

**Teaching grammar in the communicative approach and grammar translation
method**

Doaa A. A. AL-Shantti, Abedallah Byar

Faculty of Education Sciences, University of Mohammed V, Morocco

Corresponding Authors

Email: duaa.r.a.shanti@hotmail.com; abdellahbyar@gmail.com

Abstract

With the advent of the communicative approach in the late 1970s, the role of grammar teaching, especially in teaching the second language, was minimized, and then it was suggested that teaching grammar was not only beneficial, but could actually be harmful or a waste of time. However, a body of recent research has shown the need for formal grammatical instructions for the learner to achieve high levels of grammatical competence. This has brought the teaching of grammar back to the fore, and its role in second language acquisition has become the focus of many new studies. In this article, we will discuss the importance of teaching grammar in its implicit or communicative level. Therefore, this part of the article prompts us to open another discussion concerning a brief presentation of the most important approaches and methods based on teaching grammar. Through this discussion of whether or not the focus should be on the grammatical rules for teaching a second language or should be removed altogether, or should the focus be on language teaching of content or meaning, the aim of this article is demonstrate the importance of this discussion in Arabic studies that lack such topics, as well as the enrichment of Arabic magazines, with such discussions in order to develop the teaching of the Arabic language at the grammatical level.

Keywords: Communicative approach, translation method, grammar

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Applied Examples of Non-Incidence Topological Spaces

Asmhan F. Hassan, Ammar M. Jafar

Department of Mathematics, Faculty of Education for Girls, University of Kufa,

Najaf, Iraq

Corresponding Author Email: asmhanf.alzuhairy@uokufa.edu.iq

Abstract

In this article some applied examples of the non-incidence topology on a simple graph are introduced. This application includes some aspects such as in, possible genetic for the inheritance of blood group, rickets disease gene, and gas ethane. Our guiding force is to provide an applied fundamental examples to transform the non-incidence topology from a theoretical field to a subjects that plays a growing role in nearly bio-mathematical and chemical field.

Keywords: Simple graphs, non-incidence topology, application

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Awareness of life style related diseases and their risk factors among diabetes mellitus and hypertension patient visiting secondary hospitals

Mohammed K Dakhel¹, Ali A Alharbi¹, Almutairi Faisal Abdulaziz J.¹, Muath F Almutairi², Turki S Alayed¹, Ziyad H Alawaji¹

¹*College of Medicine, Qassim University, KSA*

²*Ministry of Health, Qassim, KSA*

Corresponding Author Emails: 361111170@qu.edu.sa; Muathfakhri@gmail.com; 361109950@qu.edu.sa; 361111124@qu.edu.sa; 361109806@qu.edu.sa; 351109788@qu.edu.sa

Abstract

Hypertension and diabetes are silent killers globally, and they're a big risk factor for other diseases including cardiovascular disease and kidney diseases. To determine the level of awareness of life style related diseases and their risk factors among diabetes mellitus and hypertension patients visiting secondary hospitals in Qassim region. A cross-sectional, questionnaire based survey conducted in 320 diabetes and hypertension patients, Saudi Arabia. Majority of the participants fell in the age group of 61-70 years (27.5% in hypertensive group and 39.4% in diabetic group). Educational level was graduate (26.8%) in hypertensive group and primary school (28.1%) in diabetic group. The participant's knowledge was assessed based on their understanding toward DM and hypertension which included the meaning and monitoring of dietary habits, obesity, physical exercise and diseases' complications. In diabetic group, (112) correctly answered that diabetes is a condition in which body contains, (118) knew that diabetes can be cured by diet and exercise, (143) knew the accurate method of monitoring diabetes. Both groups have acceptable understanding and awareness on HTN and DM, in addition to the risk factors, obesity, dietary changes, physical activity, and comorbidities. Both groups stated that exercise and healthy diet are important for hypertensive and diabetic patients. Education was found to have a great role in awareness. The implementation of a family physician program could help in achieving these goals.

