

جامعة فاروس الاسكندرية

Marketing Department

إدارة التسويق

Publications Template

#	Research Title	Field	Abstract	Year of Publication Publishing	Publishing Link "URL"
1	Effect of intrathecal Bupivacaine– Lidocaine combination on motor block and analgesia period	Clinical pharmacy	Objective To assess the effect of <u>intrathecal</u> Bupivacain– Lidocaine combination at different doses of <u>Lidocaine</u> (6 and 12 mg) on the onset and recovery of anesthesia. Methods Ninety patients who were scheduled for elective lower abdominal surgery were randomly allocated into three equal groups: Group I; 30 patients received 1.5 mL hyperbaric 0.5% Bupivacaine + 0.6 mL saline. Group II; 30 patients received 1.5 mL hyperbaric 0.5% Bupivacaine + 0.6 mL 1% Lidocaine [6 mg] mixed. Group III; 30 patients received 1.5 mL hyperbaric	2012	https://doi.org/10.1016/j.bfopcu.2012.03.001





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	0.5% Bupivacaine + 0.6 mL	
	2% Lidocaine [12 mg]. Peak	
	sensory block level, time to	
	peak sensory block, times to	
	two-segment, S2 regressions	
	from peak sensory block,	
	motor blocks at peak sensory	
	block and total motor block	
	duration, post anesthesia care	
	unit stay time and analgesia	
	time were measured.	
	Results	
	The median height of peak	
	sensory block in Group III	
	was higher than in Group I or	
	II. Times to two-segment and	
	S2 regressions from peak	
	sensory block, motor block	
	duration and PACU time	
	were significantly reduced in	
	Group II compared to Group	
	I and III. No patient required	
	general anesthesia. No	
	patients	
	experienced postdural	
	puncture headache or TNS.	
	Conclusions	
	Lidocaine 1% (6 mg) mixed	
	to spinal 1.5 mL hyperbaric	





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			0.5% Bupivacaine (7.5 mg) can shorten the duration of Bupivacaine spinal anesthesia, provide more rapid recovery from the spinal anesthesia compared to the same dose of 0.5% Bupivacaine (7.5 mg) alone or the same dose of 0.5% Bupivacaine (7.5 mg) mixed with 0.6 mL 2% Lidocaine (12 mg).		
2	The clinical outcome of simvastatin plus standard therapy versus standard therapy alone in critically ill septic patients: Randomized controlled clinical trial	Clinical pharmacy	Background: Statin therapy during Intensive Care Unit (ICU) stay has been associated with a reduction in all-cause hospital mortality in some studies. This association was especially noted in septic patients. However, potential benefit needs to be validated in randomized, controlled trials. Objective: The purpose of this study was to compare the effect of simvastatin plus standard therapy on mortality and total ICU Length Of Stay	2016	https://dialnet.unirioja.es/servlet/articulo?codigo=5779444



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إدارة التسويق Marketing Department (LOS) to that of standard therapy alone in critically ill septic patients. Method: A prospective randomized, open-label, controlled pilot clinical trial was conducted on patients diagnosed with sepsis/severe sepsis as defined by the American College of Chest Physicians (ACCP). Hundred patients met the study criteria and were randomized into two groups; a standard group who received standard treatment and simvastatin group who received the standard treatment plus 40 mg simvastatin. Primary outcomes were 28 days ICU mortality and total ICU LOS. Plasma C-Reactive Protein (CRP), total Creatine Kinase (CK) and liver enzymes [alanine aminotransferase (ALT) and aspartate aminotransferase (AST)] were measured as secondary outcome measures.



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g Department	إدارة التسويق
g Department Results: A total of 72 patients completed the study. Simvastatin was well tolerated, with no increase in adverse events between the two groups. Total ICU LOS was significantly lower in the simvastatin group. However, the number of patients with 28 days ICU mortality in the simvastatin group was lower compared to standard group; but survival failed to reach statistical significance. Similarly, plasma C-reactive protein failed to reach	إدارة التسويق

جامعة فاروس الاسكندرية PHAROS UNIVERSITY ALEXANDRIA حامعة فاروس إدارة التسويق **Marketing Department** The clinical outcome of simvastatin plus standard therapy Velasquez, T., Mackey, G., Lusk, J. et al. ESICM LIVES versus Clinical Previous abstract 2016: part three. *ICMx* **4**, 28 (2016). 3 standard therapy 2016 pharmacy alone in critically https://doi.org/10.1186/s40635-016-0100-7 ill septic patients: randomized controlled clinical trial Sepsis is a life-threatening organ dysfunction caused by a dysregulated host response to infection. Statins [Hydroxymethylglutaryl-CoA reductase inhibitors] not only lower cholesterol levels Future of statins in but also have been proposed sepsis: a review on Clinical as adjunctive therapy in https://dx.doi.org/10.21608/APS.2020.2001.1022 2020 4 sepsis due to their pleiotropic its safety and pharmacy effects. They act on several efficacy stages in sepsis: the generation of proinflammatory cytokines, modulation of leukocyte and monocyte functions, and reduction of oxidative stress as well as improvement in



