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The conference aims to bring together leading academic scientist, researchers and research scholars to exchange and share their experiences and research results about all aspects on economy.

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The conference goals are to provide a scientific forum for all international prestige scholars around the world and enable the interactive exchange of state of the art knowledge.

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ESL FOR VOCATIONAL SCHOOLS THE CASE OF ALBANIA

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ABSTRACT

This article will be focused on English teaching as a Second Language in Vocational Schools. First of all, a vocational school is a type of educational institution, which, depending on the country, may refer to either secondary or post-secondary education designed to provide vocational education, or technical skills required to complete the tasks of a particular and specific job. In the case of secondary education, these schools differ from academic high schools which usually prepare students who aim to pursue tertiary education, rather than enter directly into the workforce. Such a phenomena is present in many vocational schools and courses, especially the ones that prepare professionals ready for the European labor market. These graduated individuals have been reported sometimes to lack skills but in fact it has been found that is a lack of preparation on the linguistic and communication skills that schools not always are aware of. The teaching methodology is getting more and more on the management aspect of the group and the need it has rather than being purely on linguistic basis.

KEYWORDS: vocational education, strategy, awareness, ESL, communication.

REFERENCES

Beck, Robert H. (2009). The Three R's Plus: What Today's Schools are Trying to Do and Why. U of Minnesota Press. pp. 3–6. ISBN 978-0-8166-6017-9.

Bonwell, C. C., &Eison, J. A. (1991). Active learning: Creating excitement in the classroom.

Bonwell, Charles; Eison, James (1991). Active Learning: Creating Excitement in the Classroom . Information Analyses - ERIC Clearinghouse Products (071). p. 3. ISBN 978-1-878380-08-1. ISSN 0884-0040.

Edward M. Anthony, "Approach Method and Technique," in H. Allenand R. Cajnpbell, eds., Teaching English as a Second Language (New Fork:McGraw -Hill, 1972), p. S.

https://www.britishcouncil.al/programmes/education/professional-development

John Dewey (1984), Experiential learning. Englewood Cliffs, NJ: Prentice Hall.

Peterson, R. (1992). Life in a crowded place: Making a learning community. Portsmouth, NH: Heinemann. Chicago (Author-Date, 15th ed.)

Tinio, V. L. (2003, p.7). ICT in Education. UNDP – APDIP. Retrieved (July 31, 2010, from http://www.apdip.net/publications/iespprimers/eprimer-edu.pdf)

Zarshenas L, Momeni Danaei, Oshagh M, Salehi P. Problem based learning: an experience of a new educational method in dentistry. Iranian Journal of Medical Education. 2010; 10(2): 171–9. Persian.

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AN EMPIRICAL STUDY ON FACTORS AFFECTING INTRA-INDUSTRY TRADE WITH SOME SELECTED COUNTRIES IN TURKISH MANUFACTURING INDUSTRY

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ABSTRACT

The aim of this study is to analyze the factors affecting intra-industry trade in Turkey's manufacturing industry. To measure intra-industry trade in Turkey's manufacturing industry with 29 countries Grubel Lloyd index is used in the study. The factors affecting intra-industry trade in the period of 1998-2017 are analyzed by panel data method. Country and policy-based determinants of intra-industry trade are dealt with development level, development level differences, market size, market size differences, outward-openness ratio, outward-openness ratio differences, geographical distance, and participation in economic integration. The results obtained from the established models are that the levels of development, market size and participation in the customs union have a positive effect on intra-industry trade while the geographical distance is negative. It also concluded that Turkey's intra-industry trades between the EU member countries have the high rates.

KEYWORDS: Intra-industry Trade, Manufacturing Industry, Grubel Lloyd Index, Panel Data Analysis.

REFERENCES

Çepni, E. & Köse, N. (2003). *Intra-Industry Trade Patterns of Turkey: A Panel Study:1988-1998.* G.Ü İ.İ.B.F Dergisi 3/2003 13-28.

