

WHITE-OUT AND BROWN-OUT ON GROUND-WATER INTERFACE

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SUMMARY

Whiteout and brownout are well known disorienting phenomena. The aim of this paper is to establish whether sudden passage between these two conditions would add a new layer to disorientation

Keywords: Whiteout, Brownout, Interface, Transition

MEDICO-AERONAUTICAL IMPLICATIONS FOR DETERMINING YOUR OWN LABORATORY REFERENCE INTERVALS - THE EXPERIENCE OF THE NATIONAL INSTITUTE OF AEROSPACE MEDICINE CLINICAL LABORATORY FOR GLYCATED HEMOGLOBIN

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SUMMARY

For centralized diabetes screening the analysis of **glycated haemoglobin (HbA1c)** from blood is recommended by World Health Organisation (WHO). This test was included in the methodology of medico-aeronautical examination at the beginning of year 2006. The purpose of this study is to calculate our laboratory's own reference interval for HbA1c. The terms and the formulas indicated in the international standards were respected and used.

As result of the study, we noticed a difference between the reference interval obtained in our laboratory and that one reported by the reagents manufacturer for HbA1c. This difference proves that it is really necessary for clinical laboratories to establish their own reference intervals for the tests they perform and this is of great importance in the medico-aeronautical expertise procedure.

INTERFERON ALPHA ASSOCIATED RETINOPATHY- CLINICAL FEATURES AND RISK FACTORS

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SUMMARY

Interferon belongs to a complex group of proteins with antiviral, immunomodulatory and antiproliferative activity. The applications for this class of medication include: chronic hepatitis C, childhood hemangiomas, melanoma of the skin and eye and some hematologic cancers. Various side effects are encountered after interferon alpha administration, retinopathy being considered a potentially serious one. The main risk factors for retinal complications are large therapeutic dose and concomitant systemic vascular disease.

The purpose of our article is to review the clinical features, risk factors and therapeutic implications of interferon alpha associated retinopathy, in patients suffering from chronic hepatitis C infection treated with interferon alfa 2a (pegylated interferon) and ribavirin, with clinical examples.

SYSTEMIC PREVENTION AND TREATMENT OF SKIN CANCER

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SUMMARY

Although early squamous cell (SCC) and basal cell carcinoma (BCC) of the skin are generally readily amenable to curative treatment with local surgery or radiotherapy, patients may have multifocal disease, and second primary lesions are not uncommon in patients who receive chronic ultraviolet (UV) exposure as well as in immunosuppressed and generally predisposed individuals. Additionally, treatment of advanced - aggressive disease may be associated with cosmetic and functional deformities as well as disease recurrence. These perspectives provide the impetus to develop effective systemic therapy as an adjunct to standard local approaches.

Although cytotoxic chemotherapy has been tested in anecdotal and single institution studies with mixed results, the most extensively studied systemic preventive and therapeutic approaches have integrated various retinoids alone (in chemoprevention) and in combination (in therapy). This paper will therefore summarize clinical and laboratory accomplishments relevant to the study of the use of retinoids in squamous cell carcinoma of the skin.

Key words: squamous cell and basal cell carcinoma, retinoids, alfa-interferon, combined treatment

MULTIPLE DETERMINATIONS IN ONCOLOGY

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SUMMARY

The paper follows the terms of orthocrone and metacrone cancer, their pathogenesis and the therapy methods.

SAFETY CULTURE AND SAFETY CLIMATE: A REVIEW

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SUMMARY

The purpose of the present review was to summarize and integrate the numerous studies that have been conducted to define safety culture and safety climate. A synthesis of these different perspectives was conducted to define safety climate as a temporal indicator of the safety culture.

Key words: safety, safety culture, safety climate.

CASE PRESENTATION OF PLASMACYTOID BLADDER CARCINOMA

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SUMMARY

Plasmacytoid carcinomas are rare variants, and there are only a few reported examples of plasmacytoid carcinoma of the urinary bladder in the English-language literature. (Only 8 cases documented in the literature to date).

It is important to be aware of these morphological variants that, on occasion, may lead to misinterpretation as benign. Some also require a specific therapeutic approach.

Key words: bladder carcinoma, plasmacytoid, signet ring cells