### Measured Energy Expenditure In Patients with Septic Shock During and Upon Liberation from Mechanical Ventilation

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# Aim

 To examine whether energy expenditure of **ICU** patients with initial diagnosis of septic shock differed during and upon liberation from mechanical ventilation





## Methodology

#### Recruitment

Patients ≥18 years admitted into ICU with septic shock Mechanical ventilatiordependent

Hemodynamically stable

### **Patient Preparation**

- Supine resting position
- 4 hours fasting
- No general anesthesia within 6 hours
- 4 hours after hemodialysis
- No changes in ventilatory settings in 90 minutes
- Hold routine care and painful procedures



### **Patients' Demographic**

	Age (years)	$69 \pm 10$		
	Height (m)	<b>1.58</b> ±	80.0	
	Weight (kg)	<b>59.01</b> ±	<b>±7.63</b>	
The second	APACHEII Score	28		
	LOS (days)	45		
	Duration on Ventilator	24		Boxplot, Pre
	(days)		4000 -	
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			60	

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## Conclusion

- Significantly higher energy expenditure resulted during compared to liberation from mechanical ventilation
- Significant gap between actual caloric provision and measured metabolic rate
- Future study to investigate clinical outcomes with matching nutrition support and metabolic requirement