World Bank, *World Development Indicators*. (21.03.2019) https://databank.worldbank.org

Emirhan, P.N. (2005) *"Determinants of Vertical Intra-Industry Trade of Turkey: Panel Data Approach",* Dokuz Eylül University Faculty of Business, Department of Economics, Discussion Paper Series No. 05/05

Erk, N. & Tekgül, Y. (2001). Economic Integration and Intra-Industry Trade: Test of Intra-Industry Trade between Turkey and European Union and Determine the Trade Type. *Proceedings of the METU International Conference in Economics IV*, September 10-13, Ankara.

Gönel, D. F. (2001a), How Important is Intra-Industry Trade Between Turkey and Its Trading Partners A Comparison Between the European Union and Central Asia Turkic Republics, *Russian and East European Finance and Trade*, 37, 61-76.

Gönel, D. F. (2001b), Tekstil Sektöründe Endüstri-İçi Ticaret [Intra-Industry Trade in Textile Sector]. *Dış Ticaret Dergisi*, No. 21, 15-31.

Yalçın, E. & Gürel, S. (2018). Türkiye ile Karadeniz Ekonomik İşbirliği Örgütü Arasındaki Endüstri-içi Ticaretin Analizi [The Analysis of Intra –Industry Trade between Turkey and Black Sea Economic Cooperation]. *Business Economics and Management Research Journal*, 1 (2), 81-92. Retrieved from https://dergipark.org.tr/tr/pub/bemarej/issue/41156/489501

Kaya A. A. & Atış A. G. (2007). Türkiye Kimya Sanayi Endüstri Içi Ticaretinin Statik ve Dinamik Analizi: Avrupa Birliği Üye ve Aday Ülkeleri. Rusya Federasyonu, Ukrayna ve Çin [Static and Dynamic Analysis of Intra-Industry Trade of Turkey's Chemical Industry: Member and Candidate Countries of EU, Russian Federation, Ukraine and China]. *Ege Academic Review*, 7(1), 251-291

Schüller, Martin K.(1995).The Path Of Intra-Industry Trade Expansion, The Cases Of Spain And Turkey. *Metu Studies in Development*. 22, 79-99

Şentürk, C. (2014). Türkiye'nin Seçilmiş Ülkeler ile Endüstri İçi Ticaretinin Endeks Yöntemine Dayalı Analizi 1990-2013 [An Analysis of Turkey's Intra Industry Trade with Selected Countries Based on Index Method (1990-2013)]. *Süleyman Demirel Üniversitesi Sosyal Bilimler Enstitüsü Dergisi*, 2014/2, No: 20.

Tatoğlu, F. (2012). *İleri Panel Veri Analizi*, [Advanced Panel Data Analysis], Beta Yayıncılık, İstanbul.

Tatoğlu, F. (2013). *Panel Veri Ekonometrisi* [Panel Data Econometrics]. Beta Yayıncılık, İstanbul.

TURKSTAT, *Dış Ticaret İstatistikleri* [Foreign Trade Statistics], (27.03.2019). http://www.tuik.gov.tr

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A NEW PROVOCATION - QUALITY 4.0

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ABSTRACT

Quality is a competitive advantage for companies and organizations in the global market. Quality has gone through several stages of systemic evolution being in a dynamic movement and going through several stages throughout modern history. Research for new and innovative quality models is rare, so the new stage of evolution and the fourth industrial revolution Industry 4.0, is an opportunity for the quality movement to become a new driving force. The need to adapt to technological innovations in the market, the analysis of the entrepreneurial ecosystem are the new features of the new industrial revolution. This paper presents a new framework for the quality of supporting the fourth industrial revolution. namely the new Quality 4.0. The paper identifies new directions for engineering, quality and reliability and welcome opportunities. The research identify the terms for: quality as a data-driven discipline, applying modeling and simulation to evidence-based quality engineering, health monitoring and quality forecasting, integrated quality management, maturity levels from the fourth industrial revolution, integrating innovation with quality and management for innovation,Quality 4.0 and data science,integrating reliability engineering with quality engineering and, finally and quality information.

