

Do children with Down Syndrome show lipid profile disorders?

Evaluation of lipid profile of children with DS and estimation of omega-3 acids supplementation effect on serum lipid profile.

Marta Szatkowska, Dominika Zimny, Julian Maciaszek, Mikołaj Machaj, Ewa Barg
Wroclaw Medical University, Wroclaw, Poland

People with Down Syndrome are considered to be atherosclerosis-free. However, obesity predispositions and thyroid gland dysfunction that accompanies this syndrome can influence on the heart ischemic risk.

Materials and methods:

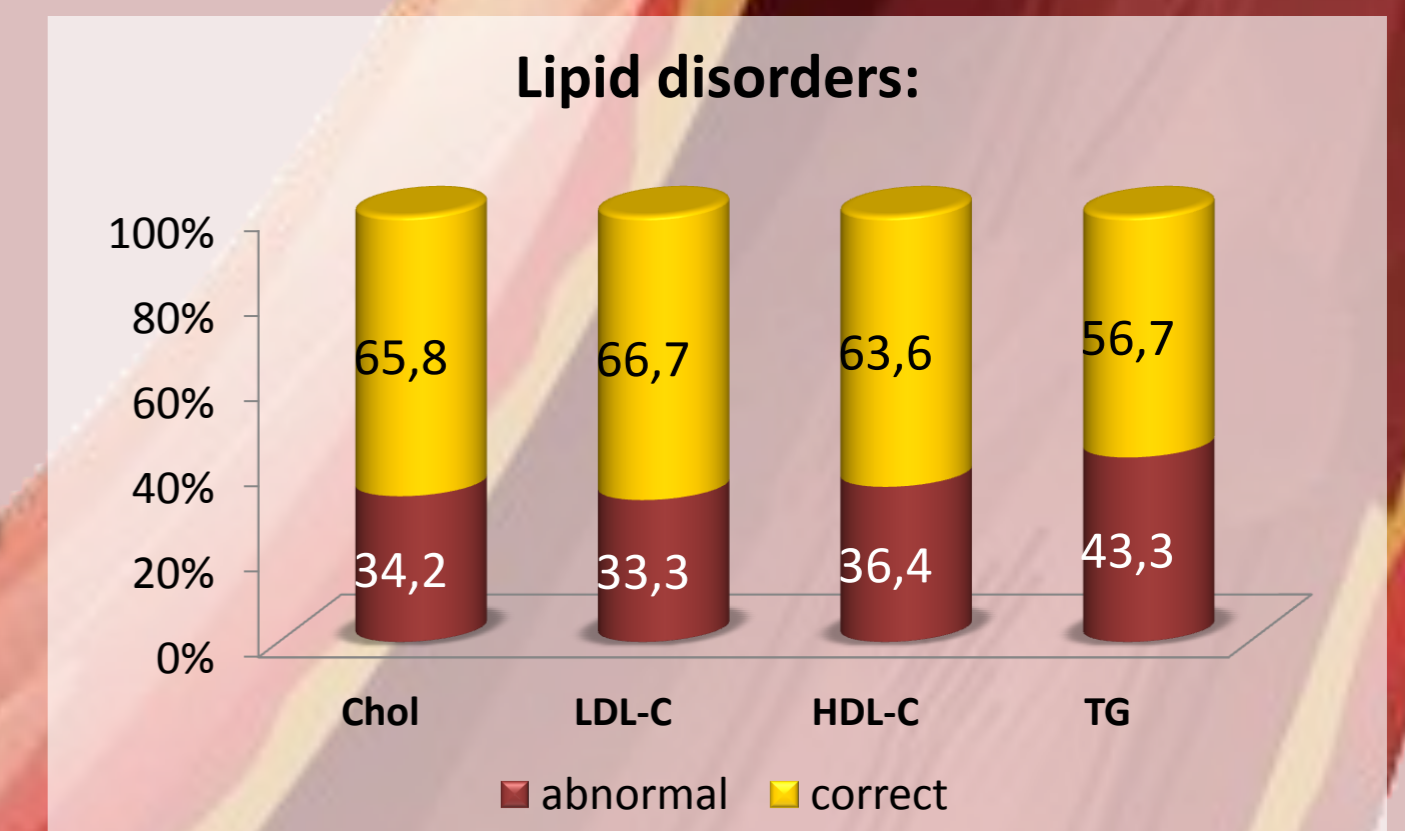
- 111 submitted responses
- 69 children enrolled in the study
- 102 lipid profile results
- Concentrations of Total Cholesterol, LDL-C, HDL-C and TG was evaluated based on growth charts for age and sex

Study group:

