

Review Form 1.6

Journal Name:	International Research Journal of Oncology
Manuscript Number:	Ms_IRJO_81033
Title of the Manuscript:	Significant Lower Carboxyl Esterase Specific Activity in Benign and Malignant Parent Brain Tumors and Derived Primary Cell Culture Indicate reduction in Anticancer Drug metabolism
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:

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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)
	<p>Carboxylesterases (CE) catalyzes the conversion of carboxylic esters corresponding to alcohols and carboxylic acids. CE functions as a protective factor in brain cells categorized as phase-I drug-metabolizing enzymes. The goal of this study was to explore the difference of CE specific activity for Brain tumors as compared to the normal brain to better understand the drug metabolism. The results demonstrate that all grades of malignant and benign tumors demonstrate lower levels of CE activity compared to normal brain. The suggestion is therefore that this decrease in CE activity might be helpful in managing and monitoring chemotherapy in patients with these tumors. However, no particular drug is effective in treating either a benign meningioma or a malignant glioma. Therefore, the efficacy of the findings regarding carboxylesterase in treating brain tumors is unclear.</p>	
Compulsory REVISION comments	<p>A better understanding of the implications of this data regarding carboxylesterases needs to be better defined. The information provided in this manuscript certainly will not currently provide any guidance to the treatment of these tumors. In particular, the treatment remains to be surgery for benign tumors and surgery/radiation therapy for malignant tumors. Chemotherapy has a small role in the management of gliomas and is not used for meningiomas. Furthermore no drug is particularly efficacious for gliomas.</p>	
Minor REVISION comments		
Optional/General comments		

PART 2:

	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)
Are there ethical issues in this manuscript?	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

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