



DBIOMARKTM - INFLAMMATION RT-PCR KIT Molecular Biomarkers of Inflammatory of Atherosclerosis

Dr. Zulhabri Othman • Management & Science University AP Dr. Norshafarina Shaari • Management & Science University Dr. Norwahidah Abdul Karim • Universiti Kebangsaan Malaysia ; Dr. Siti Azma Jusoh • Universiti Teknologi MARA Dr. Nurul Izza Nordin • SIRIM Berhad ; Norazimah Abdul Azizie • Institute for Medical Research

NOVELTY & INVESTIVENESS

MARKET & COMMERCIAL POTENTIAL

- The new RT-PCR inflammatry kit for early detection of atheroscleorsis.
- Invention using new RT-PCR techniques for higher accuracy and specificity
- Consist of five (5) potential biomarkers specific for inflamatory genes.
- IL1, VCAM1, CXCL1, IFNλ, MMP9

USEFULLNESS & APPLICATION

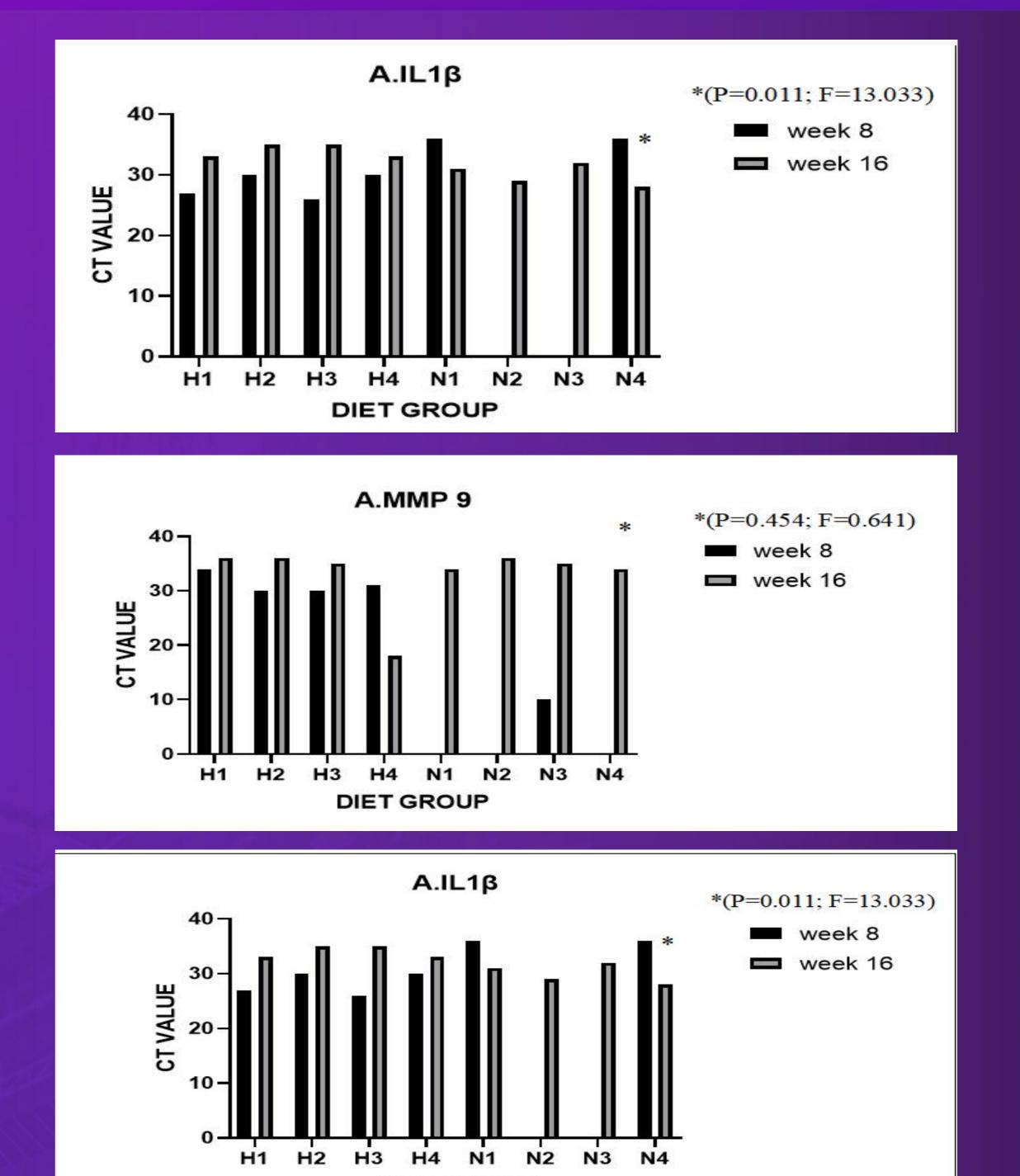
 The prevalence for premature CAD in individuals below 45 years old is about 3-10% worldwide.

- The incidence of premature CAD has not declined, and the prevalence of 3 major cardiovascular risk factors increased between 2000 and 2016
- Various sectors of health diagnostics hospital, clinics, pharmaceutical industry and research facilities.

- Cost and estimation selling price:
 - RM3500.00 / RM7500 (48 tests) / RM156/test
- Target market & potential buyers:
 - Hospital Kuala Lumpur
 - Institut Jantung Negara
 - UiTM Specialist Centre
 - Slme Darby Med.Centre
- UKM Medical Centre
- UM Medical Centre
- Hospital Serdang
- Sunway Med. Centre



RESEARCH & DEVELOPEMENT



PRESENTATION & DEMONSTRATION

- **DBIOMARK[™]** Inflammation RT-PCR kit.
- Molecular biomarkers of inflammatory genes for diagnosis of premature atherosclerosis.
- Research grant FRGS/1/2018/SKK08/02/2
- Invention status
- Intellectual Property Right (IPR) application: (LY2023W00871)
- Technology Readiness : TRL5 (Technology development)



DIET GROUP

PUBLICATIONS

Zulhabri et.al (2022). Atherosclerosis. 355, e260
Sazali et.al (2021). Nutrition & Food Science. DOI: 10.20473/jfiki.v7i1SI2020.39-47
Rustin et.al. (2021). Int. J Adv. Life Sci .Res. 4(1):31-37

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