KEYWORDS: *Industry 4.0, modeling, simulation,quality management*

REFERENCES

Acharjya, D. P.; Geetha, M. K. (2017), *Internet of things: Novel advances and envisioned applications*. Springer. [Crossref], [Google Scholar]

Ayele, A.,. O. Gur, A. Rosen (2013), Conceptual multidisciplinary design optimization (MDO) of solar powered UAV. Paper presented at the 53rd Israel Annual Conference on Aerospace Sciences (IACAS 2013), Tel-Aviv/Haifa, Israel. [Google Scholar]

Bentolila, D. J., A. Zonnenshain, C. Scher, A. Rodogovski (2019), Promoting industry in the periphery by improving quality and excellence in management: The program for quality and excellence in industry in Northern Israel. Proceedings of the 37th Israeli Society for Quality Conference, November 26–29, Tel Aviv, Israel. [Google Scholar]

Godfrey, B., R.S. Kenett (2007), Joseph M. Juran, a perspective on past contributions and future impact. *Quality and Reliability Engineering International* 23 (6):653–63. doi:10.1002/qre.861. [Crossref], [Web of Science ®], [Google Scholar]

Halabi, A., R. S. Kenett, L. Sacerdote (2017), Using dynamic Bayesian networks to model technical risk management efficiency. *Quality and Reliability Engineering*

International 33 (6):1179–96. doi:10.1002/qre.2186. [Crossref], [Web of Science ®], [Google Scholar]

Kenett, R. S.,T. Redman (2019), *The real work of data science: Turning data into information, better decisions, and stronger organizations*. Chichester, UK: John Wiley and Sons. [Crossref], [Google Scholar]

Kenett, R. S., A. Zonnenshain, G. Fortuna (2018), A road map for applied data sciences supporting sustainability in advanced manufacturing: The information Quality dimensions. *Procedia Manufacturing* 21:141–8. doi:10.1016/j.promfg.2018.02.104. [Crossref], [Google Scholar]

Kenett, R. S., R. Swarz, A. Zonnenshain. (2020), *Systems engineering in the fourth industrial revolution: Big data, novel technologies, and modern systems engineering*. Hoboken, NJ: John Wiley and Sons. [Google Scholar]

Krubasik, S., V. Dirlea, R. Kidambi, C. Sachsenedr (2015), Quality 4.0: Preventive, Holistic, Future-Proof, AT Kearney, Available online https://www.atkearney.com/industrial-goods-services/article/?/a/Quality-4-0-preventive-holistic-future-proof [Google Scholar]

Meeker, W.,Y. Hong. (2014), Reliability Meets Big Data: Opportunities and Challenges. *Quality Engineering* 26 (1):102–16. doi:10.1080/08982112.2014.846119. [Taylor & Francis Online], [Web of Science ®], [Google Scholar]

Reis, M. S., G. Gins. (2017), Industrial process monitoring in the big data/industry 4.0 era: From detection, to diagnosis, to prognosis. *Processes* 5 (4):35–16. doi:10.3390/pr5030035. [Crossref], [Google Scholar]

Singpurwalla, N.D., V. Volovoi, M. Brown, E.A. Peköz, S.M. Ross, W. Q. Meeker. (2019), Is reliability a new science? A paper from the panel session held at the 10th International Conference on Mathematical Methods in Reliability. *Applied Stochastic Models in Business and Industry* 35 (2):260–9. doi:10.1002/asmb.2442. [Crossref], [Web of Science ®], [Google Scholar]

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EXAMINING THE RELATIONSHIP BETWEEN PERFECTIONISM, ACADEMIC MOTIVATION AND LIFE SATISFACTION IN UNIVERSITY STUDENTS

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ABSTRACT

The purpose of this study is to understand relation between perfectionism, academic motivation and life satisfaction on university students. Perfectionism refers to the high degree of self-criticism deeply placed on his or her subject by the individual. The word motivation comes from the Latin word "movere," meaning "move, move," and is commonly defined as "a mental condition that causes a person to turn to the desired target. Life satisfaction is a self evaluation of persons own life. According to the types of perfectionism, the level of academic motivation changed, and it is thought that this change may affect life satisfaction. The scales used in this study are: academic motivation scale, life satisfaction scale and multidimensional perfectionism scale.

KEYWORDS: *perfection, academic motivation, life satisfaction, academic personal.*

REFERENCES

DAĞLI, A., & Baysal, N. (2016). Yaşam Doyumu Ölçeğinin Türkçe'ye uyarlanması: Geçerlik ve Güvenirlik Çalışması. *Electronic Journal of Social Sciences*, *15*(59).

