infiltration following chronic poisoning with PCP. In a later review of these same 17 workers, Bauer noted that 9 had symptomatic neuritis and 7 more complained of severe pain in the lower extremities. Four exhibited sensitivity disturbances, 2 had mild pain without atrophy, and 2 had impairment of the Achilles reflex[Bauer]. Triebig measured motor and sensory nerve conduction velocity in 18 workers exposed to PCP[Triebig]. He found a significant decrease of sensory nerve conduction velocities but could not demonstrate a dose response relationship. Haring-Sweeney et al did not find an association between serum levels of 2,3,7,8-TCDD and the prevalence of chronic peripheral neuropathy in a cohort of workers who had been exposd to chemicals contaminated with TCDD more than 15 years earlier[Haring-Sweeney]

Our sole positive finding of stocking decrease in pinprick sensation must be weighed against the lack of significant differences in symptoms and the lack of significant differences on neurologic examination of ankle reflexes and vibration sensation in the lower extremities. It must also be weighed against the lack of significant differences in sensory thresholds for vibration and temperature in the lower extremities, although it is possible that the dissociation of pain and temperature findings may reflect a small fiber neuropathy that is specific for pain conducting fibers. We cannot conclude, on the basis of this single abnormality, that PCP exposure was causally related to peripheral neuropathy in our group of workers.

An unexpected observation in our study was the significant difference in the prevalence of positional tremor between the Only PCP chloracne group and unexposed workers. This finding remained significant after controlling for confounders. Kleinman described a case of a PCP-exposed worker who complained of trembling hands, temperature intolerance, and chloracne[Kleinman]. In a descriptive study, Klawans observed a postural and terminal intention tremor in 35 out of 45 railroad workers involved in the clean-up of a chlorinated phenol spill[Klawans]. Since this finding was not one of our a priori hypotheses, causal inferences must await data from other studies.

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