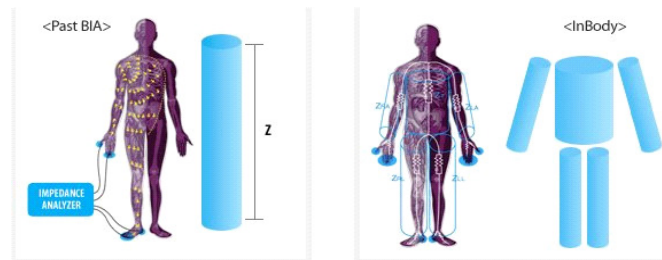
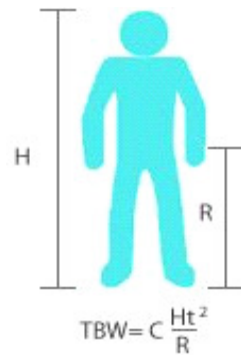


APPLICATION OF IMPEDANCE IN MEDICINE

1. Sports & Health Medicine

Body Mass Measuring Devices (ratio of lean mass to fat mass)



Body Composition Measurements

Dr. Karen R. Segal, et.al. of the Department of Medicine, College of Physicians and Surgeons, Columbia University at St. Luke's-Roosevelt Hospital Center reported:

"The Biological Impedance Analyzer resistance readings were extremely stable. They exhibited virtually no change within the five measurements when the electrodes were kept in place. The accuracy of the measurement of resistance was checked using 250, 400, 500 and 750 ohm precision resistors. The measured resistance did not deviate from the expected values by more than 2%."

Segal, K.R., Gutin, B., Presta, E., Wang, J., Van Itallie, T.: Estimation of human body composition by electrical impedance methods: a comparative study. *Journal of Applied Physiology*, 58 (5): 1565-1571, 1985.

