

Supplementary Table 1. Univariate Odds Ratios of Complications in the Unmatched and Matched Cohorts

Outcome	Comparison	Unmatched Cohort		Matched Cohort	
		Odds Ratio	p-value	Odds Ratio	p-value
Delirium	Non-UTI vs UTI Sepsis	1.46 (0.908–2.320)	0.112	1.28 (0.720–2.290)	0.401
Acute Renal Failure	Non-UTI vs UTI Sepsis	0.807 (0.592–1.090)	0.166	1.14 (0.721–1.800)	0.58
Intubation	Non-UTI vs UTI Sepsis	0.801 (0.463–1.340)	0.41	0.91 (0.424–1.940)	0.807
Mechanical Ventilation	Non-UTI vs UTI Sepsis	0.643 (0.398–1.002)	0.061	0.625 (0.329–1.160)	0.142
<i>Odds ratios (ORs) and 95% confidence intervals (CIs) were estimated with logistic regression models to compare outcomes between patients with non-UTI vs UTI sepsis (reference group). All statistical tests were two-tailed, and p-values <0.05 were considered statistically significant.</i>					

Supplementary Table 2. Univariate Hazard Ratios in the Unmatched and Matched Cohorts Excluding Patients Transferred from Other Hospitals

Variable	Unmatched Cohort		Matched Cohort	
	Hazard Ratio (95% CI)	p value	Hazard Ratio (95% CI)	p value
Non-UTI vs UTI Sepsis (≤ 300 days)	1.340 (1.060-1.710)	0.017	1.440 (1.170-1.770)	0.001
Age (per year)	0.985 (0.933-1.040)	0.589	1.010 (0.971-1.060)	0.577
Sex (male vs female)	0.919 (0.745-1.130)	0.431	0.955 (0.809-1.130)	0.587
SOFA Score (per point)	0.993 (0.943-1.040)	0.776	0.984 (0.947-1.020)	0.435
APACHE III Score (per point)	1.030 (1.020-1.040)	<0.001	1.030 (1.020-1.040)	<0.001
Elective Admission (yes vs no)	0.519 (0.073-3.710)	0.513	0.800 (0.199-3.220)	0.753
Non-UTI vs UTI Sepsis (>300 days)	0.689 (0.430-1.100)	0.121	0.646 (0.625-1.380)	0.080
<i>Hazard ratios (HRs) and 95% confidence intervals (CIs) were estimated using univariate Cox proportional hazards models. For time-stratified analyses, the follow-up period was divided at 30 days post-admission, with hazard estimates reported separately for ≤ 300 days and >300 days. Matching was performed using 1:1 nearest-neighbour propensity score matching without replacement and a caliper of 0.1. Variables included in the matching algorithm were age, sex, APACHE III score, SOFA score, and elective admission status. UTI = urinary tract infection; Non-UTI = non-urinary tract infection. Asterisk (*) indicates statistical significance at $p < 0.05$.</i>				