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ABSTRACT This study was designed to assess total animal exposure to non-occupational but environmentally induced smoke through short-term landfill burning toxicity tests at the biochemical levels. Exposure to municipal land-fill burning using rat model focused primarily on inhalation exposure. The environmental monitoring consisted of 60 days exposure to refuse burning by evaluating the level of protein concentrations, neurotransmitter enzyme acetylcholine esterase (AcHE), and total cholesterol in different tissues of Wistar rats. Protein concentrations tended to decrease in the brain, liver and kidney and slightly increased in the plasma while acetylcholine esterase decreased in brain and liver and increased in the kidney. The non- depletion in total cholesterol levels in the tissues tended to be due to active mobilization towards tissue						Recommend to Peers	
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