

# STUDIO SPRINT - CFR

STUDY DAY -- \_\_/\_\_/\_\_

ICU ☐ general ☐ cardiosurg ☐ traumatologic ☐ post-op ☐ neurosurg ☐ pediatric ☐ emergency dept. ☐ gyn/obst

Patient ID num hospital admission \_\_/\_\_/\_\_ ICU admission \_\_/\_\_/\_\_  
 Initials Age ☐ male ☐ female Weight Height

Admission Type ☐ medical ☐ surgical election ☐ surgical emergency ☐ trauma

Origin ☐ other hospital ☐ DEA ☐ medical dept. ☐ surgical dept. ☐ other

Reason for Adm ☐ respiratory ☐ cardiovascular ☐ neurological ☐ trauma ☐ surveillance ☐ other

Main Diagnosis

Other Diagnosis

Comorbidities	<input type="checkbox"/> active solid cancer	<input type="checkbox"/> inactive solid cancer (<5y)	<input type="checkbox"/> inactive solid cancer (>5y)	<input type="checkbox"/> metastatic cancer	<input type="checkbox"/> lymphoma	<input type="checkbox"/> other hematological cancer
	<input type="checkbox"/> immunosuppressive therapy (<3months)	<input type="checkbox"/> immunosuppressive therapy (>3months)	<input type="checkbox"/> chronic kidney failure	<input type="checkbox"/> COPD	<input type="checkbox"/> heart failure (NYHA 3-4)	<input type="checkbox"/> previous cardiac disease
	<input type="checkbox"/> solid organ transplantation	<input type="checkbox"/> neurodegenerative disease	<input type="checkbox"/> IDDM	<input type="checkbox"/> NIDDM	<input type="checkbox"/> chronic dialysis	<input type="checkbox"/> cirrhosis (CHILD B-C)
	<input type="checkbox"/> CT/RT (<6months)	<input type="checkbox"/> CT/RT (>6months)	<input type="checkbox"/> allogenic stem cells transplant	<input type="checkbox"/> autologous stem cells transplant	<input type="checkbox"/> HIV infection	

Temp (°C)	min	max	HR (bpm)	min	max
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SBP (mmHg)	min	max	MAP (mmHg)	min	max
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<b>Vasopressors/Inotropes</b> <input type="checkbox"/> yes <input type="checkbox"/> no	1.	Dose (mcg/kg/min)
	2.	Dose (mcg/kg/min)
	3.	Dose (mcg/kg/min)
	4.	Dose (mcg/kg/min)

Respiratory	<input type="checkbox"/> spontaneous breathing <input type="checkbox"/> mechanical ventilation	RR (/min)	min	max
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pH	min	max	PaO <sub>2</sub> (mmHg)	min	max	PaCO <sub>2</sub> (mmHg)	min	max
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HCO <sub>3</sub> (mmol/l)	min	max	FiO <sub>2</sub> (%)	min	max	PaO <sub>2</sub> /FiO <sub>2</sub>	min	max
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WBC (10 <sup>3</sup> /mm <sup>3</sup> )	min	max	Hb (g/dl)	min	max	PLTS (10 <sup>3</sup> /mm <sup>3</sup> )	min	max
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Hct (%)	min	max	Crea (mg/dl)	min	max	Lac (mmol/l)	min	max
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Na <sup>+</sup> (mmol/l)	min	max	K <sup>+</sup> (mmol/l)	min	max			
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Bilirubine (mg/dl)	max	Urea (mg/dl)	max	Urinary Output (ml/24h)	
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GCS	during sedation	EVM	E	V	M	SOFA	
	neurologic window	EVM	E	V	M	SOFAq	

