

BIOCHEMICAL CHANGES OF MALE REPRODUCTIVE FUNCTION AFTER EXPOSURE TO HEAVY METALS

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An excess exposure to heavy metals, either from natural sources or from man made industrial processes, causes harmful effects on human health. But the toxic manifestation on reproductive system is of great importance as the impact may be transmitted to the subsequent generations. Heavy metals may produce ill effects on male reproductive system at the level of synthesis of androgens, production of spermatozoa, maturation and acquirement of motility of spermatozoa and at the level of fertilization. Moreover, heavy metals produce reactive intermediates on oxido-reduction reaction and creates damages to the spermatozoal DNA strand which is observed in heavy metal exposed workers from industrial region.