

SELECTED BIBLIOGRAPHY

THYMOSIN ALPHA 1 USE AS A VACCINE ADJUVANT

Nonclinical Studies:

- A. Ershler, WB, Moore, AL, and Socinski, MA (1984). *Influenza and aging: age-related changes and the effects of thymosin on the antibody response to influenza vaccine*. *Journal of Clinical Immunology* **4**: 445-454.
- B. Ershelr, WB, Hebert, JC, Blow, AJ, Granter, SR, and Lynch, J (1985). *Effect of thymosin alpha 1 on specific antibody response and susceptibility to infection in young and aged mice*. *International Journal of Immunopharmacology* **7**: 465-471.
- C. Effros, RB, Casillas A, and Walford, RL (1988). *The effect of thymosin alpha 1 on immunity to influenza in aged mice*. *Aging: Immunology and Infectoius Disease* **1**: 31-40.
- D. Ravagnan, G, Falchetti, R, DiFrancesco, P, Gaziano, R, Lanzilli, G, Favalli, C, and Garaci, E (1992). *Effect of thymosin alpha 1 on cocaine-induced inhibition of T-cell dependent murine immune response*. *Second International Symposium on Combination Therapies, Sicily, Italy*.

Clinical Studies:

ELDERLY PATIENTS (influenza vaccine):

US pilot study:

- E. Gravenstein, S, Ershler, WB, Durmaskin, S, Schwab, R, and Weksler, ME (1986). *Anti-influenza antibody response: augmentation in elderly “non-responders” by thymosin alpha 1*. The Gerontologist **26**: 150A.

US placebo-controlled study:

- F. Gravenstein, SG, Duthie, EH, Miller, BA, Roecker, E, Drinka, P, Prathipati, K, and Ershler, WB (1989). *Augmentation of influenza antibody response in elderly men by thymosin Alpha 1*. Journal of the American Geriatrics Society **37**: 1-8.

US 3-arm study:

- G. McConnell, L, Gravenstein, S, Roecker, E, Spencer, SJ, Simon, GL, and Ershler, WB (1989). *Augmentation of influenza antibody levels and reduction in attack rates in elderly subjects by thymosin alpha 1*. The Gerontologist **29**: 188A.

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HEMODIALYSIS PATIENTS (influenza vaccine):

US hemodialysis study:

- H. Shen, SY, Corteza, QB, Josselson, J, Gravenstein, S, Ershler, SB, Sadler, JH, and Chretien, P (1990). *Age-dependent enhancement of influenza vaccine responses by thymosin in chronic hemodialysis patients*. Biomedical Advances in Aging, AL Goldstein, editor. Plenum Press: New York. 523-530.

HEMODIALYSIS PATIENTS (hepatitis B vaccine):

US hemodialysis study:

- I. Shen, S, Josselson, J, McRoy, C, Sadler, J, and Chretien, P (1987). *Effects of thymosin alpha 1 on peripheral T-cell and Heptavax-B vaccination in previously non-responsive hemodialysis patients*. Hepatology **7**: 1120.
- J. Shen, SY, Josselson J, McRoy, C, Sadler, J, and Chretien, P (1987). *Effect of thymosin alpha 1 on Heptavax-B vaccination among hemodialysis patients*. Kidney International **31**: 217.

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Italian hemodialysis study:

Ruggenini, M. Clinical experiment to evaluate the effect of thymosin alpha 1 in the vaccination of dialyzed non-responders with the hepatitis B Vaccine: interim analysis. Data on file (Report from the University of Turin, Italy, Institute of Hygiene) [M].