

Atherosclerosis and its occurrence has become a highly actual problem of the industrial world. Statistics clearly show that 50% of deaths in the Czech Republic is caused by cardiovascular diseases associated with atherosclerosis. The sooner we are able to diagnose it's early stages, the sooner adequate therapy can be initiated in order to slower the progression of already existing atherosclerotic lesions. The methods that help to diagnose asymptomatic atherosclerosis contain especially the carotid ultrasound, the coronary calcium score and ankle-brachial-index. Carotid or aortic calcifications can be also randomly found on general chest X-ray, however. Advantage of these methods is their non-invasiveness and the instant availability of results. Additionally, the costs are relatively low (with exception of CCS). All methods require adequate equipment and knowledge.