RCSI Bahrain Publications 2013 with abstracts

#### 87. Al-Baharna MM, Whitford DL. Clinical Audit of Diabetes Care in the Bahrain Defence Forces Hospital. Sultan Oaboos University Med J. 2013:13(4):520-6.

Objectives: Primary care audits in Bahrain have consistently revealed a failure to meet recognised standards of delivery of process and outcome measures to patients with diabetes. This study aimed to establish

the first time the quality of diabetes care in a Bahraini hospital setting, Methods. A retrospective clinical audit was consided of a random sample of patients attending the Bushees and Endoncine Center at the Bahrain Defence Forces Hospital over a 15-month period which ended in June 2010. The medical records of 287 patients with Forces Hospital over a 15-month period which ended in June 2010. The medical records of 287 patients with was performed. Results: Of the patients, 47% were male, with a median age of 54 years, and 5% had type 1 diabeters.

Measured processes, including haemoplobin A1c, Bood pressure, Jipids, crealinine and weight, were recorded in over 90% of the planters. Smoding (6%) and the patient s body mass index (19%) were less frequently recorded. Screening for complications was low, with retinal screening in 42%, Bod inspector in 22% and microalbuminutia in 23% of patients. Conclusion: This study shows that the implementation of recognised evidence-based practice continues to pose challenges in routine clinical care. Screening levels for the complications of diabetes verse low in this hospital diabetes clinic. It is important to implementar a systematic approach to diabetes care to improve the quality of care of patients with diabetes which could lead to a lowering of cardiovascular risk and a reduction in mealthcare costs in the long term.

 Alqahtani MM, AlAbsi MF. Comparative analysis between levofloxacin and ciprofloxacin to assess their bactericidal activity using antimicrobial susceptibility disk diffusion on isolates obtained from urine samples. J Bahrain Med Soc. 2013;24(2):53-5.

Background: Urinary tract infection is one of the most common clinical presentations at the Bahrain Defence Force Hospital (BoPH) where fucion/punioned (ciprofloxonii) is the first-line prescribed antiblicit. Levelfoxacin has recently been added to the antibiotic formulary. This study was based on culture-positive urine specimens collected in the period February 1 to August 31, 2011. The objective of this study was to analyze the antimicrobial sensitivity of ciprofloxocin compared to levelfoxocin on clinical isolates obtained from patients with UTI at BDFH. Methods: The sensitivity analysis on both antibiotics was carried out using 5-microgram disk diffusion on 452 isolates Obtained from patients. The in-vitro activity of the two force-quinolones was evaluated based on the Laborator's Englisher institute (CLS, 2011).

Results: Overall levofloxacian provided an improved sensitivity response in patients with culture-positive Enterbolacteriaces ("1%) as compared to ciprofloxacin ("6"%), in addition, the culture results showed that the most common UTI causative organisms in EDPT were E-col (63.9 %), followed by Klabsiella pneumonia difference (pc. 00%) in response to the two fluorouginations among the four groups of organisms. Levofloxacin showed statistically significant disk diffusion susceptibility response among E-col (M-20.38, 95% CI (18.9), 22.07) and Klabsiella pneumoniae (M-20.38, 95% CI (18.45, 28.22) pp. 01/1, while there was no significant difference in disk diffusion susceptibility response among Proteas species and Pseudomonas aeruginosa. With E-col and Klabsiella pneumoniae (Most culture positive unre specimens.)

 AlQaseer A, AlAradi A. Immediate versus delayed laparoscopic cholecystectomy in patients with acute cholecystitis: A retrospective audit. Journal of the Bahrain Medical Society. 2013 //:24(3):108-11.

Background: Laparoscopic cholecystectomy has become the gold standard for the surgical treatment of acute cholecystils. However, controversies still arise reparding the timing of the laparoscopic paroper hor optimum results. The aim of this study is to compare outcomes of early laparoscopic cholecystectomy versus delayed laparoscopic cholecystectomy. Wendo Lburing a 12-month period (10/1011-10/041/2) all aparoscopic cholecystectomies were reviewed. Pre-operative, operative, and post-operative clinical notes and first were collected. A total of 3p batterist were included in this audit as they met the selection criteria, with 24 patients in the early group, versus 19 in the delayed. Of these, 29 were female and 14 male with a mean age of 41.3 years convicted in the selection criteria, with 24 patients in the early group. There was necessary in one patient in the early group. There was no morbodity, mortality, or injury to the common bile duct during this period. No significant difference was seen in terms of post-operative complications. Mean immediate post-surpery boxplast lay was 10.4 days for the early group. There compared with 1.35.

days in the delayed. Conclusion: Early laparoscopic cholecystedomy for acute cholecystilis, within 48-72 hours of presenting symptoms, has proven to be the preferred approach by both surgeons and patients. It allows for a shorter hospital stay, satisfactory complication levels and reduced costs. A policy should be implemented to evaluate each patient individually, and consider associated co-mortifiles and surgeons' excerners.