Frost, R. O., Marten, P., Lahart, C., & Rosenblate, R. (1990). The dimensions of perfectionism. *Cognitive therapy and research*, *14*(5), 449-468.

Türk Dil Kurumu (2011). Turkish Dictionary, Ankara.

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HISTORICAL PROCESS OF POLITICAL AND ECONOMIC RELATIONS BETWEEN TURKEY AND ROMANIA

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ABSTRACT

Turkey Romania relations are based on deep-rooted historical past. This contact, which started with the struggle for domination in Wallachia and Moldavia, which constitutes today's Romanian lands as geographical location, has survived many various episodes and finally reached the present day by setting it on a commercial basis. With the Treaty of Berlin signed on 13 July 1878, Romania declared its independence. With this treaty, commercial rules between Romania and the Ottoman Empire were also regulated. In our article where we will discuss such a deep-rooted historical process, we will try to outline the reasons for the political and economic relationship, how it took place, and the potential change between the past and the present.

KEYWORDS: Wallachia, Moldavia, Romania, Berlin Treaty, Economic History

REFERENCES

BOA, C.İKTS, 18/856, 15, 1 (15 M. 1178/15 July 1764).
BOA, A.DVN. MHM 18, p. 178, h. 302
BCA 030.10 162.134.9
C. ML, 570/23322/29 p.1265,
Erdoğan, Meryem K., Ferlibaş, Meral B.,Çolak, Kamil, Ruse Ayanı Tirsiniklizâde İsmail Ağa and His Period (1796-1806), Yeditepe Publications, Istanbul 2009.
Emecen, Feridun M. "Haraçgüzâr", DIA, C. XVI, İstanbul, 1997.
Emecen, Feridun M. Ottoman Sultans of the Imperial Age-II, İSAM Publications, Istanbul 2016.
Emecen, Feridun M. Politics in the Ottoman Classical Age, Istanbul 2011.
Guboğlu, Mihail "Clarifications and Corrections Regarding First Period Relations Between Ottomans and Romanian Countries (1364-1456)", IX Turkish History Congress, Vol. II, TTK Pub., Ankara 1988.

Heper, Yusuf, Ottoman Empire and Wallachia-Moldavia Relations 1574-1634, Uşak University Institute of Social Sciences, Unpublished PhD Thesis, February 2020.

İnalcik, Khalil, Historical Studies in Istanbul after the conquest of Istanbul Reconstruction of Bilad al-i Selas: Galata, Eyüp, Üsküdar, Turkey Business Bank Publications, Istanbul in March 2019.

İnalcik, Khalil State-i Aliye Research on the Ottoman Empire II, Turkey Business Bank Publications, Istanbul, 2014.

Karpat, Kemal, "The Region Between Wallachia Danube and Carpathians and Recognized Special Status During Ottoman Rule", DIA, C. X, TDV Pub., Istanbul 1994.

Kilinç Arzu, "Honey and Wax in Wallachia-Moldavia and Black Sea", Online Journal of Thematic Turcology, Issue 1/1, January 2011.

Matrakçi Nasuh, Tarih-i Sultan Bayezid, Hz. Reha Bilge, Istanbul 2015.

Maxim, Mihai, "Voyvoda", DIA, C. XLIII, Istanbul 2013.

Maxim, Mihai, "Economic Relations in the University of Bucharest, the Romanian-Ottoman Ottoman Studies Center for Studies on" Social and Economic History of Turkey V International Congress Papers, the TCC. Pub., Istanbul 1989.

Maxim, Mihai, "XVI. Some Thoughts on the Economic and Financial Obligations of Wallachia-Moldavia against the Ottoman Empire in the Second Half of the Century ", VII. Turkish History Congress Papers Presented, C.2, TTK Publications, Ankara 1973.

Önal, Ahmet - AFYONCU, Erhan, The Magnificent Years of the Ottoman Empire According to the Reports of the Venetian Ambassadors, Yeditepe Yay. Istanbul December 2017.

Özcan, Abdülkadir "Boğdan" DIA, C. VI, İstanbul 1992.

