

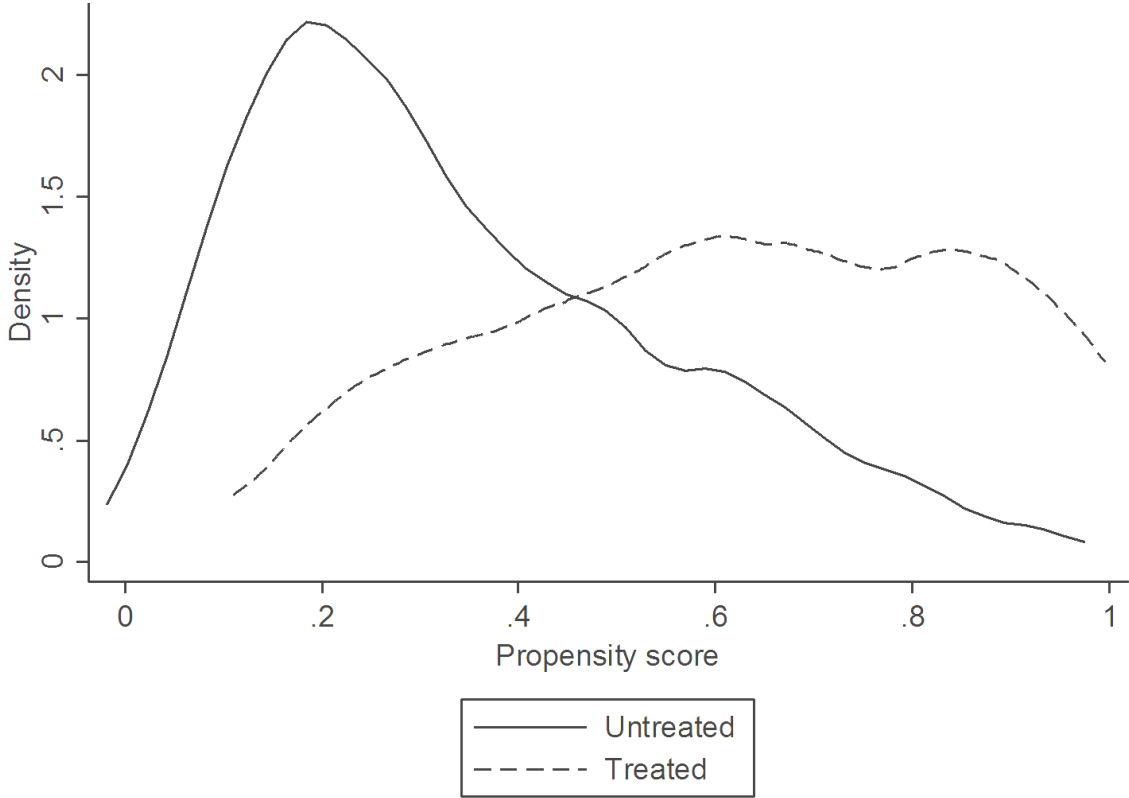
Supplementary Content

Impact of low-dose hydrocortisone on the incidence of atrial fibrillation in septic shock patients. A propensity score-inverse probability of treatment weighting cohort study

Y LAUNEY, S LASOCKI, K ASEHNOUNE, B GAUDRIOT, C CHASSIER, R CINOTTI, P LE
MAGUET, MD; L LAKSIRI, A TAWA, Y MALLEDANT, B PERROT, P SEGUIN

Supplementary Digital Content 1

Density of propensity scores for no-hydrocortisone (untreated) and hydrocortisone (treated) groups.



Note: A reasonable overlap is needed to ensure that patients with the same covariates values have a positive probability of being in each treatment group.

Supplementary Digital Content 2

Standardized differences of covariates included in the propensity score model.

