



SDI Review Form 1.6

Journal Name:	International Blood Research & Reviews
Manuscript Number:	Ms_IBRR_25942
Title of the Manuscript:	Storage of Blood with or without Irradiation: Effect on Lipid Profile
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	Pre-storage irradiation also causes significant LDH (lactate dehydrogenase) release as well as increased hemolysis, lipid peroxidation. GSH depletion, reduction of total antioxidant activity and changes in arachidonic acid and linoleic acid metabolism. In the presented manuscript effect on lipid profile has been studied. Results are in agreement with the described observations. I suggest to add to references several articles from several last years: Antosik A, Czubak K, Gajek A et al. Influence of pre-storage irradiation on the oxidative stress markers, membrane integrity.....Transfusion Medicine and Hemotherapy 2015; 42:140-148. Patel RM, Roback JD, Uppal K et al. Metabolomics profile comparisons of irradiated and nonirradiated stored red blood cells. Transfusion 2015; 55: 544-552. Zbikowska HM, Antosik A, Szejka M et al. A moderate protective effect of quercetin against gamma-irradiation-and storage-induced oxidative damage in red blood cells for transfusion. Int J Radiat Biol 2014; 90: 1201-1210.	1. Nice information provided by the reviewer and will be incorporated in our future project. 2. Reference no. 1 and 3 have been added but 2nd one is already in the list vide ref no. 6
Minor REVISION comments		
Optional/General comments		