



---

**THE ROLE OF 29326 A>G and 29209 G>A IN EXON 10 OF LOW  
DENSITY LIPOPROTEIN RECEPTOR IN FAMILIAL  
HYPERCHOLESTEROLEMIA**

- 1) **JOHN KWONG SIEW, SHIA<sup>1\*</sup>**. Integrative Pharmacogenomics Institute (iPROMISE), level 7, FF3 Building, Universiti Teknologi MARA, 42300 Bandar Puncak Alam, Selangor, MALAYSIA.
- 2) **KERINE, CANNILIA<sup>2</sup>**. Faculty of Pharmacy, Universiti Teknologi MARA, 42300 Bandar Puncak Alam, Selangor, MALAYSIA.
- 3) **LAY KEK, TEH<sup>1</sup>**. Integrative Pharmacogenomics Institute (iPROMISE), level 7, FF3 Building, Universiti Teknologi MARA, 42300 Bandar Puncak Alam, Selangor, MALAYSIA.
- 4) **MOHD ZAKI, SALLEH<sup>1</sup>**. Integrative Pharmacogenomics Institute (iPROMISE), level 7, FF3 Building, Universiti Teknologi MARA, 42300 Bandar Puncak Alam, Selangor, MALAYSIA.
- 5) **NOORAISHAH HUSSIN, SITI<sup>1</sup>**. Integrative Pharmacogenomics Institute (iPROMISE), level 7, FF3 Building, Universiti Teknologi MARA, 42300 Bandar Puncak Alam, Selangor, MALAYSIA.
- 6) **I. ISMANURA'IN<sup>1</sup>**. Integrative Pharmacogenomics Institute (iPROMISE), level 7, FF3 Building, Universiti Teknologi MARA, 42300 Bandar Puncak Alam, Selangor, MALAYSIA.
- 7) **ABDUL WAHAB, NUR JALINNA<sup>1</sup>**. Integrative Pharmacogenomics Institute (iPROMISE), level 7, FF3 Building, Universiti Teknologi MARA, 42300 Bandar Puncak Alam, Selangor, MALAYSIA.

**ABSTRACT**

Familial hypercholesterolemia (FH) is an autosomal dominant inherited disease characterized by elevated cholesterol levels. Studies have shown that polymorphism in the *LDLR* gene is one of the contributors of FH. The aim of this study is to investigate the role of polymorphisms in exon 10 of *LDLR* gene in relation to LDL