Baishideng Publishing Group Co., Limited
Flat C, 23/F., Lucky Plaza,
315-321 Lockhart Road,
Wan Chai, Hong Kong, China

ESPS Peer-review Report
Name of Journal: World Journal of Experimental Medicine
Ms: 3152
Title: Steroid resistance in leukemia
Reviewer code: 00069481
Science editor: h.h.zhai@wjgnet.com
Date sent for review: 2013-04-11 21:06
Date reviewed: 2013-05-11 14:17

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[Y] Grade A (Excellent)	[Y] Grade A: Priority Publishing	Google Search:	[Y] Accept
[ ] Grade B (Very good)	[ ] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[ ] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	
[ ] Grade D (Fair)		BPG Search:	[ ]Rejection
[ ] Grade E (Poor)	[ ] Grade D: rejected	[ ] Existed	[ ] Minor revision
		[ ] No records	[ ] Major revision

COMMENTS

COMMENTS TO AUTHORS:
This manuscript is well conducted and it helps to understand the mechanisms of steroid-resistance in acute lymphoblastic leukemia patients. The quality of the work described is adequate to accept in the current format.

Baishideng Publishing Group Co., Limited
Flat C, 23/F., Lucky Plaza,
315-321 Lockhart Road,
Wan Chai, Hong Kong, China

ESPS Peer-review Report
Name of Journal: World Journal of Experimental Medicine
Ms: 3152
Title: Steroid resistance in leukemia
Reviewer code: 00204324
Science editor: h.h.zhai@wjgnet.com
Date sent for review: 2013-04-11 21:06
Date reviewed: 2013-05-12 00:39

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[ ] Grade A (Excellent)	[ ] Grade A: Priority Publishing	Google Search:	[ ] Accept
[ ] Grade B (Very good)	[Y] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[ ] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	[ ]Rejection
[Y] Grade D (Fair)	[ ] Grade D: rejected	BPG Search:	[Y] Minor revision
[ ] Grade E (Poor)		[ ] Existed	[ ] Major revision
		[ ] No records	

COMMENTS

COMMENTS TO AUTHORS:
This is an interesting manuscript. However, because glucocorticoids are mainly effective on lymphocytic lineage and because chronic lymphocytic leukemia is not a very progressive disease but appears closer to low grade non Hodgkin lymphomas, it seems that the review should only focussed on acute lymphophoblastic leukemia. The initial part describing AML and CML does not seem useful. The authors can also discuss the prognostic impact on prognosis of initial response to steroid treatment.

Baishideng Publishing Group Co., Limited
Flat C, 23/F., Lucky Plaza,
315-321 Lockhart Road,
Wan Chai, Hong Kong, China

ESPS Peer-review Report
Name of Journal: World Journal of Experimental Medicine
Ms: 3152
Title: Steroid resistance in leukemia
Reviewer code: 00068253
Science editor: h.h.zhai@wjgnet.com
Date sent for review: 2013-04-11 21:06
Date reviewed: 2013-05-17 22:08

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[ ] Grade A (Excellent)	[ ] Grade A: Priority Publishing	Google Search:	[ ] Accept
[ ] Grade B (Very good)	[Y] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[Y] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	[ ]Rejection
[ ] Grade D (Fair)	[ ] Grade D: rejected	BPG Search:	[Y] Minor revision
[ ] Grade E (Poor)		[ ] Existed	[ ] Major revision
		[ ] No records	

COMMENTS

COMMENTS TO AUTHORS:
The review dals with the action of steroids on leukemic cells and the biology of the resistance of these cells to steroids. It is a well written and updated paper on an old-known topic. It mainly refers to data published after 2000, although the beneficial effects of steroids in leukemia are rather known for a long time. The paper discusses the potential action of steroids in several main types of leukemia, namely chronic lymphocytic, chronic myeloid, acute lymphoblastic and acute myeloid. It should be mentioned that this classification is a rather empirical one and suitable for the non-specialist rather, as opposed to the modern WHO classification of leukemias or even to the older classic FAB system. Nevertheless, it covers every category of leukemia quiet enough, from the clinical, pharmacological, cellular and molecular point of view. The crucial role of glucorticoid receptor (GR) in its two isoforms -a and -b, acting antagonistically, is completely undersoood. It covers the topic of steroid resistance, and the two alternative options of resistance, i.e. primary and secondary. It also covers the divergent mechanisms of resistance to T and B-blast cells. It also touches the heritability of resistance, characterized by generalized end-organ unresponsiveness to sreroids, a major problem faced by the clinicians. It would be of interest if the concept of inherited steroid resistance was also applicable in other cases necessitating steroids in large doses like thrombocytopenic purpura or autoimmune hemolytic anemias. Resistance may be an important reason for avoiding administration of steroids in analogous cases. The important role of steroids in many forms of acute leukemia treatment, deserves a better understanding by the clinician. Thus, this part of the manuscript should be re-written more explicitly. This may target to designing more specific therapies in leukemias.