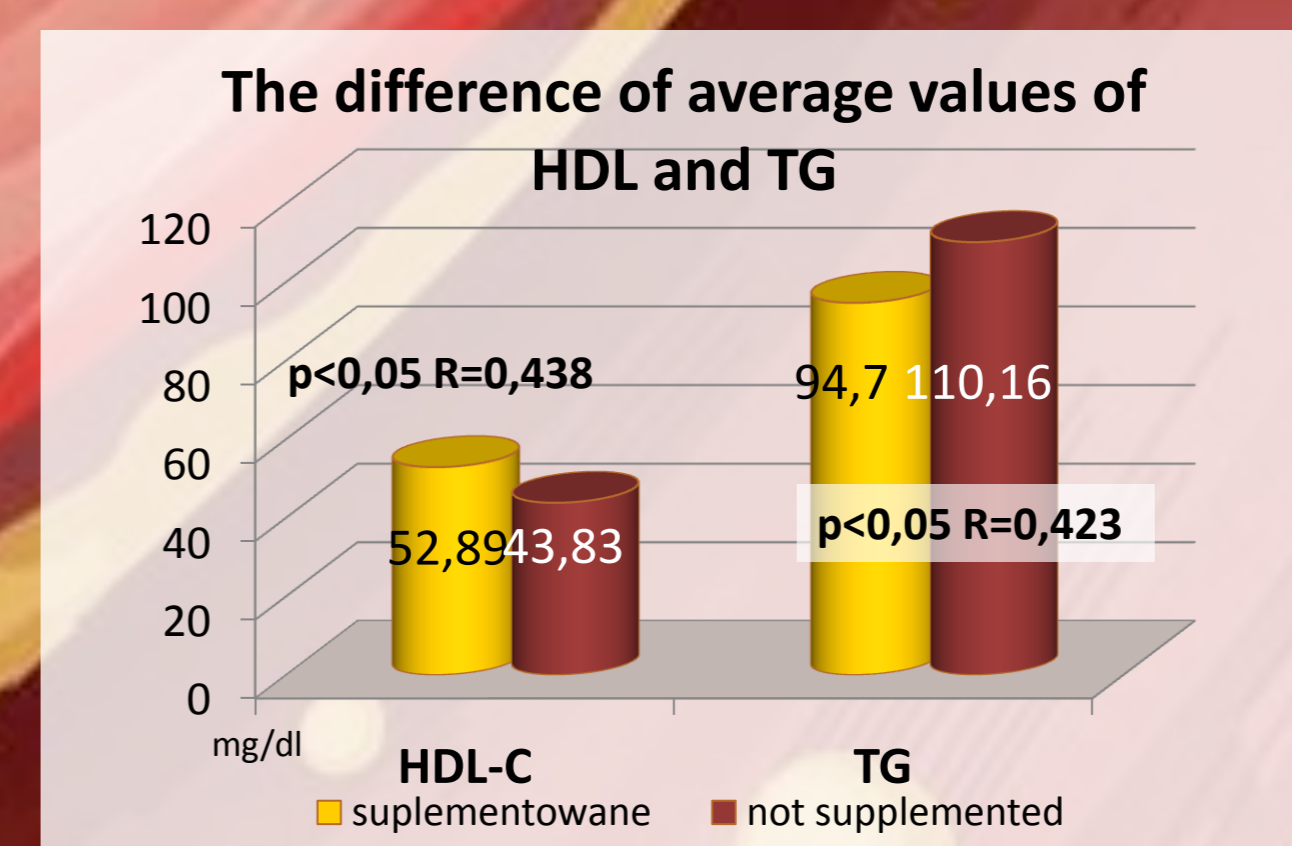
Study group	69
Boys	41
Girls	28
Age of children (years)	3,03±3,17
Supplementation group	36,4%

Results:

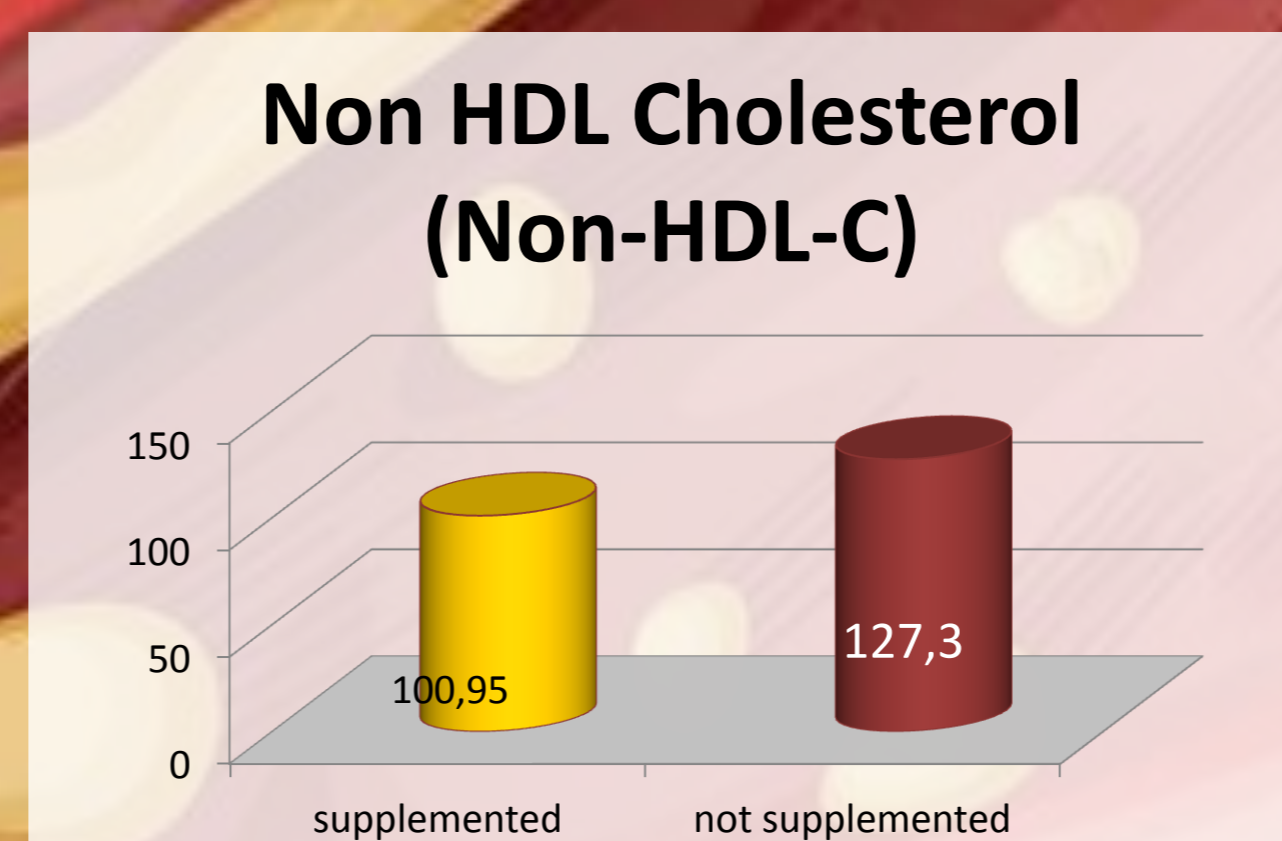
1.



