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Harold M Hastings\* (harold.hastings@hofstra.edu), Dept. of Physics and Astronomy -Berliner 102, 151 Hofstra University, Hempstead, NY 11549-1510, and Thomas Savino. Dynamics of the heart - a scaling analysis of RR interval series.

We discuss a scaling analysis of RR interval series using "normal" interval series available at Physionet, in terms of power law behavior of differences between interval durations, and discuss a generalized stochastic difference equation for this behavior. (Received July 16, 2010)