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Cover: *Spermiogenesis is impaired in rabbits consequent to chronic exposure to dibromoacetic acid, a water disinfection by-product, at dosages as low as 1 mg/kg/d. One of the manifestations of aberrant spermiogenesis is a unique form of acrosomal dysgenesis characterized by a dysplastic acrosome shared by 2 or more spermatid nuclei resulting in conjoined sperm. Left panel is a differential interference contrast micrograph of ejaculated sperm from a 24-week-old rabbit; note the dysplastic acrosome shared by 2 sperm heads of the conjoined sperm. Inset light micrograph shows the origin of the defect—2 round spermatid nuclei sharing a common acrosomic vesicle. Right panel is a transmission electron micrograph of a testicular section depicting morphogenesis of conjoined sperm—2 condensing spermatid nuclei sharing a vesiculated, dysplastic acrosome resulting in fusion. See Veeramachaneni et al on page 585.*

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