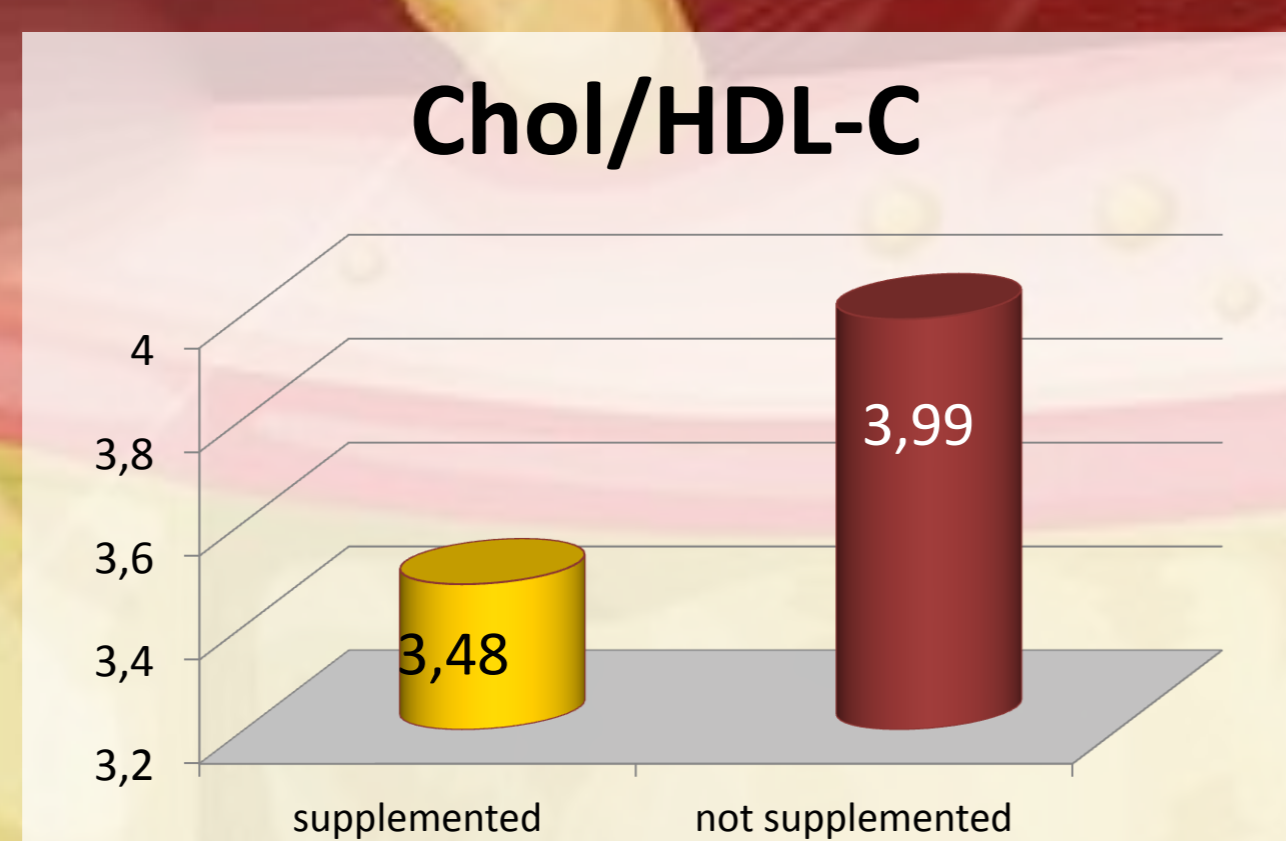
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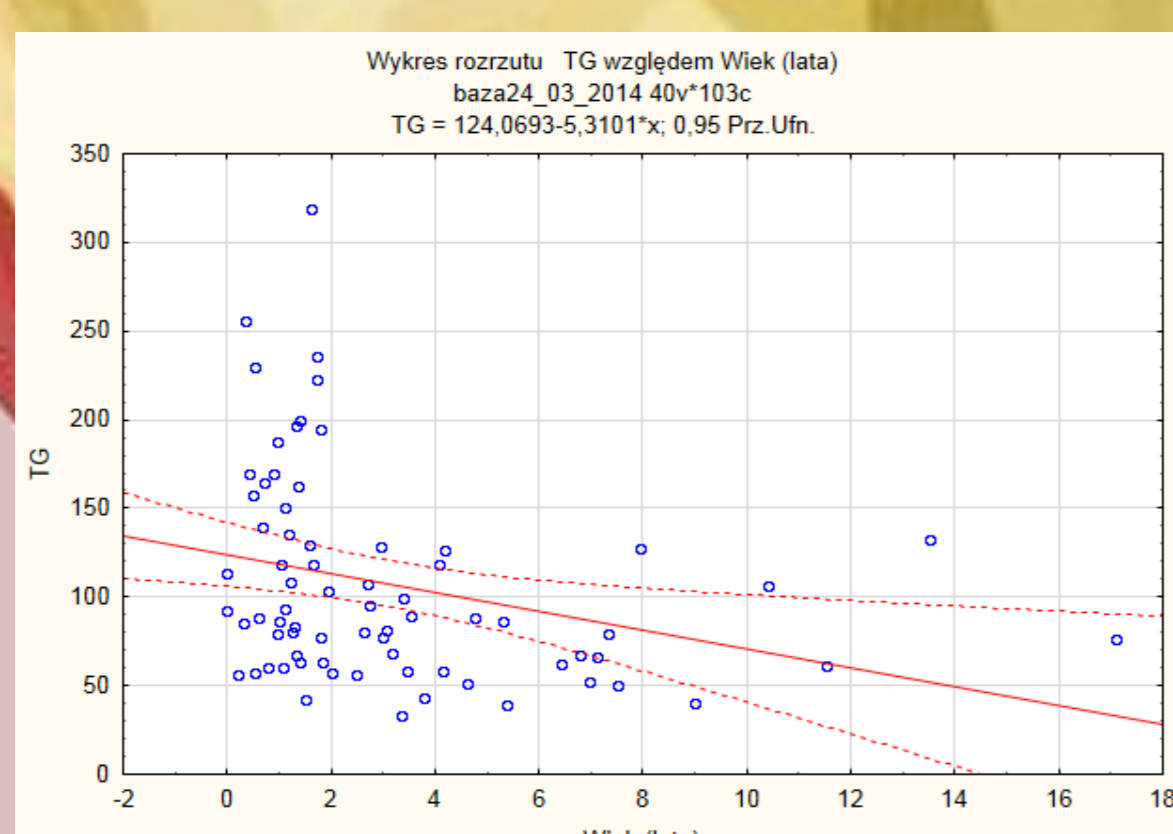
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Conclusions:

1.

- The study confirmed the presence of lipid disorders in Down syndrome.

2.

- Recommendations should be made to facilitate the monitoring and treatment of lipid disorders in this group of patients.

3.

- Supplementation with omega-3 acids is justified, due to its beneficial effects on lipid disorders.

