

## OXYGEN TOXICITY

Adrian Macovei, M.D.

### SUMMARY

A cross-literature review on oxygen toxicity with respect to hiperoxic hyperbaric exposure

**Key words:** oxygen, toxicity, hyperbarism, malignancy

## MANAGEMENT OF CONDUCT DISORDERS IN PATIENTS WITH DEMENTIA

Maria Roxana Mazilu

### SUMMARY

The management of behavioral disorders that develop throughout the course of vascular dementia, is the most difficult activity for someone who offers looking-after. We must examine which behavior is caused by a medical problem, it is due to a change in the environment, it is worsened in certain periods of the day or in the presence of certain people. One learns to approach the patient with dementia by several closed-loop methods. Routine gives the patient with dementia certain predictability and reduces confusion and disorientation.

The management of conduct disorders and psychotic symptoms is divided into **pharmacological and non-pharmacological** approaching strategies. When conduct behaviors do not answer non-pharmacological management strategies, one must introduce specific pharmacological treatments.

The management of the behavior disorders needs the effort of the team consisting of the assistant physician, social worker, clinician psychologist, the patient's family and the patient. The team shall be prepared to make a multimodality approach, by psychotherapy, individual counseling and environment adjustment.

**Key words:** management of behavioral disorders, dementia, **pharmacological and non-pharmacological** approaching strategies,

## THE TREATMENT OF A RESISTANT DYSLIPIDEMIA – CASE PRESENTATION

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### SUMMARY

In this article it is presented the case of a military man, pilot, 48 year-old, with hypertriglyceridemia, persistent low level of HDL cholesterol, with dyslipidemia complications (ischemic heart disease), whose blood lipid values increased after the unsaturated omega-3 fatty acids treatment. It appears the question if there is drug resistance at this product or if the patient wasn't compliant enough to medical indications.

**Key words:** dyslipidemia, omega-3 fatty acids

# COMPARATIVE STUDY OF DYNAMIC BALANCE IN FALLERS AND NON FALLERS USING DYNAMIC POSTUROGRAPHY

**Maria Balasa M.D., Cristina Dolinschi M.D., Adrian Tudor M.D.**

## SUMMARY

Postural instability and falls are common reasons for physician visits among many patients. Our objective was to identify posturography parameters that are relevant for evaluating postural stability and for identifying individuals at high risk of falls.

The SYNAPSYS platform is one of the innovating devices allowing assessment of performance and providing more discriminatory factors to describe static and dynamic equilibrium in the normal and pathological subjects. It is also possible with this technique to identify the system(s) responsible for dysfunction of the equilibrium. During the same investigation we can identify the various sensorial afferences (visual, vestibular, somesthetic) involved in postural control, by order of importance.

In our study, dynamic posture was evaluated using SPS platform (SYNAPSYS) in 59 patients with age between 20-75 years.

Postural adjustments and voluntary movements were altered in the fallers, compared with non fallers

This study identified parameters for generating and measuring postural responses in patients with postural instability. Our results could be used to develop a protocol for objectively evaluating of the risk of falls in patients with postural instability and vestibular rehabilitation.

**Key words:** posturography, postural instabilities, risk of fall

## DIETS IN OBESITY

**Madalina Mototolea M.D.**

## SUMMARY

The increasing number of overweight person is accompanied by increased health risks and increased demands on health- care system for advice and treatment. Currently, the best dietary strategy for tipping the energy balance equation, in favor of weight loss is a matter of some debate among professionals and the public alike. During the last 20 years there has been a focus on decreasing fat intake. This recommendation is guided by the high energy density of all dietary fat and the link between increased risk of chronic disease and saturated fat. While “energy in versus energy out” remains the cornerstone of obesity treatment, there is still controversy whether particular macronutrients or bioactive ingredients differentially affect satiety, thermogenesis, energy bioavailability or adherence to a diet. Evidence is accumulating that the Mediterranean and low-carbohydrate diets are effective alternatives to the low-fat diet for weight loss and appear to be just as safe as the low-fat diet suggesting that these dietary strategies might be considered in clinical practice and that diets might be individualized according to personal preferences and metabolic needs .

**Key words:** weight loss, obesity, diet composition

# THYROID DISEASE IN PREGNANCY: MATERNAL AND FETAL ASPECTS

**Cristina Mirea M.D.**

## **SUMMARY**

Thyroid dysfunctions during pregnancy require special considerations affecting the course of pregnancy, and conversely, pregnancy may affect the course of these thyroid disorders. Moreover, thyroid disorders (and their management) may affect both the pregnant woman and the developing fetus. Women with thyroid disease should be metabolically compensated at time of conception in order to avoid potential problems.

**Keywords:** thyroid disease, pregnancy

# THE PSYCHOLOGIST'S ROLE IN MULTIDISCIPLINARY TEAM OF SLEEP DISORDERS DIAGNOSIS AND THERAPY

**Doina Trandafir, psychologist,**

## **SUMMARY**

Sleep is a physiological process in which the brain and the body have relaxed and active periods but with maintaining of vital functions. Sleep deprivation is associated with sleepiness, lack of concentration, mental disorders, depression, aggression, hallucinations and death after approximately 3 weeks. Sleep disorders, who affected one third of the population. There is a holistic treatment with medical and psychological elements. Thus, psychological interventions are related to regulated sleep-wake-rhythm, sleep hygiene, relaxation exercises and psychologic examination and therapy.

**Key words:** sleep disorders, psychotherapy, sleep medicine.