



**Lipid and Atherosclerosis Society
of Southern Africa**

Affiliations

Society for Endocrine and Metabolic
Disease of South Africa (SEMDSA)
South African Heart Association (SAHA)

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Reference: LASSA TC12+ study Notice

NOTICE OF STUDY

The Lipid and Atherosclerosis Society of Southern Africa (LASSA) is undertaking a study which aims to expeditiously make a diagnosis and recommend appropriate treatment in patients with particularly severe primary hypercholesterolaemia and who are at extraordinary high risk of atherosclerosis and its complications. The TC12+ Study was conceived as a priority owing to the very high risk in this biochemical phenotype in whom the triglyceride concentration should be <5mmol/L.

The differential diagnosis includes heterozygous familial hypercholesterolaemia (FH), homozygous FH, double heterozygotes for LDL receptor and/or apolipoprotein B and/or PCSK9, dysbetalipoproteinaemia, and phytosterolaemia. The efficacy of statins, ezetimibe and anti-PCSK9 monoclonal antibodies as well as special diets varies amongst the diagnoses mentioned.

The study will require a questionnaire to be filled in and a blood sample to be sent. The investigators will contact the doctor and patient to ensure obtaining complete data and will initiate a set of diagnostic tests to determine the lipoprotein phenotype and genetic causes by testing for the most appropriate founder effect variants. A full report will be sent to the doctor. This information can assist in ensuring appropriate treatment.

The medical practitioner can enroll a participant by contacting Professor David Marais at david.marais@uct.ac.za or calling 021 650 2208. The full protocol will be sent if the patient is suitable for the study.

Yours sincerely,