EDITORIAL

Type 2 Diabetes in Oman: Can we learn from the Lancet editorial

The recent Lancet editorial made a bold statement which should make us feel dejected: “The fact that Type 2 Diabetes, a largely preventable disorder, has reached epidemic proportion is a public health humiliation.” Since 2000, the number of people with diabetes has more than doubled to 285 million.\(^1\) As envisaged in the editorial, the situation in Oman is reviewed with reference to the burden, management and scope for research.

The World Health Organization estimates a 190% increase in the number of people living with diabetes in Oman over the next 20 years, from 75,000 in 2000 to 217,000 in 2025. Currently, more than 75% of the disease burden in Oman is attributable to non-communicable diseases (NCDs)...

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REVIEW ARTICLE

An Overview of Clinical Pharmacology of Ibuprofen

Ibuprofen is \((2RS)-1[4-(2-methyl propyl) phenyl] propionic acid (BP. 2004)\). Ibuprofen was the first member of propionic acid derivatives to be introduced in 1969 as a better alternative to Aspirin. Gastric discomfort, nausea and vomiting, though less than aspirin or indomethacin, are still the most common side effects.\(^1\) Ibuprofen is commonly used and most frequently prescribed NSAID.\(^2,3\) It is a non selective inhibitor of cyclo-oxygenase-1 (COX-1)...

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ORIGINAL ARTICLE

Association Between Seminal Plasma Copper and Magnesium levels with Oxidative Stress in Iraqi Infertile Men

Infertility is a common clinical problem, leading approximately one in six couples in the UK to seek professional advice.\(^1\) It can be primary (conception has never occurred) or secondary, and due to problems affecting either the male or the female.\(^1\) Male infertility is defined as the inability to conceive after one year of unprotected sexual intercourse.\(^2\) It continues to be a major problem for clinicians.\(^3\)
ORIGINAL ARTICLE
In Vitro Susceptibility Test of Different Clinical Isolates against Ceftriaxone
Ceftriaxone is a broad spectrum third generation cephalosporin. It is highly effective against Gram negative as well as Gram positive organisms. Ceftriaxone is unique because of its prolonged serum half-life, which permits once- or twice-daily dosing of this member of Cephalosporin family. Ceftriaxone is stable to beta-lactamases, particularly those produced by Gram-negative bacteria. It has high potency against all the Enterobacteriaceae, Haemophilus influenzae, the Nisseria and most Gram-positive cocci except Enterococcal spp. Effectiveness of an antibiotic is compromised due to... See page... 199

ORIGINAL ARTICLE
Precipitating and Relieving Factors of Migraine Headache in 200 Iraqi Kurdish patients
Migraine is an intense and chronically repeated headache, that is commonly limited to one side of the head, but can occur as a generalized throbbing headache with extension down to the neck or even the body. Clinically, there are many variant forms but migraine without aura (previously common migraine) is the commonest form. Migraine headaches can affect many people and women are slightly more susceptible than men. It is the second most common cause of headache, afflicts approximately 15% of women and 6% of men. Potential headache precipitating factors... See page... 212

<table>
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Development of the visual system (VS) is a very complex process that is started in prenatal stages and continues after birth. Visual system development after birth is caused by an increase in neuronal size and in glial cell number, sprouting, production of synapses and myelination. These changes are dependent to specific visual stimulus, Light. Therefore, any kind of light deprivation can disturb the developing visual system. The most plastic stages in the development of Visual System are called Critical Sensitive Periods in which light stimulus is critical for development of... See page... 179