#### 90. Al-Saie AM, Henari FZ, Souier T, Bououdina M. Structural, optical and nonlinear optics properties of highly doped molybdenum indium oxide thin film. Journal of Materials Science: Materials in Electronics. 2013 /1:1-8.

Molybdamum (Mo)-doped Inc203 hin film with 10 w/fit was successfully prepared by evaporation method. After annealing at 800° of the film changes it colour from very dark to a clear transparent film. SEM and AFM analysis reveal that the film is continuous with high metallic coverage 8g198 % and exhibits a granular structure with typical grain size of 50 mm. More interestingly, the film shows more than 90 % transparency from value to near infrared region and with wide optical band gap of 42.6 eV. The widening of the band gap is due to the Burstein-infrared region and with wide optical broad gap of 42.6 eV. The widening of the band gap is due to the Burstein-formation that senhancing is electrical properties. The nonlinear optical properties of Mo-doped In2O3 film with gass substate were investigated using 2-scan between chuffer or exclusion the film exhibit large reverse film were measured and found that the imaginary part which arises from the change in absorption is dominant. © 2013 Springer Science Pulsarses Minde New York.

 Borgan SM, Marhoon ZA, Whitford DL. Beliefs and Perceptions Toward Quitting Waterpipe Smoking Among Cafe Waterpipe Tobacco Smokers in Bahrain. Nicotine & tobacco research: official journal of the Society for Research on Nicotine and Tobacco. 2013 May 14. PubMed PMID: 23674839. Fpub 2013/06/16. Fpn.

INTRODUCTION: There is a rising prevalence of waterpipe smoking worldwide, but still a paucity of information on perceptions toward quitting waterpipe use. We set out to establish the beliefs and perceptions of cafe waterpipe smokers toward quitting waterpipe smoking in the Kingdom of Bahrain, METHODS; A cross-sectional study. A random sample of 20 of 91 cafes serving waterpipe tobacco in Bahrain was taken. A guestionnaire was administered in each cafe to 20 participants aged 18 and above. RESULTS: Three hundred eighty participants completed questionnaires from waterpipe smokers. Eighty-four percent of participants were Bahraini and 71% have a university degree. Mean age was 28.9 years. Average age of waterpipe smoking initiation was 20.3 years. The majority of waterpipe users chose flavored tobacco. Sixty-one percent smoked waterpipe tobacco daily with a mean smoking time of 2.6hr/day. Seventy-two percent considered waterpipe tobacco as harmful as or more harmful than cigarettes, but 67% considered cigarettes as more addictive. Eighty-two percent stated that they could guit waterpipe at any time, but only 40% were interested in guitting. Interest in guitting smoking was related to 4 variables; a physician mentioning the need to guit smoking, being non-Bahraini, having a family with a hostile attitude toward waterpipe smoking, and not considering oneself "hooked" on waterpipe tobacco. CONCLUSIONS: Waterpipe smokers in Bahrain cafes are frequent and high users. Health professionals must consider waterpipe smoking in all consultations and health promotion messages. A partnership between health professionals and disapproving members of families may be an effective strategy in encouraging waterpipe smokers to quit.

 Dakhel AA, Jasim KE, Cassidy S, Henari FZ. Extraction and dielectric properties of curcuminoid films grown on Si substrate for high-k dielectric applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology. 2013;178(16):1062-7.

Curcuminoids were extracted from turmeric powder and evaporated in vacuum to prepare thin films on p-Si and glass substrates for diselection and optical investigations. The optical absorption spectrum of the prepared amorphous film was not identical to that of the molecular one, which was identified by a strong wide absorption band in between 2–22 and 549 nm. The onset energy of the optical absorption of the film was calculated by using Hamiltonia of the minus calculated by the minus of the minus calculated by the minus of the minus calculated by the minus of the

 Grey I, Al-Saihati BA, Al-Haddad M, McClean B. Reasons for referral, intervention approaches and demographic characteristics of clients with intellectual disability attending adult psychiatric outpatient services in the Kingdom of Bahrain. Journal of Intellectual Disability Research. 2013 II.

