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Contents

I. Introduction

Ballistocardigraphy is a non-invasive and unobtrusive method used to assess the body vibrations associated with cardiac activity and can be used to estimate changes in cardiac output. As pioneer in the BCG domain Isac Starr described the BCG as resulting from reactions forces

produced when blood developments on the ballistic forces monitoring, together with the parallel assessment of the heart sounds [3], the electrocardiogram, or the pulse pressure profile [4], allowed the progress in extraction of the relations between the cardiac activity, ejected blood flow, cardiac forces and BCG wave contents.

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