



## The Relationship between Plasma Total Testosterone and Metabolic Syndrome In Male Patients

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### Abstract:

#### CONTEXT AND OBJECTIVES

Teleconsultation, part of French law since 2018, stimulated the creation of a wide range of service providers either as mere technically secure solutions or as private non-reimbursed telecommunication platforms. While the Caisse Nationale d'Assurance Maladie had predicted 500,000 teleconsultation with patients in 2019, the actual uptake turn out is a meager 31610. This indicates a wide absence of these devices amongst seniors. Objective in demand therefore is to search for improved criteria in meeting the needs of professionals and elderly patients in Teleconsultation.

#### RESULTS

WHO recommended "each patient be provided with the combination of diagnostic and therapeutic procedures to ensure the best outcome for the patient...". However, in the absence requirements for teleconsultation, clinical trials and assessments are rare\*. The majority of reports-Represent qualitative trials with little or no technology description and evaluate parameters of isolated value only (access to care, transportation, time savings, patient satisfaction). Only one Publication focussed on assessing the ergonomics of the interface\* and reported rapid related Behavioural familiarization of patients with the interface and improved physician-patient communication\*.

#### CONCLUSIONS

With respect to the vision: "right care at the right time" \*, improved clinical trials are needed to Evaluate the quality of teleconsultation interfaces in physician-patient communication and Shared medical decisions. Apart from technical smoothness special attention should be paid to Emotional and mental barriers hindering utilization of available devices and to new user-driven Strategies for their implementation.



### Biography:

My name is Dr. Muhtadi Mansour. I got my master's degree in Endocrinology and metabolism in 2019. During my master's, I researched the relationship between total plasma testosterone and metabolic syndrome (Mets) in male patients. I was interested in the metabolic syndrome because it is more prevalent than before and a lot of patients achieve the criteria of this syndrome without complaining of major symptoms. It is estimated that the prevalence of metabolic syndrome (Mets) is 20-25% of adults worldwide. On the other hand, Hypogonadism is associated with Mets and it may be a risk factor for type 2 diabetes and cardiovascular diseases. My study aimed to estimate Hypogonadism prevalence in male patients with Mets and study the relationship between plasma total testosterone levels (TT) and the Mets components. It is a cross-sectional study that included 157 patients. Body mass index (BMI), waist circumference (WC), Blood Pressure (BP) and (TT), High-density lipoprotein cholesterol (HDL-c), Triglycerides (TG) and Glucose (Glu) were assessed.

### Publication of speakers:

1. Feldman HA, Longcope C, Derby CA, Johannes CB, Araujo AB, Coviello AD, Bremner WJ, McKinlay JB . Age trends in the level of serum testosterone and other hormones in middle-aged men: longitudinal results from the Massachusetts Male Aging Study. *J Clin Endocrinol Metab* 2002; 87: 589–598.

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