



**ESPS PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastroenterology

**ESPS manuscript NO:** 19682

**Title:** Dextran sulfate sodium-induced acute colitis impairs dermal lymphatic function in mice

**Reviewer’s code:** 03254039

**Reviewer’s country:** Japan

**Science editor:** Jing Yu

**Date sent for review:** 2015-05-20 14:48

**Date reviewed:** 2015-05-29 18:29

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input checked="" type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

**COMMENTS TO AUTHORS**

The authors examined the dermal lymphatic function and architecture in the murine DSS-induced acute colitis. They showed alteration in dermal lymphatic architecture and reduction in dermal lymphatic contractility in the skin of DSS-induced colitis mice using imaging techniques. Based on these results, the authors concluded that the lymphatic are locally and systemically altered in DSS-induced acute colitis. Although these results show interesting observations, there are some questions to reach until their conclusion. 1. The recovery of dermal lymphatic function is observed after finishing the DSS treatment? 2. I wonder a causal relationship between impaired lymphatic function and cutaneous complications associated with colitis because the authors did not observe any clinically apparent manifestations in the skin of DSS-treated mice. How about the proinflammatory cytokine level in the skin of DSS-treated mice?



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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

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**Title:** Dextran sulfate sodium-induced acute colitis impairs dermal lymphatic function in mice

**Reviewer's code:** 02444883

**Reviewer's country:** Italy

**Science editor:** Jing Yu

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
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<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input checked="" type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

### COMMENTS TO AUTHORS

In the current study, authors evaluate whether dermal lymphatic function and architecture are systemically altered in dextran sulfate sodium (DSS)-induced acute colitis. The authors demonstrate that lymphatics are locally and systemically altered in acute colitis by the use of near infrared fluorescence (NIRF) lymphatic imaging. The study is interesting and well structured, however I would suggest few observation: 1- Is the DSS alteration of the skin and lymphatics reversible? The authors should discuss this point. 2- The authors do not evaluate the potential mechanisms related to the local and systemic alteration of lymphatics: this point should be better evaluated in association with literature.