

Evaluation of Comparative Effects of the Exposure of Gasoline Fumes/ Vapors on the Blood and Urine Picture of Gasoline Filling Workers of Multan City, a Populous City of Southern Punjab, Pakistan

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Abstract

Gasoline workers are continuously exposed to many kinds of harmful fumes at their working places. These fumes contain terribly dangerous pollutants which can seriously alter the urinary and hematological profiles. This could be pathological in many conditions. Aim and Objective: The aim of this study was to determine the effects (if any) of the exposure of gasoline station workers to the gasoline with special focus on CBC parameters and urinary pattern. Result: In hematological examinations of group-I, WBC Counts, EO, BA, and platelets with indices PCT and MPV were significantly increased. In Group-II, WBC counts, LY, EO, BA and platelets with indices PCT and MPV were significantly increased, whereas RBCs and HGB with their indices HCT, MCV and were significantly decreased. Significant changes in specific gravity, PH-values, Nitrate, Protein, Ketone, UGB and Bilirubin were also investigated. Significant weak negative correlations were found among RBC ($r=-0.3$, $p=0.003$), HGB ($r=-0.3$, $p=0.003$), HCT ($r=-0.3$, $p=0.003$) and MCV ($r=-0.22$, $p=0.03$) with the exposure length. Significant weak positive correlation of MO ($r=0.23$, $p=0.03$), BA ($r=0.22$, $p=0.04$) were observed with the exposure length in gasoline filling workers

Times[2]. He started his career in the Pakistani newspapers Daily Times and The News International. In 2012, he wrote a series of reports on "enforced disappearances and human rights violations in Balochistan". Following a police raid, interrogations and death threats, he fled the country, sought political asylum and lived in exile in Sweden since 2017. In 2015, he had started an online magazine called the Balochistan Times

Speaker Publications:

1. "A Truncating Mutation of CEP135 Causes Primary Microcephaly and Disturbed Centrosomal Function" AJHG, Vol.90, no.5, 871-878 2012.
2. "Impact of an Intensivist-Led Multidisciplinary Extended Rapid Response Team on Hospital-Wide Cardiopulmonary Arrests and Mortality"; Critical Care Medicine / Volume 41 - Issue 2 - p 506-517
3. "Genetic Algorithm for Hierarchical Wireless Sensor Networks"; Sajid Hussain, vol 2, no 5, 2007

[8th Global Summit and Expo on Pollution Control](#); Webinar- August 24-25, 2020, 2020.

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Biography:

Sajid Hussain (January 16, 1981 – 2020)[1] was a Baloch journalist and the editor of the online news site, the Balochistan