

Synthesis of PLGA nanoparticles of tea polyphenols and their strong in vivo protective effect against chemically induced DNA damage [Erratum]

Srivastava AK, Bhatnagar P, Singh M, et al. *Int J Nanomedicine*. 2013;8:1451–1462.

Upon reviewing the article, the authors noticed the PCR gel images were difficult to view in Figures 6

and 7 (pages 1458 and 1459). The authors confirm that the higher resolution figures provided do not impact the findings of the study. Figures 6 and 7 should be presented as follows:

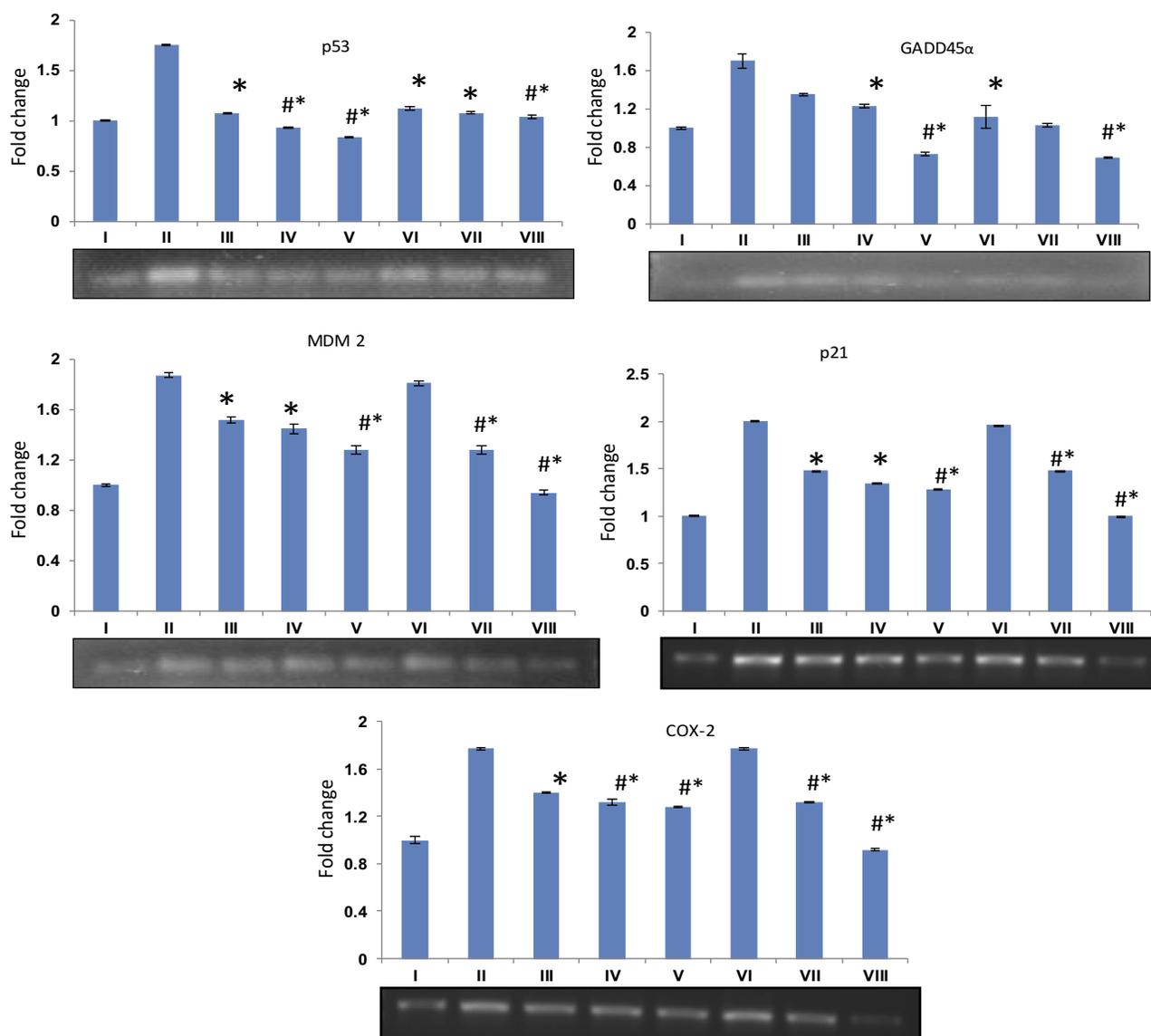


Figure 6 Effect of bulk and PLGA-loaded tea polyphenols on the transcription of DNA damage responsive genes. The pixel density of the specific mRNA expression bands was quantified by densitometry and expressed as a fold difference against β -actin.

