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**Unusual case of drug-induced cholestasis due to glucosamine and chondroitin Sulfate**

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#### Abstract

Glucosamine (GS) and chondroitin sulfate (CS) are common over-the-counter (OTC) supplements used in the treatment of osteoarthritis. These medications are seemingly safe, but there are increasing reports of hepatotoxicity with these supplements. We reported a unique case of drug-induced cholestasis caused by GS and CS in a combination tablet. The etiology of the jaundice was overlooked despite extensive investigations over a three-month period. Unlike drug-induced hepatocellular injury, drug-induced cholestatic jaundice with GS and CS has only been reported twice before. This case emphasizes the importance of a complete medication history, especially OTC supplements, in the assessment of cholestasis.

**Key words:** Glucosamine; Chondroitin; Hepatotoxicity; Cholestasis; Jaundice

**Core tip:** Glucosamine and chondroitin sulfate are common over-the-counter medications available in North America and other countries in the treatment of osteoarthritis. We report a unique case of drug-induced cholestatic injury caused by this

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