
Comments on Inorganic Arsenic Key Science Issue 4: Concordance

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Gradient

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Science Issue 4: Concordance

Consideration for Cardiovascular Effects and Animal/Human Concordance:

- Need to incorporate clinical perspective, *e.g.*
 - Animal studies involving stimulation of vascular growth
 - Physiological relevance of experimental conditions to humans, *e.g.* concentration of fibroblast growth factor (FGF) in study *versus* in human plasma
 - Apo E^{-/-} mouse model (*e.g.* Lemaire *et al.*, 2007)
 - Differences in lipid metabolism across species
 - Differences in progression to disease (*e.g.* myocardial infraction, other confirmed indicators of human disease not reflected in rodent models) (*e.g.* Zadelaar *et al.*, 2007)