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Original Articles

Concentration of Copper, Iron, Zinc, Cadmium, Lead, and Nickel in Boar Semen and Relation to the Spermatozoa Quality

Peter Massányi, Jozef Trandžík, Pavol Nad, Beáta Koréneková, Magdaléna Skalická, Robert Toman  ... show all

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flagellum torso, 0.85% flagellum ball, 0.42% broken flagellum, 0.23% retention of the cytoplasmic drop, 0.14% small heads, 0.03% large heads, and 1.83% forms other of pathological changes. Correlation analysis showed significant ($p < 0.05$) positive correlation between copper and lead ($r = 0.52$). High correlation between small head and knob twisted tail ($r = 0.67$), small head and broken flagellum ($r = 0.88$) as well as between small head and total number of pathological spermatozoa ($r = 0.73$) was determined.

Keywords: Copper Iron Zinc Cadmium Lead Nickel Spermatozoa Boar

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