Background: Relatively little information is available regarding the use of psychiatric services by individuals with intellectual disability (Di) in Anab countries. The current study aimed to identify (1) the reasons for referral; (2) demographic characteristics of individuals referred; (3) previous contact with child psychiatric services; (4) epsychiatric desprose; (5) level of (1), of nature of interventions; and (7) patterns of medication usage in individuals attending a specialist psychiatric service for individuals with an ID in the Kingdom of Bahrain. Method: Case file analysis was used. Files that recorded attending one at the specialist service within a specific calendar year were selected. A total of 537 files were available for review and 79 contained records indicating the mixture of the selection of

 Hayes A, Holden C, Gaynor D, Kavanagh B, Otoom S. Bridging the gap: A program to enhance medical students' learning experience in the foundation year. Bahrain Medical Bulletin. 2013;35(4).

Objective: To evaluate students' perceptions of the intervention program based on small group teaching, regular continuous assessment, science-based latiened study skills program and recorded attendance on students' enhanced learning experience in the first year of study in an outcome-based medical course. Design: Descriptive students are program of the students of the Royal College of Suppose in Indiand- Medical University of Barbarian (ROS) Barbarian jater the completion of the first semester to explore whether these interventions enriched the students' learning experience or not. Comparison of pass rates in all modules over the four years were also included. Students' perceptions of the academic study skills course were collected through a questionnaire activity (version 2007/120102) via the programm and third-sevel courses. The majority of questionnaire items were rated positively and the comprision of pass arises showed the highest results in the year the intervention was implemented. Conclusion: Making local adaptations to medical programs without changing the core curriculum improvements in the delivery of programs in universities.

95. Henari FZ, Cassidy S, Jasim KE, Dakhel AA. Nonlinear refractive index measurements of curcumin with CW laser. Journal of Nonlinear Optical Physics and Materials. 2013 //;22(2).

We report on the measurements of the nonlinear reflective index ocerflicient for cucrum at three different wewlengths using a Z-scan technique. This material is bound to be a new type or natural nonlinear media. It shows a large negative nonlinear refractive index of the order of 10-6 cm 2W. The origin of the nonlinearity was investigated by comparison of the formalism that is known as the Gaussian decomposition model with the themal lens model. The nonlinear refractive index was found to vary with intensity and reveals that curcumin can be a promising material for optical limiting. © 2013 World's Scientific Publishing Company.

96. Henari FZ, Jasim KE. All optical switching in henna thin film. Applied Physics B: Lasers and Optics. 2013 //:1-5.

The optical nonlinearity in harma (Lawson (2' - Motox)+1.4 naphthoquinone) film was utilized to demonstrate all optical switching. The nonlinear absorbing on the hornal film was calculated by measuring the transmission of the laser beam (1-488 mm) as a function of incident light intensities. The observed nonlinear absorption is attributed to a two-photon absorption process. The pump and problem elser-fine was used to demonstrate all optical switching. The switching characteristics can be utilized to generate all-optical logic gates such as simple inverter switches (NOT) NOR. AND NAND logic functions. © 2013 Science-Verlag Berin Heidelberro.

 Horobin RW, Rashid-Doubell F. Predicting small molecule fluorescent probe localization in living cells using QSAR modeling. 2. Specifying probe, protocol and cell factors; selecting QSAR models; predicting entry and localization. Biotechnic and Histochemistry. 2013 Il:88(8):461-76.

