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(57) Abstract :

ABSTRACT: Title: An Advanced Detection Unit for Early Detection of Atherosclerotic Plaque in Patients and Method Thereof The present disclosure proposes an advanced atherosclerotic plaque detection unit for analyzing serum that is separated from a patient's blood, thereby detecting arterial plaques in patients at early stages. The advanced detection unit comprises an intravenous injection, the blood collection tube, the centrifuge, the serum collection tube, the contrast dye, and the antibodies. The advanced atherosclerotic plaque detection unit diagnoses cardiovascular diseases. The advanced atherosclerotic plaque detection unit aids people increase their life expectancy from cardiac arrests that are caused by late detection of arterial plaque or atherosclerosis. The advanced atherosclerotic plaque detection unit avoids formation of larger plaques by controlling them with medication or a diet suggested by a physician. The advanced atherosclerotic plaque detection unit prevents the need for expensive and invasive cardiac procedures, which include catheter insertion, stents, and bypass surgery.

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