Invasive ventilation	<input type="checkbox"/> yes <input type="checkbox"/> no	start date __/__/__	Tracheostomy	<input type="checkbox"/> yes <input type="checkbox"/> no	date __/__/__
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CPAP/NIV	<input type="checkbox"/> yes <input type="checkbox"/> no	start date __/__/__	Coaxial catheter	<input type="checkbox"/> yes <input type="checkbox"/> no	date __/__/__
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HF nasal O <sub>2</sub>	<input type="checkbox"/> yes <input type="checkbox"/> no	start date __/__/__	Urinary catheter	<input type="checkbox"/> yes <input type="checkbox"/> no	date __/__/__
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ECMO	<input type="checkbox"/> yes <input type="checkbox"/> no	start date __/__/__	DVE	<input type="checkbox"/> yes <input type="checkbox"/> no	date __/__/__
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CVC_1	<input type="checkbox"/> yes <input type="checkbox"/> no	date __/__/__	lumens	site
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CVC_2	<input type="checkbox"/> yes <input type="checkbox"/> no	date __/__/__	lumens	site
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Intermittent hemodialysis	<input type="checkbox"/> yes <input type="checkbox"/> no	CRRT	<input type="checkbox"/> yes <input type="checkbox"/> no
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Septic Shock	<input type="checkbox"/> yes <input type="checkbox"/> no	Hyperlactacidemia	<input type="checkbox"/> yes <input type="checkbox"/> no
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INFECTION SECTION		
ATB prophylaxis <input type="checkbox"/> yes <input type="checkbox"/> no	1.	
	2.	
	3.	
<input type="checkbox"/> GE decontamination	<input type="checkbox"/> oral Chlorhexidine	<input type="checkbox"/> nasal Mupirocin

INFECTION 1 <input type="checkbox"/> yes <input type="checkbox"/> no					
Site	<input type="checkbox"/> respiratory system	<input type="checkbox"/> abdomen	<input type="checkbox"/> circulation	<input type="checkbox"/> kidneys	<input type="checkbox"/> skin
	<input type="checkbox"/> CNS	<input type="checkbox"/> catheter-related	<input type="checkbox"/> genito-urinary	<input type="checkbox"/> other	
Evidence <sup>1</sup>	<input type="checkbox"/> certain		<input type="checkbox"/> probable	<input type="checkbox"/> feasible	
Acquisition mode <sup>2</sup>	<input type="checkbox"/> community-acquired	<input type="checkbox"/> hospital-acquired/health care-associated		<input type="checkbox"/> ICU-acquired	
Positive isolate <input type="checkbox"/> yes <input type="checkbox"/> no	bug 1				
	bug 2				
	bug 3				

INFECTION 2 <input type="checkbox"/> yes <input type="checkbox"/> no					
Site	<input type="checkbox"/> respiratory system	<input type="checkbox"/> abdomen	<input type="checkbox"/> circulation	<input type="checkbox"/> kidneys	<input type="checkbox"/> skin
	<input type="checkbox"/> CNS	<input type="checkbox"/> catheter-related	<input type="checkbox"/> genito-urinary	<input type="checkbox"/> other	
Evidence <sup>1</sup>	<input type="checkbox"/> certain		<input type="checkbox"/> probable	<input type="checkbox"/> feasible	
Acquisition mode <sup>2</sup>	<input type="checkbox"/> community-acquired	<input type="checkbox"/> hospital-acquired/health care-associated		<input type="checkbox"/> ICU-acquired	
Positive isolate <input type="checkbox"/> yes <input type="checkbox"/> no	bug 1				
	bug 2				
	bug 3				

INFECTION 3 <input type="checkbox"/> yes <input type="checkbox"/> no					
Site	<input type="checkbox"/> respiratory system	<input type="checkbox"/> abdomen	<input type="checkbox"/> circulation	<input type="checkbox"/> kidneys	<input type="checkbox"/> skin
	<input type="checkbox"/> CNS	<input type="checkbox"/> catheter-related	<input type="checkbox"/> genito-urinary	<input type="checkbox"/> other	
Evidence <sup>1</sup>	<input type="checkbox"/> certain		<input type="checkbox"/> probable	<input type="checkbox"/> feasible	
Acquisition mode <sup>2</sup>	<input type="checkbox"/> community-acquired	<input type="checkbox"/> hospital-acquired/health care-associated		<input type="checkbox"/> ICU-acquired	
Positive isolate <input type="checkbox"/> yes <input type="checkbox"/> no	bug 1				
	bug 2				
	bug 3				

INFECTION 4 <input type="checkbox"/> yes <input type="checkbox"/> no					
Site	<input type="checkbox"/> respiratory system	<input type="checkbox"/> abdomen	<input type="checkbox"/> circulation	<input type="checkbox"/> kidneys	<input type="checkbox"/> skin
	<input type="checkbox"/> CNS	<input type="checkbox"/> catheter-related	<input type="checkbox"/> genito-urinary	<input type="checkbox"/> other	
Evidence <sup>1</sup>	<input type="checkbox"/> certain		<input type="checkbox"/> probable	<input type="checkbox"/> feasible	
Acquisition mode <sup>2</sup>	<input type="checkbox"/> community-acquired	<input type="checkbox"/> hospital-acquired/health care-associated		<input type="checkbox"/> ICU-acquired	
Positive isolate <input type="checkbox"/> yes <input type="checkbox"/> no	bug 1				
	bug 2				
	bug 3				