We describe the practical issues and the methodological procedures that must be carried out to construct and use GSAR models for predicting localization of probes in single cells. We address first the determination of probe inclose starting with a consideration of the chemical nature of probe molecules present. What is their identify? Do are proposed to the consideration of the chemical nature of probe molecules present. What is their identify? To each probe species, his derivation of the following numerical structure parameters, or descriptors, is set out with worked examples of electric charge and acid/base strength (2 and prise), hydrophilicity/lopaliticy/lopa

 Horobin RW, Rashid-Doubell F, Pediani JD, Milligan G. Predicting small molecule fluorescent probe localization in living cells using QSAR modeling. 1.
Overview and models for probes of structure, properties and function in single cells. Biotechnic and Histochemistry. 2013 //;88(8):440-60.
Small molecule fluorochromes (swonowns: biosensors, ohemosensors, fluorescent probes, vital stains) are widely

used to investigate the structure, composition, physicochemical properties and biological functions of living cells

tissues and organisms. Selective entrly and accumulation within particular cells and cellular structures are key processes for achieving these diverse objectives. Despite the complexities, probes ortuinly are applied using standard protocols, often without experimenter awareness of what factors that control accumulation and conclusation. The mechanisms of many such selective accumulations, however, now are known. Merover, the influence of physicochemical properties of probes on their uptake and localization often can be defined interesting the production of the production of the production of the repaired control of the production of the production of the repaired control of the production of such approach and commission.

 Horobin RW, Stockert JC, Rashid-Doubell F. Uptake and localisation of smallmolecule fluorescent probes in living cells: a critical appraisal of QSAR models and a case study concerning probes for DNA and RNA. Histochemistry and Cell Biology. 2013 #:1-15.

Small-indectuel fluorochromes are used in biology and medicine to generate informative microscopic and macroscopic images, permitting identification of cell structures, measurement of physiological/bysiochemical properties, assessment of biological functions and assay of chemical components. Modes of uptake and precise interactilitat localisation of a probe are bysically significant. These processes and localisations can be predicted using quantitative structure activity relations (QSAR) models, which contribute and precise in the properties of t

100. Jassim GA, Whitford DL. Quality of life of Bahraini women with breast cancer: a cross sectional study. BMC cancer. 2013;13:212. PubMed PMID: 23622020. Pubmed Central PMCID: PMC5844231. Epub 2013/04/30. epu

BACKGROUND: Breast cancer can impact survivors in many aspects of their life. Scarce information is currently available on the quality of life of cancer survivors in Bahrain. The objective of this study is to describe the quality of life of Bahraini women with breast cancer and its association with their sociodemographic and clinical data. METHODS: This is a cross sectional study in which the European Organization for Research and Treatment of Cancer Quality of Life Cancer Specific version translated into Arabic was administered to a random sample of 337 Bahraini women with breast cancer. Relevant descriptive statistics were computed for all items. The equality of means across the categories of each categorical independent variable was tested using parametric tests (ANOVA and independent t-test) or non-parametric tests (Kruskal Wallis and Mann Whitney tests) of association where appropriate, RESULTS; Of the total sample, 239 consented to participation. The mean and median age of participants were 50.2 (SD +/- 11.1) and 48.0 respectively. Participants had a mean score for global health of 63.9 (95% CI 61.21-66.66). Among functional scales, social functioning scored the highest (Mean 77.5 [95% CI 73.65-81.38)) whereas emotional functioning scored the lowest (63.4 [95% CI 59.12-67.71]). The most distressing symptom on the symptom scales was fatigability (Mean 35.2 [95% CI 31.38-39.18]). Using the disease specific tool it was found that sexual functioning scored the lowest (Mean 25.9 [95% CI 70.23-77.90]). On the symptom scale, upset due to hair loss scored the highest (Mean 46.3 (95% CI 37.82-54.84)). Significant mean differences were noted for many functional and symptom scales. CONCLUSION: Bahraini breast cancer survivors reported favorable overall global quality of life. Factors associated with a major reduction in all domains of quality of life included the presence of metastases, having had a mastectomy as opposed to a lumpectomy and a shorter time elapsed since diagnosis. Poorest functioning was noted in the emotional and sexual domains. The most bothersome symptoms were fatigability, upset due to hair loss and arm symptoms. This study identifies the categories of women at risk of poorer quality of life after breast cancer and the issues that most need to be addressed in this Middle East society.

# 101. Loh KP, Ghorab H, Clarke E, Conroy R, Barlow J. Medical students' knowledge, perceptions, and interest in complementary and alternative medicine. Journal of Alternative and Complementary Medicine. 2013 [1:9]4):360-6.