	Standardized difference in the unweighted sample	Standardized difference in the weighted sample
Age	0.131	-0.008
Central venous catheter during septic shock	0.146	-0.049
SAPS II at admission	0.314	-0.021
SOFA score at admission	0.533	0.109
White blood cells, G/L	-0.001	0.006
Maximum dose of norepinephrine during septic shock, $\mu\text{g}\cdot\text{kg}^{-1}\cdot\text{min}^{-1}$		
0-0.30	reference	reference
0.30-1.00	0.010	0.068
>1.00	0.694	-0.006
Maximum dose of epinephrine during septic shock, $\mu\text{g}\cdot\text{kg}^{-1}\cdot\text{min}^{-1}$	0.030	0.018
Chronic renal failure	-0.096	-0.014
Thyroid disorder	0.096	0.034
Corticotherapy	0.378	0.117
Dobutamine	0.567	-0.004
Epinephrine	0.181	0.011
Pulmonary artery catheter during septic shock	-0.016	-0.073
Cardiac surgery	-0.087	-0.047
Mediastinal drainage during septic shock	-0.093	-0.027

Dialysis during septic shock	0.402	-0.073
------------------------------	-------	--------

Supplementary Digital Content 3

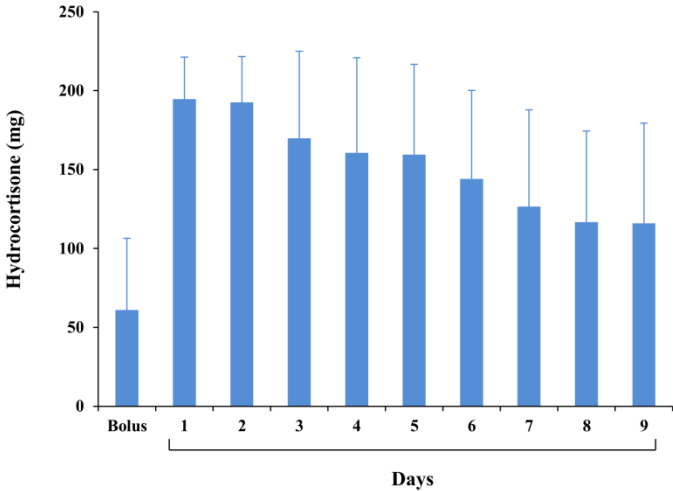
AF duration and treatment in the treated and untreated groups.

	Hydrocortisone - (n=138)	Hydrocortisone + (n=123)	p
AF duration, hours, median (range)	4 (0.15-408)	6 (0.5-413)	0.664
Treatment for AF, yes, n(%)	25 (76%)	22 (92%)	0.112
Number of treatments applied*, mean±SD	1.52±1.20	1.58±0.72	0.650

*Treatments consisted of amiodarone and/or digoxin and/or magnesium sulfate and/or beta-blockers and/or electrical cardioversion.

Supplementary Digital Content 4

Hydrocortisone doses received by patients (as a bolus and from day 1 to day 9). Data are shown as the mean \pm SD.



Data are mean (SD)

Supplementary Digital Content 5

Microbiological data in patients who did or did not receive hydrocortisone.

		Hydrocortisone –	Hydrocortisone +
Aerobic			
Gram-negative			
	<i>Escherichia coli</i>	51	42
	<i>Klebsiella</i> spp.	20	8
	<i>Pseudomonas</i> spp.	14	10
	<i>Enterobacter</i> spp.	11	13
	<i>Proteus</i> spp.	4	5
	Other bacteria	9	22
Gram-positive			
	<i>Streptococcus</i> spp.	19	22
	<i>Enterococcus</i> spp.	27	34
	<i>Staphylococcus</i> spp.	21	24
Anaerobic			
	<i>Bacteroides</i> spp.	14	7
	<i>Clostridium</i> spp.	5	5
	Other bacteria	5	1
Yeasts			
	<i>Candida</i> spp.	16	19
	<i>Aspergillus</i> spp.	0	2

Data are expressed as number of microorganisms recovered.