



Challenges in medical measurements

Professor John G. Webster ^a

^a University of Wisconsin-Madison, Madison, WI

Important historical developments in medical measurements will include X ray, ECG, MRI, signal averaging, disposable blood pressure sensor, body plethsmography, IR ear thermometer, Coulter counter, Receiver Operating Curve, and Pulse oximeter. Should we have continuous monitoring of ECG, pulse oximetry, blood pressure from the home? Can we develop an implantable glucose sensor or an implantable intracranial pressure monitor?