred from : * ☐ Emergency ☑ Hospital ward ☐ Operation theatre ☐ Another Hospital ☐ Others (Specify)

Time to transfer to ICU from Emergency (Minutes) : 192 mins

Site of Infection (Can select multiple options) : *

☐ Lung ☐ Blood ☐ Urinary tract ☐ Gynaecologic
☐ Intra-abdominal ☐ Skin or skin structure ☐ CNS ☐ Cardiac
☐ Bone/joint ☐ Head/ears/eyes/nose/throat ☐ Pleural ☑ Infection suspected but source unknown
☐ Others (Specify)

Suspected origin of infection :* (•) Community acquired ( ) Hospital acquired ( ) ICU acquired

Comorbidities (Can select multiple options)*

☐ Asthma ☐ COPD ☐ Diabetes Mellitus ☐ Solid neoplasm
☐ Metastatic ☐ Non-metastatic ☐ Unknown ☑ Hematologic malignancy
☐ Heart failure (NYHA III-IV) ☐ Ischemic heart disease ☑ Arterial hypertension ☐ Chronic kidney disease
☐ Chronic liver disease ☐ Neuromuscular disease ☐ Obstructive Sleep Apnoea Syndrome (use of nocturnal CPAP) ☐ Obstructive Sleep Apnoea Syndrome (no use of nocturnal CPAP)
☐ Interstitial lung disease ☐ Surgery in last 4 weeks ☐ Neuro ☐ GI
☐ Cardiac ☐ Orthopedic ☐ Gynac ☐ Plastic
☐ None ☑ Others (Specify)

Hypothyroidism, CVA

Risk factor for infection with resistant organism : (•) Known ( ) Not Known

☑ Prior Health care exposure in previous three months ☐ Prior antibiotic use in previous three months
☐ Prior infection/colonisation with resistant organism

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SECTIONS

II | III | IV | V | VI | VII | VIII | IX | X | XI

Section IV. Clinical details at the time of sepsis diagnosis

Systolic BP <90/ MAP less than 65 mmHg : (•) Yes ( ) No

Septic shock at presentation :* (•) Yes ( ) No

Developed later : ( ) Yes (•) No

Time of shock after sepsis diagnosis (Hours) : NA

Clinical features of hypoperfusion : (•) Yes ( ) No

Capillary refill time(Second) : 6 secs

Skin mottling : (•) Yes ( ) No

Cold , Clammy skin : (•) Yes ( ) No

Low urine output (less than 0.5 ml/kg/hr for six hours) : (•) Yes ( ) No

APACHE Score(on admission) : * (•) APACHE II ( ) Not known 18

Organ support (at the time of sepsis diagnosis) * [ ] Ventilation [ ] Dialysis [x] Others (Specify)

Peripheral line

Case Record Form

SECTIONS

II | III | IV | V | VI | VII | VIII | IX | X | XI

Section V. Initial Resucitation

Amount of fluid infused in one hour (ml): 500 **Amount of fluid infused in 3 hours(ml):** 1000

Type of fluid(predominant) : [x] Normal saline [ ] Ringers [ ] Balanced [ ] Gelatin [ ] Starch

Albumin

Albumin used in first three hours : ( ) Yes (•) No

Cultures

Blood culture sent : * ( ) Yes (•) No

Lactate (Mmol/l)

Lactate Level done(mmol/l) : * (•) Yes ( ) No 3

Done within one hour of presentation : * (•) Yes ( ) No

Repeat lactate (minutes): ( ) Yes (•) No

Vasopressor

Vasopressor : * ◉ Yes ○ No ☑ Norepinephrine (mcg/kg/min) ☐ Epinephrine(mcg/kg/min) ☐ Vasopressin(Units/hr) ☐ Dopamine(mcg/kg/min)

Vasopressor 1:	**Vasopressor 2:**	**Vasopressor 3:**
norad	na	na

Maximum dose of vasopressor 1:	1	**Duration of Vasopressor 1(Hr):**	18 hrs
Maximum dose of vasopressor 2:	na	**Duration of Vasopressor 2(Hr):**	na
Maximum dose of vasopressor 3:	na	**Duration of Vasopressor 3(Hr):**	na

Vasopressin started at what dose of norepie : na

Route of administration : ◉ Peripheral ○ Central ○ Both

MAP at start of Vasopressor : 90

Inotropes *

Inotropes : ○ Yes ◉ No *

Hemodynamic monitoring

Hemodynamic monitoring : * ◉ Yes ○ No

☐ CVP ☐ Arterial line ☑ TTE ☐ PA catheter

☐ Aortic doppler ☐ Non Calibrated Pulse Contour (Vigelio/Flotrac) ☐ Calibrated Pulse Contour (Volume view)

Source Control : * ○ Yes ◉ No

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SECTIONS

II III IV V VI VII VIII IX X XI

Section VI. Antibiotic

Empirical Antibiotic given (Generic name): * ◉ Yes ○ No

Antibiotic 1 (Generic name):	Ceftazidime/Aviba
Antibiotic 2 (Generic name):	NA
Antibiotic 3 (Generic name):	NA
Any Other Antibiotic :	NA