Background: Complementary and alternative medicine (CAM) is a growing industry in the health care system. In Ireland, to date there has not been a study that evaluates the knowledge of, interest in, and attitude of frish medical students toward CAM. Objectives: This research can serve as a pilot study to inform Irish medical schools on the need to introduce CAM into the medical curriculum. Materials and Methods: The survey instrument was a modified design based on previously published studies carried out in other geographical areas, All medical students within the undergraduate and graduate entry programs (GEP) at the Royal College of Surgeons in Ireland were invited to participate in the study. SPSS software was used to analyze the results of the questionnaires, Results: The survey completion rate was 20.1%, A majority of students (78.4%) thought that CAM knowledge is important for their future career as physicians. Approximately 65% of students reported that they have not acquired sufficient knowledge about CAM from medical school, and 50.2% of students believe CAM should be incorporated into the medical curriculum. Preclinical years (49.4%) were suggested as the most appropriate time to learn about CAM. Knowledge of CAM modalities was generally rated as minimal or none by students. Among the 15 CAM modalities incorporated in the survey, massage, acupuncture, and meditation received the highest interest from students. Students who believe in a religion had a higher interest in CAM (p<0.05). In terms of their personal view, massage, spirituality, and acupuncture received the highest positive responses, Attitudes toward CAM were positive from students, Lower willingness to use CAM was seen in clinical students (p<0.05). Conclusions: It is important for the faculty of Irish medical schools to consider the possibility of integrating CAM education into the conventional medical curriculum in a systematic manner to better prepare students in their future career. @ Copyright 2013, Mary Ann Liebert, Inc. 2013.

## 102. McDonald C, Whyte T, Taylor SM, Sanz S, Brechin EK, Gaynor D, et al. Progressive decoration of pentanuclear Cu(ii) 12-metallacrown-4 nodes towards targeted 1- and 2D extended networks. CrystEngComm. 2013 //:15(34):6672-81.

The synthesis, structures and magnetic characterisation of a family of discrete planar pentanuclear Cu(ii) 12-MC-4 metalliacrowan of formulae (DL GL14)Mc(bH)41(ClO4) 21), (DLGL114(bp) 2[ClC4)-2p y (2), (Du5(L-1)4(bp)41)(ClO4) 21) and (DLGL12)4(Mc(bH)41)(ClO4)22+H2O (7) (where L1H 2 = 2.4 mino)phenylhydroxamia caid and L2H 2 = 2.4 mino)phenylhydroxamia caid) are reported. UV-vis and

Electrospray MS studies indicate solution stability with respect to their (£u5(L)H)2+ cores. Magnetic susceptibility measurements confirm strong antiferromagnetic exchange between the Cu(ii) ions resulting in isolated S = 1/2 ground spin states. The introduction of dilopic co-ligands such as 4.4\*-bipyridine (4.4\*-bipyr), pyrazine (pz) and 4.4\*-azopyridine (4.4\*-azp) results in their coordination at a number of axial Cu(ii) sites within the (Cu(ii)).

metallacrown nodes to afford the extended networks ([Cu5(L1)4(4, 4'-bipy)3](ClO4)2' (H 2O))n (4), ([Cu5(L1) 4(4,4'-ap)2)(MeOH)2[ClO 4)2' (H 2O))n (4), ([Cu5(L2)4(pz)2(MeOH)3](ClO 4)2' (MeOH)3 (6). © 2013 The Royal Society of Chemistry.

103. Parsanezhad ME, Jahromi BN, Salarian L, Parsa-Nezhad M. Surgical management of a rare form of cervical dysgenesis with normal vagina, normal vaginal portion of the cervix and obstructed uterus. Archives of Iranian Medicine. 2013;16(4):246-8.

This case was an extremely rare form of cervical dyagenesis that presented with cyclic pain. Diagnostic laparoscopy and vaginoscopy showed the presence of a blind uterus at the level of the internal cervical os with a normal vagina and exocervic. Multierian ducts are the embryologic origin for the uterus, cervix and upper part of the Multierian system. Therefore an obstructed uterus is usually associated with cervical and upper vaginal anomalies. This case was unusual because of the presence of an isolated segmental attests at the level of the internal cervical os. However the vaginal portion of the cervix, vagina and urinary system were normal. We theorized that the absence of an appropriate fusion between the Multierian duct and its underlying mescedime, loss of cell-to-diccommunication and special gene caused liss anomaly. The patient underlying mescedime, loss of cell-to-discontine control of pestion implify these caused liss anomaly. The patient underlying the colories of the cervix of the cervix of the use of the use of the uservix of the use of t

104. Reefy SA, Kameshki R, Sada DA, Elewah AA, Awadhi AA, Awadhi KA. Intracystic papillary breast cancer: A clinical update. ecancermedicalscience. 2013:7(1).

