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ESPS Peer-review Report

Name of Journal: World Journal of Hematology

ESPS Manuscript NO: 9592

Title: Granulysin and its clinical significance as a biomarker

Reviewer code: 00186131

Science editor: Wen, Ling-Ling

Date sent for review: 2013-10-09 21:48

Date reviewed: 2013-10-23 21:54

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

The manuscript is well written and interesting.



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ESPS Peer-review Report

Name of Journal: World Journal of Hematology

ESPS Manuscript NO: 9592

Title: Granulysin and its clinical significance as a biomarker

Reviewer code: 02445141

Science editor: Wen, Ling-Ling

Date sent for review: 2013-10-09 21:48

Date reviewed: 2013-11-11 05:57

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

The study by Nagasawa et al. is an important review to demonstrate the biology and clinical significance of granulysin. The review showed the general aspects of granulysin and then clearly indicated that granulysin could be the significant biomarker for immune responses such as cell mediated immunity, responses against acute viral infection and hemophagocytic lymphohistiocytosis, acute GVHD and tumor immunity. Serum granulysin level also revealed a significant correlation with NK-cell related tumor or neoplasm. This study indicated the important possibility that granulysin might be useful for monitoring the immune status of patients or the spreads of NK-cell related neoplasms. Comments: 1. The title of the paper would better to show the target status of a biomarker. For example, biomarker for immune response and NK-cell related neoplasms. 2. Introduction, line 6: "only after 3 to 5 days" is not clear in Figure 1. Very weak signal on day 8? 3. I. Structure and function, page 1, line 15: "figure 2" should be "figure 2a". Please use the illustration with higher resolution. 4. I. Structure and function, page 1-2: Figure 3 should be quoted in this paragraph. 5. II. Expression and cytotoxic activity, page 2: Please explain about the mechanisms of release of 9 kDa molecule in this section (Ca-dependent release). 6. IV. Granulysin as a biomarker, 1: cell mediated immunity: Figures 4a and 4b were expected to be the data from reference No. 35. Is there any problem about the copyright of the publisher? 7. IV. Granulysin as a biomarker, 4: tumor immunity: Serum granulysin increases with aging (Figure 4a). This means that immune deterioration with aging is not related with the granulysin level. However, in patients with tumors, granulysin as well as general immune capacity might significantly reduced. Isn't it contradictory? 8. IV. Granulysin as a biomarker, 6: NK-cell related tumor or neoplasm: In Figure 6c, what were the bands around 50 kDa? How to read the levels of TNF-? and IFN-?? Were the data driven from



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other experiments? 9. Figure legends should be prepared for Figure 2b, 4a, and 6a.