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VALUE OF VITAMIN B₁ IN ACUTE POISONING BY CYANIDES

N. V. Pereslegin

The author injected thiamine in dogs which were given lethal doses of potassium cyanide. In one series of tests, one milligram per kilogram weight of thiamine was intravenously and subcutaneously injected 3 minutes and 10 minutes, respectively, prior to intravenous injections of 3 milligrams per kilogram weight of potassium cyanide in these dogs. No fatal results occurred in these tests.

Intravenous injection of 1-2 milligrams per kilogram weight of thiamine one minute after the injection of 3 milligrams per kilogram weight potassium cyanide prevented death in two out of five cases.

Thus, the beneficial activity of vitamin B₁ in severe poisoning by cyanides is successfully established.

It is recommended that this vitamin be made available to those people who are exposed to the danger of cyanide poisoning.

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