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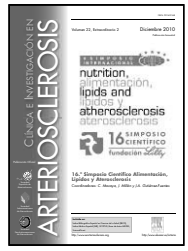

16.º SIMPOSIO CIENTÍFICO ALIMENTACIÓN, LÍPIDOS Y ATEROSCLEROSIS

HDL structure, metabolism and function: spotlight on dense HDL3

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The complex intravascular metabolism of HDL underlies their structural andfunctional heterogeneity. The anti-inflammatory and anti-oxidative activities of HDL particles are highly relevant to their atheroprotective action. Among the major HDL particle subpopulations, small dense HDL3 exhibit the most potent anti-oxidative activity on a per particle basis. Significantly, the proteome of dense HDL3 is distinct from that of other HDL subpopulations, and is a major determinant of its anti-oxidative activity. These studies support the contention that the metabolism, structure and function of HDL particles are intimately related.

Conflict of interest

The author declares he has not any conflict of interest.

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