

ヒアルロン酸ナトリウム (SH) の 生殖・発生毒性試験 (III)

—ラットにおける皮下投与時の
周産期および授乳期投与試験—

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Reproductive and Developmental Toxicity Study on Sodium Hyaluronate (SH)

—(3) Study on Subcutaneous Administration
to Rats during the Perinatal and Lactation Period—

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ABSTRACT

A perinatal and postnatal study was conducted in Sprague-Dawley rats given sodium hyaluronate (SH), a viscosurgical drug in ophthalmology, by subcutaneous injection at doses of 8, 20 and 50 mg/kg/day, from day 17 of gestation to day 21 after delivery. Body weight in 50 mg/kg group increased, though it was presumed to depend on unabsorbed SH at injection sites. Delivery, lactation and autopsy findings did not show any abnormality. In live pups, there was no toxic effect on viability, growth, functional development and reproductive performance, and their offspring (F_2).

From these results, it is concluded that the maximum non-effective dose of SH is 50 mg/kg/day for dams and offspring.

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