Notes: Data shown is the result of three different experiments with similar results. The data were significant at $*P < 0.05$ in comparison to Group II; # indicates significant effect of nanotized tea polyphenol over its bulk, $P < 0.05$. Lanes: I, Control; II, DMBA (52 $\mu\text{g}/\text{mouse}$); III, TF (100 $\mu\text{g}/\text{mouse}$) + DMBA; IV, TF-loaded PLGA-NPs (5 $\mu\text{g}/\text{mouse}$) + DMBA; V, TF-loaded PLGA-NPs (20 $\mu\text{g}/\text{mouse}$) + DMBA; VI, EGCG (100 $\mu\text{g}/\text{mouse}$) + DMBA; VII, EGCG-loaded PLGA-NPs (5 $\mu\text{g}/\text{mouse}$) + DMBA; and VIII, EGCG-loaded PLGA-NPs (20 $\mu\text{g}/\text{mouse}$) + DMBA.

Abbreviations: DMBA, 7,12-dimethylbenzanthracene; EGCG, epigallocatechin-3-gallate; NP, nanoparticle; PLGA, poly(lactide-co-glycolide); TF, theaflavin.

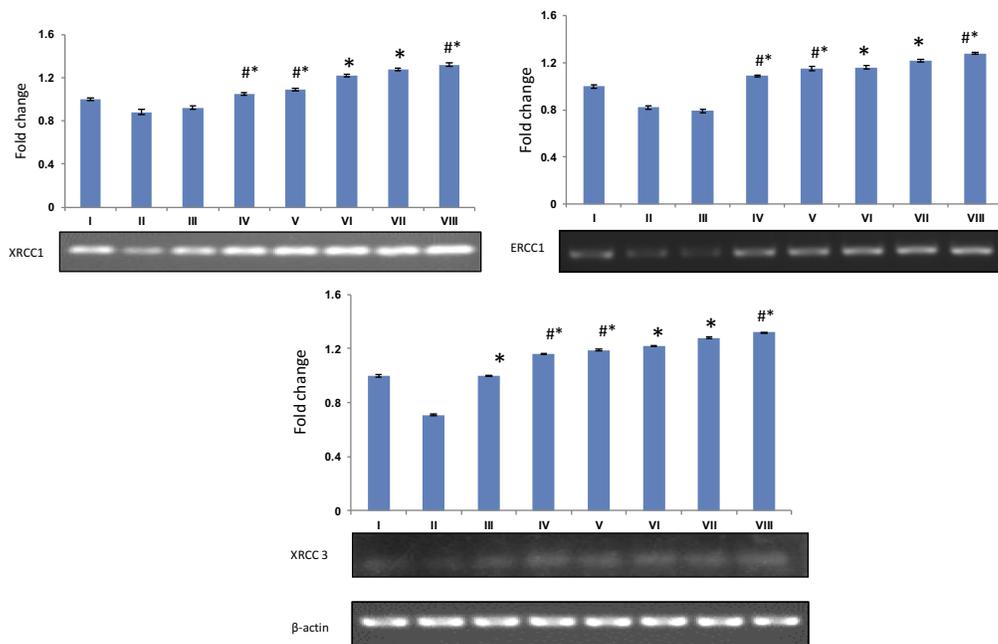


Figure 7 Effect of bulk and PLGA-loaded tea polyphenols on the transcription of DNA repair responsive genes. The pixel density of the specific mRNA expression bands was quantified by densitometry and expressed as a fold difference against β -actin.

Notes: Data shown is the result of three different experiments with similar results; the data were significant at $*P < 0.05$ in comparison with Group II; # indicates significant effect of nanotized tea polyphenol over its bulk, $P < 0.05$. Lanes: I, Control; II, DMBA (52 $\mu\text{g}/\text{mouse}$); III, TF (100 $\mu\text{g}/\text{mouse}$) + DMBA; IV, TF-loaded PLGA-NPs (5 $\mu\text{g}/\text{mouse}$) + DMBA; V, TF-loaded PLGA-NPs (20 $\mu\text{g}/\text{mouse}$) + DMBA; VI, EGCG (100 $\mu\text{g}/\text{mouse}$) + DMBA; VII, EGCG-loaded PLGA-NPs (5 $\mu\text{g}/\text{mouse}$) + DMBA, and VIII, EGCG-loaded PLGA-NPs (20 $\mu\text{g}/\text{mouse}$) + DMBA.

Abbreviations: DMBA, 7,12-dimethylbenzanthracene; EGCG, epigallocatechin-3-gallate; NP, nanoparticle; PLGA, poly(lactide-co-glycolide); TF, theaflavin.