ATB therapy <input type="checkbox"/> yes <input type="checkbox"/> no	1.
	2.
	3.
	4.
	5.
ATB therapy for recent infection <input type="checkbox"/> yes <input type="checkbox"/> no	

FOLLOW UP						
Dismissal	ICU dismissal    __/__/____			hospital dismissal    __/__/____		
	ICU Dismissal to	<input type="checkbox"/> other ICU	<input type="checkbox"/> intermediate unit	<input type="checkbox"/> department	<input type="checkbox"/> dead	<input type="checkbox"/> other
Hospital dismissal before 60 days		<input type="checkbox"/> yes <input type="checkbox"/> no				
Outcome at 60 days		<input type="checkbox"/> alive <input type="checkbox"/> dead				

BUG legenda	
100	gram positivi
101	staphylococcus aureus, sensibilità/resistenza non nota
102	staphylococcus aureus sensibile alla meticillina (MSSA)
103	staphylococcus aureus resistente alla meticillina (MRSA)
104	staphylococcus aureus resistente a linezolid
105	staphylococcus aureus con resistenza totale o intermedia alla vancomicina (VISA)
106	stafilococchi coagulasi-negativi (epidermidis, emolitico,...) sensibilità/resistenza non nota
107	stafilococchi coagulasi-negativi (epidermidis, emolitico,...) sensibili alla meticillina
108	stafilococchi coagulasi-negativi (epidermidis, emolitico,...) resistenti alla meticillina
109	streptococcus gruppo D (enterococcus faecalis, faecium) sensibilità/resistenza non nota
110	streptococcus gruppo D (enterococcus faecalis, faecium) sensibili alla vancomicina
111	streptococcus gruppo D (enterococcus faecalis, faecium) resistenza totale o intermedia alla vancomicina (VRE)
112	streptococcus A, B, C, gruppo G
113	streptococcus pneumoniae, sensibilità/resistenza non nota
114	streptococcus pneumoniae resistente ai macrolidi
115	streptococcus pneumoniae sensibile ai macrolidi
116	streptococcus, altri
117	cocchi gram +, altri
118	neisseria meningitidis
119	moraxella (moraxella catarrhalis, moraxella spp)
120	listeria monocytogenes
121	neisseria gonorrhoeae
122	bacilli gram +, altri (bacillus cereus, bacillus spp, corynebacterium spp, lactobacillus, rhodococcus equi, nocardia spp, altro)
200	gram negativi
201	escherichia coli, sensibilità/resistenza non nota
202	escherichia coli sensibile ai beta-lattamici (tra cui cefalosporine di terza generazione)
203	escherichia coli resistente ai beta lattamici (tra cui cefalosporine di terza generazione)
204	escherichia coli resistente ai carbapenemici
205	enterobacter (di qualsiasi tipo)
206	klebsiella, sensibilità/resistenza non nota
207	klebsiella (qualsiasi tipo) sensibile ai beta-lattamici (tra cui cefalosporine di terza generazione)
208	klebsiella (qualsiasi tipo) resistente ai beta lattamici (tra cui cefalosporine di terza generazione)
209	klebsiella resistente ai carbapenemi
210	proteus o providencia (qualsiasi tipo)
211	salmonella (qualsiasi tipo)
212	serratia
213	citrobacter
214	pseudomonas aeruginosa, sensibilità/resistenza non nota
215	pseudomonas aeruginosa sensibile ai carbapenemi
216	pseudomonas aeruginosa sensibile ai beta lattamici (compresa terza generazione di cefalosporine)
217	pseudomonas aeruginosa resistente ai carbapenemi
218	pseudomonas aeruginosa resistente ai beta lattamici (tra cui cefalosporine di terza generazione)
219	pseudomonas, altri
220	acinetobacter, sensibilità/resistenza non nota
221	acinetobacter sensibile ai carbapenemi
222	acinetobacter resistente ai carbapenemi
223	stenotrophomonas maltophilia
224	campylobacter - helicobacter - brucella
225	haemophilus (influenzae o altro)
226	enterobatteri, altri (yersinia spp, shigella spp, altro)
227	eventuali batteri gram neg resistenti alla colistina
228	gram negativi, altri

