

()

Archive of SID

*

()

()

LDL

HDL

mg/kg

/ /

HDL

LDL

LDL

HDL

// : - // : - / / :

:

_____ - - _____ *

()

(ω3)
() LDL ()
() HDL () ()

LDL (ω3)
() () HDL ()
() LDL
()

(ω3)
HDL LDL (ω6)
(ω3)
()
()
()

ADH TSH
[Upjohn Michigan (STZ)] (ω3) ()

STZ

(.)

mg/dl

:

(Menhaden, Sigma Co Germany)

(Fish-Oil)

-

/ ml

(/ ±) mg/dl

(± /) mg/dl

%

(.)

(P< /)

(P< /)

(Cavernous Sinus)

(P< /)

(Kone Specific)

HDL

LDL

HDL

LDL

(P< /)

mg/dl

(/ ±) mg/dl

(/ ± /)

(P< /)

(P< /)

Tukey

Unpaired T-test

Mean±SEM

P< /

(± /) mg/dl

(P< /) (± /) mg/dl

()

HDL

LDL

mg/dl

LDL

(P< /)

(/ ± /)

HDL

(P< /)

()

()

()

(

HDL

LDL

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() -

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()

()

VLDL

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Archive of SID

HDL

LDL

HDL

References:

3. Stepanovic V, Awad O, Jiao C, et al. Leprdb diabetic mouse bone marrow cells inhibit skin wound vascularization but promote wound healing. *Circ Res* 2003; 92:1247-53.
4. Anderson WAD, Thomas MS. Text book of pathology. London: Mosby Co, 1984, 532.
5. Jeffcoate WJ, Harding KG. Diabetic foot ulcers. *Lancet* 2003;361:1551-4.
6. Ruthing DJ, Meckling – Gill A. Both (n-3) and (n-6) fatty acids stimulates wound healing in the rat intestinal epithelial cell line IEC-6.J. *Nurt* 1999;129:1791-8.
7. Luo J, Rizkalla SW, Vidal H, et al. Moderate intake of n-3 fatty acids for months has no detrimental effect on glucose metabolism and could ameliorate the lipid profile in type 2 diabetic man. *Diabetes care* 1998;21: 717-24.
10. Sweeney B, Puri P, Reen DJ. Polyunsaturated fatty acids influence neonatal monocyte survival. *Pediatr Surg Int* 2001;17:228-54.
11. Robertson S, Cameron NE, Cotter MA. The effect of the calcium antagonist nifedipine on peripheral nerve function in streptozotocin diabetic rats. *Diabetologica* 1992 ;35:1113-17.
12. Lands WEM. Biochemistry and physiology of n-3 fatty acids. *FASEB J* 1992;6: 2530-6.
13. Thies F, Nebe-Von-Caron G, Powel JR, et al. Dietary Supplemnatation with eicosapenaenoic acid but not with other long – chain n-3 or n-6 polyunsturated fatty acids, decreases natural killer cell activity in healthy subjects aged >55 years . *Am J Clin Nutr* 2001;73:534-48.
14. Mori TA, Vandongen R, Masaroi JR, et al. Comparison of diets supplemented with fish oil or olive oil on plasma lipoproteine in insulin – dependent diabetics. *Metabolism* 1991;40: 241-6.
15. Farmer A, Montori V. Fish oil in people with type2 diabetes mellitus. *Cochrane Database Syst Rev* 2001;3: 3205-9.
16. Conner WE. Diabetes fish oil and vascular disease. *Ann Inter Med* 1996; 123: 450- 952.
17. Petersen M, Pedersen H, Major-Pedersen A, et al. Effect of fish oil versus corn oil supplementation on LDL and HDL subclasses in type 2 diabetic patients. *Diabetes care* 2002; 25: 1704-8.
18. Morgan WA, Raskin P, Rosentock J. A comparis of fish oil or corn oil supplements in hyperlipidemic subjects with NIDDM. *Diabetes care* 1995; 18: 83-6.
19. Kasim SE. Dietary marine fish oil and insulin action in zxpe2 diabetes. *Ann N Y Acid Sci* 1993;14:250-7.
20. Giron MD, Sanchez F, Ortelano P, et al. Effect of dietary fatty acids on lipid metabolism in streptozotocin- induced diabetic rats. *Metabolism* 1999; 48: 455-60.
21. Jing L. Moderate intake of n-3 fatty acids for 2 months has detrimental effect on glucose metabolism and could ameliorate the lipid profile in type 2 diabetic men. *Diabetes Care* 1998; 21 : 717-724.
22. Kusunoki M, Tsutsumi K, Hara T, et al. Ethyl icosapentate (omega-3 fatty acid) causes accumulation lipids in skeletal muscle but suppress

insulin resistance in OLETF rats. *Metabolism* 2003; 52:30-34.

23. Hankenson KD, Watkins BA, Schoenlein IA, et al. Omega-3 fatty acids enhance ligament fibroblast collagen formation in association with changes in

interleukin-6 production. *Proc Soc Exp Biol Med* 2000; 223:88-95.

24. Ingrid T. Effect of n – 3 polyunsaturated fatty acids on glucose homesostasis and blood pressure in essential hypertension. *Ann Intern Med* 1995; 123: 911-18.

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