Introduction: Intracystic (encysted) papillary cancer (IPC) is a rare entity of breast cancer accounting for approximately (1-2%) of all breast tumours [11, usually presenting in postmenopausal women and having an elusive natural history. The prediction of the biological behaviour of this rare form of breast cancer and the clinical outcome showed its overall favourable prognosis; however, its consideration as a form of ductal carcinoma in situ with non-invasive nature is to be reconsidered as it has been shown to present histologically with invasion of basement membrane and even metastasis [2]. The objective of this review is to shed some light on this rare, diagnostically challenging form of breast cancer, including its radiological, histological, and molecular characteristics and its pathological classification. The final goal is to optimize the clinical management including the role of sentinel lymph node biopsy (SLNB), general management with adjuvant radiotherapy (RT), mammary ductoscopy and hormonal treatment. Methods: A literature review facilitated by Medline. PubMed, and the Cochrane database, was carried out using the terms 'Intracystic (encysted) papillary breast cancer', Results; Intracystic papillary breast cancer (IPC) is best managed in the context of a multidisciplinary team. Surgical excision of the lump with margins in excess of 2 mm is considered satisfactory. Sentinel lymph node biopsy (SLNB) is recommended as data have shown the possibility of the presence of invasive cancer in the final histology, RT following IPC alone is of uncertain significance as this form of cancer is usually low grade and rarely recurs. However, if it is associated with DCIS or invasive cancer and found in young women, radiotherapy may be prudent to reduce local recurrence. Large tumours, centrally located or in cases where breast conserving surgery is unable to achieve a favourable aesthetic result, a skin sparing mastectomy with the opportunity for immediate reconstruction can be offered. Adjuvant endocrine therapy may be suggested as almost certainly these tumours are hormonal positive. Conclusion: Further research is required to determine the role of adjuvant radiotherapy and endocrine therapy in IPC. Understanding the low-grade nature of this form of breast cancer allows treatment options to be less radical and safely omitted. Copyright: @ the authors.

105. Saleh LM, Hassan HA, Henari FZ, Patil PS, Bannur MS. Nonlinear refractive and optical limiting measurements of 2-thienylchalcone derivatives under cw laser regime. Applied Physics A: Materials Science and Processing. 2013:1-6.

The nonlinear refractive index of 2-thienylchalcone derivatives in solution was investigated using z-scan technique with a continuous wave Angroin oil sates. The results show that 2-thienylchalcone derivatives exhibit a large nonlinear refractive index at 488 nm. The optical linking behaviour based on nonlinear refractive index was also investigated. The Burusercents of min is samples was exceeded and the relationship between the variation of results of the results o

106. Sharkawi M, Alfadhel HE, Burns MD, Given M, Lee MJ. Mid-term follow-up of stenting in chronic mesenteric ischaemia: a review of six cases. Irish Journal of Medical Science 2013 (1/1-5

Background: Chronic mesentairic angina is a rare condition with high morbidity and mortality, which occurs due to stenosic or occlusion in the mesentairic vessels commonly due to atherosclerosis. Typically, platients present with womening postprandal abdominal pain, chronic weight loss and fear of food. The condition can be treated by womening postprandal abdominal pain, chronic weight loss and fear of food. The condition can be treated by endorse, and the state of the produced state of the condition of the state of the state of the condition of the state of

107. Sridhar S, Al-Moallem B, Kamal H, Terrile M, Stallings RL. New insights into the genetics of neuroblastoma: Implications for diagnosis and therapy. Molecular Diagnosis and Therapy. 2013 //;17(2):63-9.

Neuroblastoma is a genetically and clinically heterogeneous tumor of childhood, arising from precursor cells of the sympathetic nervous system. It is still a challenging canner for polation concology, as some tumors will spontaneously regress, while others will become refractory to all forms of therapy. The clinical course of this disease is greatly influenced by both patent age and the genetic antomicalities that cour within the tumors. MYCN (v-my myelocytomatosis wiral related oncogene, neuroblastoma derived (avian)) amplification and loss of chromosome 11 gle heterogycosis have been frown to be indicative of poor proposis. In this article, we review of the commodation of the proposition of the proposition of the commodation of the commodatio

- 108. Tierney E. The role of doctors as teachers. Bahrain Medical Bulletin. 2013 H;35(3).
- Tierney E, Corbally MT. World Health Organization (WHO) surgical safety checklist. Bahrain Medical Bulletin. 2013;35(4).
- 110. van Zuuren E.J., Albusta A.Y., Fedorowicz Z., Carter B., Pijl H. Selenium Supplementation for Hashimoto's Thyroiditis: Summary of a Cochrane Systematic Review. Eur Thyroid J 2013.

