# Ear to the chest - an illustrated history of the evolution of the stethoscope

# Parthenon Pub. Group - Nanotechnology in diagnostic Pathology



Description: -

Blood Pressure Determination -- history

Auscultation -- instrumentation

Stethoscopes -- historyear to the chest - an illustrated history of the evolution of the stethoscope

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#### **Evolution of the Stethoscope**

The diaphragm the other side of the head of the instrument is used to listen to different areas of the heart. The noises they make are called borborygmi and are entirely normal. The application of electronic amplifiers to the stethoscope provided the next major modification.

## A short history of stethoscopes

The following year, Cammann designed one which featured two earpieces and it was put into commercial production and has remained the golden standard for this tool. Note Type: Physical Description Notes: One device to amplify sounds for physical examination; The parts for the device are held in a black leather covered box lined with orange felt; The phonendoscope with the longer attachment in storage position measures approximately  $3 \times 9 \times 6$ .

#### The Evolution and History of Stethoscopes

Similarly, the blood flow through the arteries and veins can be heard, and when combined with a sphygmomanometer blood pressure gauge, the stethoscope can be used to measure the blood pressure. Even surgeons can place it on the abdomen to listen for the sounds of the bowel movements before and after surgery. The Phonendoscope and Its Practical Application.

#### Stethoscope

That instrument operated similarly to the alcohol thermometer, but mercury offered a more precise reading. The stethoscope detects sounds of blood passing though an artery.

### Laënnec, René

How The Idea for the Stethoscope Was Cultivated During the Autumn months of 1816, Laennec was scheduled to examine a young woman who had been laboring with heart disease symptoms.

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