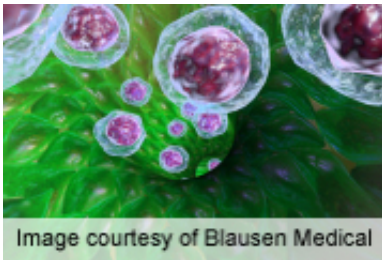


# Serum free light chain level increase precedes amyloidosis

July 25 2014

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Increased serum free light chains precede the presentation of immunoglobulin light chain amyloidosis, according to a study published online July 14 in the *Journal of Clinical Oncology*.

(HealthDay)—Increased serum free light chains (FLCs) precede the presentation of immunoglobulin light chain amyloidosis (AL amyloidosis), according to a study published online July 14 in the *Journal of Clinical Oncology*.

To characterize monoclonal immunoglobulin (M-Ig) light chains before clinical presentation of AL [amyloidosis](#), Brendan M. Weiss, M.D., from the University of Pennsylvania in Philadelphia, and colleagues evaluated prediagnostic sera from 20 cases with AL amyloidosis and 20 healthy controls matched for age, sex, race, and age of serum sample. They performed serum protein electrophoresis with immunofixation and

[serum](#) FLC analysis on all samples.

The researchers detected M-Ig in 100 percent of cases and none of the controls (P 23 mg/L was seen in 85 percent of cases and no controls (P "Increase of FLCs, including within the accepted normal range, precedes the development of AL amyloidosis for many years," the authors write.

**More information:** [Abstract](#)

[Full Text \(subscription or payment may be required\)](#)

[Editorial](#)

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