Selenium supplementation in people with Hashimoto's thyroiditis might reduce antibody levels and result in a decreased dosage of levelytyronier. (L-1) and may provide other beneficial effects (e.g. on moral and healthrelated quality of file). The sim of our systematic review was to assess the effects of selenium supplementation related quality of file). The sim of our systematic review was to assess the effects of selenium supplementation readom control of the similar selection of the extraction, assessment of risk of bias and analyses were carried out by two independent review authors. We assessed the quality of the evidence of included studies using GRADE. For studies rated at undeer to high risk of bias comprising 465 participants were included. One study at high risk of bias showed statistically significant improvement in subsective well-being with sodium selenite 200 200 ga as a single tearlment or combined with LT4 reduced the serum levels of anti-thyroid persons 200 ga as a single tearlment or combined with LT4 reduced the serum levels of anti-thyroid persons sensitive services of the service of the services of anti-thyroid persons because the services of the services of the services of anti-thyroid persons because the services of the services of the services of anti-thyroid persons sensitive the services of the services of the services of anti-thyroid persons services of the services of the services of the services of anti-thyroid persons services of the services of the services of the services of the services of anti-thyroid persons services of the services of the services of the services of the services of anti-thyroid persons services of the services of

### 111. Whately C, Mohamed Abdallah A, Alwatari YA. Management of large segmental tibial defects using locking IM nail and absorbable mesh. BMJ Case Reports. 2013 //.

This accounts for the majority of open fractures with long segmental defects. The management of such defects imposes several calledeges due to their associations with extensive soft issue damage and high frection risk. In this report, we describe a new technique for the reconstruction of this in a young patient with 10 cm defect. The management is not a series of the series of

#### 112. Whitford DL, Al-Anjawi HA, Al-Baharna MM. Impact of clinical inertia on cardiovascular riskfactors in patients with diabetes. Primary Care Diabetes. 2013.

Alms: To determine whether clinical inertia is associated with simpler interventions occur-ring more often than complex changes and the association between clinical inertia anoductomes, Methods. Preventione of clinical inertia over a 30 month period for hyperglycaemia, hyperten-sion and dyslipidaemia was calculated in a random sample (n = 340 for platients attending adabetes clinic. Comparisons between prevalence of clinical inertia and outcomes for each condition were examined using parametric tests of association. Results: There was less clinical inertia in hyperglycaemia (24% of consultations) consultations of consultations and system (15 (24%) of consultations). Consultations wheretherapy was internified had a greater reduction in risk factor levels than when no changes made. No association was found between tealment intensity socres and changes inhibitor, where simple there-peutic changes are necessary as opposed to complex changes. Greater clinical inertial leads poper outcomes. There confirms to have been seen to consultations and continues to be substantial clinical inertial increasion.

## 113. Whitford DL, Paul G, Smith SM. Patient generated "frequently asked questions": Identifying informational needs in a RCT of peer support in type 2 diabetes. Primary Care Diabetes. 2013 //.

Alms: The purpose of this study is to discuss the use of a system of patient generated "frequently asked questions" (FADs) in order to gain insight into the information needs of participants. Methods: FADs generated during group meetings taking place in a randomized controlled trail of peer support in type 2 diabetes are group meetings taking place in a randomized controlled trail of peer support in type 2 diabetes are concerning the FADs was subjected to content analysis. Results 56/19/2 (3/34) of the FADs were directly related to the topic area of the scheduled peer support meeting with foot care, eyes and kidneys generating the most specific questions. The FADs addressed mainly knowledge and concerns. The FADs appeared to enhance peer support and also enabled participants to ask questions to experts that they may not have asked in a clinic station. Conclusions: The use of FADs to support peer support and beneficial in a randomized controlled valuable insight into the informal information needs of people with diabetes. Means of providing a similar structure in routine clinical care should be explored. 9 20/3 Primary Care Diabetes Europe.