

# Predictive Factors for Kidney Stone Recurrence in Type 2 Diabetes Mellitus

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DM is associated with kidney stone disease.

## What are the predictive factors for stone recurrence in type 2 DM?

A cross-sectional study from 2013 to 2019

1,617 DM patients with stone disease

77% non-recurrent stone, **23% recurrent stone**

40% were asymptomatic

43% visited emergency department

45% required a surgical intervention

Time to recurrence 64 months

	OR	95% CI	<i>P</i> -value
Age	0.973	0.961-0.985	<.001
Insulin therapy	0.564	0.399-0.798	.001
HbA1c	1.093	1.007-1.186	.033
Urine pH	0.799	0.674-0.947	.010
Stone composition			
Calcium oxalate	1.775	1.303-2.418	<.001
Uric acid	2.312	1.316-4.063	.004

Good glycemic control and urine alkalinization should be considered as modifiable factors for recurrent stone prevention.