Time in hours of first dose of an appropriate antibiotic : 3.5 hrs

Empiric choice of Antibiotic correct(applicable for culture positive cases) : ○ Yes ◉ No

Antibiotic given as extended /continuous infusion : ◉ Yes ○ No 4 hrs

Loading dose used : ◉ Yes ○ No

Change of antibiotic once culture available : * ○ Yes ◉ No

Duration of targeted antibiotic (days): * 1 day

Total duration of antibiotic (Empirical +Targeted) : * 1 day

Was TDM performed : ○ Yes ◉ No

Renal adjustment done : ◉ Yes ○ No

Antifungal

Empirical antifungal : * ○ Yes ◉ No

Antiviral

Antiviral : ○ Yes ◉ No

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Case Record Form

SECTIONS

II III IV V VI VII VIII IX X XI

Section VII. Antimicrobial therapy

Results of culture sent at the time of suspected sepsis *

Culture 1 : ○ Positive ◉ Negative

Culture 2 : ○ Positive ◉ Negative

Culture 3 : ○ Positive ◉ Negative

Is sepsis attributed to infection with the organism cultured : ○ Yes ◉ No

Multiplex PCR sent : ○ Yes ◉ No

Resistance gene detected : ○ Yes ◉ No

Any Micobial antigen sent : ○ Yes ◉ No

Galactomannan sent : ○ Yes ◉ No

Beta D glucan sent : ○ Yes ◉ No

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Case Record Form

SECTIONS

II | III | IV | V | VI | VII | VIII | IX | X | XI

Section VIII. Adjunctive therapy for sepsis

Corticosteroids : * ○ Yes ◉ No

Vitamin C :* ○ Yes ◉ No

Thiamine :* ○ Yes ◉ No

Extracorporeal therapy : * ○ Yes ◉ No

Any other immunomodulator used : ○ Yes ◉ No

Bicarbonate therapy used : ○ Yes ◉ No

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Case Record Form

SECTIONS

II | III | IV | V | VI | VII | VIII | IX | X | XI

Section IX. Course in Hospital

NIV :* ○ Yes ◉ No

HFNO :* ○ Yes ◉ No

Invasive ventilation : * ○ Yes ◉ No

Succesful Extubated : ○ Yes ◉ No

Reintubation : ○ Yes ◉ No

Prone : ○ Yes ◉ No

Recruitment manouever Used (in ARDS) : ○ Yes ◉ No

Renal Support : * ○ Yes ◉ No

Successful in weaning off Renal Support: ○ Yes ◉ No

Reasons for starting RRT : ○ Creatinine ○ Urine output ○ Acidosis ○ Hyperkalemia ○ Volume overload ○ Others

Septic encephalopathy : * ○ Yes ◉ No

Sepsis induced coagulopathy : * ○ Yes ◉ No

Sepsis induced Liver dysfunction : * ○ Yes ◉ No

Any nosocomial infection : * ○ Yes ◉ No

Any incidence of secondary sepsis during this admission : * ○ Yes ◉ No

Nutrition started on the day of sepsis diagnosis : * ◉ Yes ○ No PO

Blood transfusion : * ○ Yes ◉ No

Platelet transfusion : * ○ Yes ◉ No

FFP transfusion :* ○ Yes ◉ No

Any other blood product : ○ Yes ◉ No

DVT prophylaxis : * ○ Yes ◉ No

Stress Ulcer Prophylaxis used : * ○ Yes ◉ No

Cumulative fluid balance during ICU stay Known : ○ Yes ◉ No

Continuous infusion of sedation used : * ○ Yes ◉ No

Was sedation scale followed : * ○ Yes ◉ No

Was continuous analgesia infusion used : * ○ Yes ◉ No

Pain scale monitored : * ○ Yes ◉ No

Pain scale monitored : * ○ Yes ◉ No

Was delirium assessed : ○ Yes ◉ No

Was NMB infusion used : ○ Yes ◉ No

TOF monitored : ○ Yes ◉ No

Was ECMO used : * ○ Yes ◉ No

Any unanticipated events during the sepsis course : atrial fibrillation /any other (specify) NA

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Case Record Form

SECTIONS

II III IV V VI VII VIII IX X XI

Section X .Microbial outcome

Repeat culture sent : * ○ Yes ◉ No

Antibiogram ○ Same ○ Different

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Case Record Form

SECTIONS

II | III | IV | V | VI | VII | VIII | IX | X | XI

Section XI . Clinical outcome

Clinical improvement : *
○ Yes ◉ No

Date of ICU Discharge :*
19/01/2023

ICU Discharge Status : *
○ Alive ◉ Dead

Date of Hospital Discharge : *
19/01/2023

Hospital Discharge Status : *
○ Alive ○ Dead

Was Death attributable to sepsis :
◉ Yes ○ No
Sepsis in a case of AML

If Alive Discharge destination :
NA

ICU length of stay(days) : *
2

Hospital Length of stay(days) : *
10

If Alive Discharge destination :
NA

ICU length of stay(days) : *
2

Hospital Length of stay(days) : *
10

Discharge against medical advice : *
○ Yes ◉ No

End of life care : *
◉ Yes ○ No

Unanticipated Cardiac arrest : *
○ Yes ◉ No

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