Keywords: hypertension (HTN), diabetes mellitus (DM), Knowledge, awareness

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Academic competition anxiety among outstanding and non-distinguished students in secondary schools

Haider F. Khadad Al-Arkwazi, Rahim A. Jabr Al-Zubaidi

Mustansiriyah University, College of Education, Department of Educational and Psychological Sciences, Baghdad, Iraq

Corresponding Author Email: haiderfaraj.ok22@gmail.com

Abstract

The research identified the distinguished and non-distinguished fourth grade students in secondary schools within the General Directorate of Education of Rusafa II and III in Baghdad, for the academic year (2020-2021). The researcher built a measure of academic competition anxiety by relying on the Martens model, whose number of items reached (30) items in three areas (cognitive), the number of items (10) items and (physical), the number of items (10) and (self-confidence) and the number of items (10) Paragraphs, and the researcher extracted the psychometric characteristics and then applied them to the basic research sample of (400) male and female students who were randomly identified from secondary schools for the distinguished and distinguished and for the non-distinguished and distinguished, and after conducting the appropriate statistical methods, the research reached the following results:

1. Existence of academic competition anxiety among distinguished students.
2. Existence of academic competition anxiety among undistinguished students.
3. There are no statistically significant differences in students' academic competition anxiety between the sample type (distinguished and non-distinguished) and by gender (males, females).

Keywords: Education, academic, secondary schools, statistical methods

قلق التنافس الدراسي لدى الطلبة المتميزين وغير المتميزين في المدارس الثانوية

حيدر فرج خداداد الأركوازي، رحيم عبدالله جبر الزبيدي

الجامعة المستنصرية ، كلية التربية ، قسم العلوم التربوية والنفسية ، بغداد ، العراق

الخلاصة

يركز هذا البحث البحث على طلبة الصف الرابع العلمي المتميزين وغير المتميزين في المدارس الثانوية ضمن المديرية العامة لتربية الرصافة الثانية والثالثة في بغداد، للعام الدراسي (2020-2021). قام الباحث ببناء مقياس قلق التنافس الدراسي من خلال اعتماده على نموذج مارتنز الذي بلغ عدد فقراته (30) فقرة في ثلاثة مجالات (المعرفي) وعدد فقراته (10) فقرات و (الجسمي) وعدد فقراته (10) و (الثقة بالنفس) وعدد فقراته (10) فقرات، وقد استخرج الباحث الخصائص السيكومترية ومن ثم قام بتطبيقها على عينة البحث الاساسية والبالغ عددها (400) طالباً وطالبة تم تحديدهم بالطريقة العشوائية من المدارس الثانوية للمتميزين والمتميزات ولغير المتميزين والمتميزات، وبعد إجراء الوسائل الاحصائية المناسبة توصل البحث إلى النتائج الآتية:

1. وجود قلق التنافس الدراسي لدى الطلبة المتميزين.
2. وجود قلق التنافس الدراسي لدى الطلبة غير متميزين.
3. عدم وجود فروق ذات دلالة احصائية في قلق التنافس الدراسي لدى الطلبة بين نوع العينة (المتميزين وغير المتميزين) وحسب الجنس (ذكور , أناث).

الكلمات المفتاحية: التعليم ، الأكاديمية ، المدارس الثانوية ، الأساليب الإحصائية

المصادر

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Review

Blastomeres Separation

Mudhafar Abdulhussein

Jabir Ibn Hyan, College of Medicine, Kufa, Iraq

Abstract

The mammalian zygote is a totipotent cell (Totipotency is defined by the ability of a single cell to generate a new complete organism, which is often also presented as a 'fertile organism) that generates all the cells of a new organism through embryonic development. Mammalian embryo splitting has successfully been established in farm animals. Embryo splitting is safely and efficiently used for assisted reproduction in several livestock species. In nonhuman primate's embryo splitting has resulted in several pregnancies. Human embryo splitting has been reported recently. experiments of blastomere isolation were conducted in various species, showing that two-cell blastomeres could give rise to a new organism when sister cells were separated. Microsurgical embryo splitting under Institutional Review Board approval has been carried out to determine its efficiency for blastocyst development. Embryo splitting at the 6–8 cell stage provided a much higher developmental efficiency compared to splitting at the 2–5 cell stage. Embryo splitting may be advantageous for providing additional embryos to be cryopreserved and for patients with low response to hormonal stimulation in assisted reproduction programs. Embryo splitting may be a more realistic approach to creating pairs of genetically identical. Genetically identical would have tremendous utility as models for the study of human disease and would be particularly valuable for vaccine trials and tissue transplantation studies where immune function is important. Social and ethical issues concerning embryo splitting are included regarding ethics committee guidelines. Prognostic perspectives are presented for human embryo splitting in reproductive medicine.

Keywords: Totipotency, immune function, Mammalian, Embryo

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