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إدارة التسويق Marketing Department endothelial function and platelet activity. However, it has been argued if the observed beneficial effect of statins in sepsis is related to preadmission or postadmission use of statins. Also, the positive impact of statins on the clinical outcome of patients with sepsis has shown conflicting results. Accordingly, this review will discuss recent evidence regarding the use of statins in sepsis. Also, adequate use of statins based on the right drug, at the right time, at the right dose and in the right population will be discussed. The information in this review shows that the effect of statins is a drug, not a class effect, with the most effective drug in sepsis being simvastatin. Besides, it highlights the importance of proper timing and dosing of statins to manifest their antibacterial and pleiotropic





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		effects. Finally, the effect of statins in sepsis is restricted to early phases of sepsis or sepsis prevention, not sepsis complicated with organ dysfunction or septic shock. However, more <i>in vivo</i> and clinical trials are required to determine the final decision		
5 COST- EFFECTIVE ANALYSIS FOR SIMVASTATIN PLUS STANDARD THERAPY VERSUS STANDARD THERAPY ALONE IN CRITICALLY ILL SEPTIC PATIENTS	Clinical pharmacy	about statin use in sepsis. Objectives Assessment of the costeffectiveness of oralsimvastatin plus standardtherapy versus standardtherapy alone in critically illseptic patients Methods This was a multi-center,randomized, open label,controlled clinical trial. Atotal of 145 critically illpatients were randomized, 80received standard therapyaccording to SurvivingSepsis Campaign Guidelines2013 and 65 receivedsimvastatin plus standardtherapy. The economic	2019	http://dx.doi.org/10.1016/j.jval.2019.04.1832





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	analysis was planned as cost-	
	effectiveness analysis. Only	
	direct medical and non-	
	medical costs were incurred.	
	The primary outcome	
	assessed was the number of	
	survived patients. Per	
	protocol analysis was	
	maintained throughout the	
	analysis.	
	Results	
	The clinical findings reported	
	that simvastatin significantly	
	decreased the intensive care	
	unit length of stay (ICU	
	LOS). At 3 months, 52	
	patients died in the standard	
	group and 35 in the	
	simvastatin group. No death	
	was recorded at 6 and 12	
	months. Mortality was lower	
	in the simvastatin group	
	compared to the standard	
	group at 12 months, although	
	this was not significant	
	(p=0.15). Total direct	
	medical and non-medical	
	costs were lower in	
	simvastatin group compared	





Marketing Department إدارة التسويق to standard group, indicating that the statin therapy is the dominant treatment option. The cost-saving results of simvastatin were largely driven by saving in cost of the ICU LOS and medications in the ICU. The incremental costeffectiveness ratio (ICER) was negative and therefore was not calculated. Conclusions This study provides novel preliminary evidence that simvastatin plus standard therapy is likely to be less costly and more effective in term of survival compared to standard care alone in ICU patients. Cost-effectiveness Objectives: Conducting a cost-effectiveness analysis to Manuscript was fully accepted for publication of Denovo in American Health and Drug Benefits. The article is evaluate the use of de-novo Simvastatin as Clinical currently scheduled for December issue. Adjunctive simvastatin plus standard 2021 6 pharmacy Therapy in therapy versus standard https://www.ahdbonline.com/ therapy alone in patients with **Critically Ill Septic Patients** sepsis over one year.





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	Methods: One hundred forty-	
	five critically ill patients	
	were recruited in an open	
	open-label, randomized	
	controlled clinical trial.	
	Eighty patients received	
	standard therapy according to	
	Surviving Sepsis Campaign	
	Guidelines 2013 and 65	
	received oral simvastatin plus	
	standard therapy. The	
	outcomes assessed were the	
	survivals at the end of one	
	year follow up and the	
	intensive care unit ICU	
	length of stay (ICU LOS).	
	Per protocol analysis was	
	used.	
	Results: The ICU LOS was	
	significantly decreased in the	
	simvastatin group (p=0.001).	
	At 12 months, percent of	
	alive patients was 46 % in	
	the simvastatin group	
	compared to 35% in the	
	standard group, although this	
	was not significant	
	(p=0.173). However, when	
	Kaplan Meier curve was	





إدارة التسويق Marketing Department constructed, it showed significant difference that favored the standard arm (P=0.01). Simvastatin was the dominant treatment option based on the lower total direct costs in the simvastatin group with respect to the standard group. Saving in costs of the ICU LOS was the main determinant of the costsaving results of simvastatin. Incremental cost effectiveness ratio (ICER) was negative thus was not calculated. A probabilistic sensitivity analysis and one way sensitivity analysis were done and results were robust to change. Conclusion: Denovo simvastatin adjacent as adjunctive to standard therapy in ICU septic patients had decreased the overall cost through lessening the ICU LOS and its associated cost, but





 Marketing Department
 generalization to different

 ethnic groups due to possible
 genetic variations requires

 further investigation.
 further investigation.