Trilodothyronine is Independently Associated with Metabolic Syndrome in Euthyroid Middle-aged Subjects

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INTRODUCTION

Recent studies have shown associations of thyroid hormone levels with metabolic syndrome (MetS) among euthyroid individuals though there have been some inconsistencies. We evaluated the relationships between thyroid hormones and MetS components in euthyroid middle-aged subjects in a large cohort.

METHODS

Retrospective analysis of 13,496 euthyroid middle-aged subjects who participated in comprehensive health examinations was performed.

RESULTS

Baseline characteristics of study subjects.

Risk of metabolic syndrome in euthyroid subjects according to hormone quartiles.

Means for thyroid hormone levels by select metabolic syndrome components.

CONCLUSION

Serum T3 levels are independently associated with MetS in euthyroid middle-aged subjects.