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| **語言：** | 英語 |
| **摘要：** | |  | | --- | | Traditional Chinese Medicine consists essentially of three parts, acupuncture, herb medicine and pulse feeling. (While望聞, 問are common in Western Medicine). To study the complex pulse diagnosis, experimental fluid mechanics model were constructed to mimic the blood flow in living body. We found that the change of flow distribution will alter the pulse shape. Which suggests that the pulse feeling can tell us the condition of blood circulation. When we analysed the pressure from the wrist artery of human, there is no different between寸, 關and尺, there is not much difference between left and right hand either. We suggested that the purpose to differentiate寸, 關, 尺 is mainly to study the shape of the pulse by feeling three points at the same time when a pulse is passing by. The shape of each pulse is faithfully reproduced which gives the spectrum of the pressure in the artery to be the harmonics of the heart beat, this becomes our standard way to analyse the pulse shape in our studies. Rats were used as the testing animal model. Tail artery of rat was c n-nulated with a pressure transducer. We then opened the rat and found the artery to liver, kidney, spleen and etc. We clamped each of them and compare the pulse shape before and after the clamp, the relation between the clamped organ and the changing pulse shape will be discussed. | |
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