300	anaerobi
301	clostridium (clostridium difficile, clostridium perfringes, clostridium spp, actinomyces, propionibacterium)
302	cocchi anaerobi (peptococcus, peptostreptococcus, veillonella)
303	bacteroidi (bacteroides fragilis, bacteroides melaninogenicus, capnocytophaga, fusobacterium spp,...)
304	anaerobi, altri
400	altri microrganismi
401	micobatteri (tubercolosi o altri)
402	clamidia
403	rickettsia
404	mycoplasma (mycoplasma pneumoniae o hominis, rochalimeae spp, bartonella spp)
405	legionella pneumoniae
500	funghi
501	candida albicans, sensibilità/resistenza non nota
502	candida albicans, sensibile ad azoli
503	candida albicans, resistente ad azoli
504	candida tropicalis, sensibilità/resistenza non nota
505	candida tropicalis, sensibile ad azoli
506	candida tropicalis, resistente ad azoli
507	candida glabrata, sensibilità/resistenza non nota
508	candida glabrata, sensibile ad azoli
509	candida glabrata, resistente ad azoli
510	candida krusei, sensibilità/resistenza non nota
511	candida krusei, sensibile ad azoli
512	candida krusei, resistente ad azoli
513	candida kefyr, sensibilità/resistenza non nota
514	candida kefyr, sensibile ad azoli
515	candida kefyr, resistente ad azoli
516	candida parapsilosis, sensibilità/resistenza non nota
517	candida parapsilosis, sensibile ad azoli
518	candida parapsilosis, resistente ad azoli
519	candida guilliermondii, sensibilità/resistenza non nota
520	candida guilliermondii, sensibile ad azoli
521	candida guilliermondii, resistente ad azoli
522	candida dubliniensis, sensibilità/resistenza non nota
523	candida dubliniensis, sensibile ad azoli
524	candida dubliniensis, resistente ad azoli
525	aspergillus
526	funghi, altri (cryptococcus neoformans, histoplasma spp,...)
600	virus
601	influenza A
602	influenza B
603	HSV I o II
604	CMV
605	altri
700	parassiti
701	plasmodium falciparum, pneumocystis carinii, toxoplasma gondii,...
801	flora mista

## ANTIMICROBIAL LEGEND

10	cefalosporine
11	cefazolina
12	cefuroxime
13	ceftazidime
14	ceftriaxone
15	cefepime/cefpirome
16	altra cefalosporina
20	penicilline
21	benzil penicillina
22	ampicillina
23	amoxyc + clavulanato
24	pipera + tazo
25	oxa/cloxa/flucloxacillina
26	altra penicillina
30	carbapenemi
31	imipenem
32	meropenem
33	ertapenem
34	doripenem
35	altro carbapeneme
40	altri beta-lattami
41	temocillin
42	aztreonam
43	altri
50	aminoglicosidi
51	amikacina
52	tobramicina
53	gentamicina
54	altro aminoglicoside

60	chinoloni
61	ciprofloxacina
62	levofloxacina
63	altro chinolone
70	glicopeptidi
71	vancomicina
72	teicoplanina
73	altro glicopeptide
80	macrolidi
81	eritromicina
82	altro macrolide
90	altri antibiotici
91	metronidazolo
92	cotrimoxazolo
93	linezolid
94	daptomicina
95	tigeciclina
96	altri antibiotici
100	antifungini
101	fluconazolo
102	amfotericina B
103	amfotericina B formulazione lipidica
104	echinocandine
105	voriconazolo
106	altri antifungini
200	farmaci antivirali
201	HAART
202	oseltamivir
203	zanamivir
204	aciclovir
205	ganciclovir
206	amantadina
207	altri antivirali

<sup>1</sup> **Evidence of infection:** infections are considered ‘definite’, ‘probable’, or ‘possible’, according to the International Sepsis Forum Consensus Conference definitions.

<sup>2</sup> **Acquisition mode:** infections occurring at least 48h after hospital admission are considered ‘hospital-acquired/health care-associated’; infections occurring at least 24h after ICU admission are considered ‘ICU-acquired’; all other infections are considered ‘community-acquired’, according to the ECDC definitions.