Özgiray, Ahmet, "Turkey's Political Relations with Romania," Turkish Culture Research, Year: XXXIV / 1-2, Ankara, 1998.

Sarğin, Yasemin, "The Relations between the Ottoman State from its Beginning to 1606 and the Voivodeships of Wallachia and Moldavia", Afyon Kocatepe University, Afyonkarahisar 2013.

Türkyilmaz, Uğur Hocabey / Odessa Castle and Port, Trakya University Unpublished Master's Thesis, Edirne 2020.

Tosun, İffet, "The Appearance of Messengers-Romanians", Balkans Handbook, Volume 1, Karam Vadi Pub., Ankara 2006.

Uzunçarşili, İsmail Hakkı, Ottoman History, C. I, TTK, Ankara 1972.

Uyanik, Feyzullah, II. Wallachia-Boğdan in the Ottoman Administration of the Mahmud Period, Edirne 2018.

Zinkeisen, Johann Wilhelm, Ottoman Empire History, Yeditepe Publications, Istanbul 2011, C. II.

Wilkinson, William, An Account of the Pricipalities of Wallachia and Moldovia, Printed for Longman, Hurst, Rees, Orm and Brown, London 1820.

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THE ROLE OF MIGRATION IN UNEMPLOYEMENT REDUCTION IN ALBANIA

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ABSTRACT

In this paper we try to analyze the trend of emigration, the evolution of middle age and the flow of unemployment in Albania. The statistical analyses show that in recent years there is a significant increase in emigration flow accompanied by a slight decline in unemployment and it turns out that according to Gallup (2020) Albanians rank first in the Balkans for the desire to leave Albania. The increase in the flow of emigrants on the one hand has a positive effect on the growth of remittances but on the other hand has a direct negative impact on the economy as much as 0.6% -0.9% of GDP. Other results of this study show that emigration affects the "aging of the local population, it reduces the young and skilled labor force and increases the number of retirees, accompanied by a deterioration in the ratio of contributors and pensioners moving away from the previous ratio of 4 to 1 in 1990 to 1.5 to 1 in 2019 and to a projected ratio of 1.2 to 1 in 2030. Furthermore, the emigration flow is leading to a reduction of students in schools, and as a consequence leads to the closure of many primary schools, forcing dozens of teachers into unemployment and substantially reducing the number of university students by quite a bit.

KEYWORD: Unemployment, Emigration, Productivity, Albania

REFERENCES

Alho, J. M. (2008). Migration, fertility, and aging in stable populations. *Demography*, *45*(3), 641-650.
Banka e Shqipërisë (2018). Remitancat: Një mbështetje për zhvillim, 16 qershor 2018.

Drain, R. B. (2018). Research Study into Brain Gain. Reversing Brain Drain with the Albanian Scientific Diaspora

Garo, O. (2018).Tiparet e tregut të punës në shqipëri, evidentimi i treguesve kryesorë dhe i dinamikave të tyre në kohë, *Banka e Shqipërisë*, Revista ekonomike, 6M 2, 2018

Gëdeshi, I., & King, R. (2018). *New Trends in Potential Migration from Albania*. Friedrich-Ebert-Stiftung Office Tirana.

Håkansson, J. (2000). Impact of migration, natural population change and age composition on the redistribution of the population in Sweden 1970-1996. *Cybergeo: European Journal of Geography*.

Merko, F., Muço, K., Merko, F. Emigration and its effects in Economic Growth of Western Balkan Countries, International Marmara Science and Social Sciences Congress, November 23-25, 2018, Kocaeli/ Turkey, page 62-68

Muco, K. (2015). Gli stranieri in Italia: costo o beneficio, Economia e politica, 2015, vol.7 nr.10.

Sen, A. (2014). *Lo sviluppo è libertà*. Edizioni Mondadori.

United Nation (2017). International Migration Report, Department of Economic and Social Affairs. New York.

Vidovic, H., Mara, I., Brodmann, S. (2018) Western Balkans Labor Market Trends, World Bank and the Vienna Institute for International Economic Studies (wiiw).

Zaiceva, A. (2014). The impact of aging on the scale of migration. *IZA World of Labor*.

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FACTORS INFLUENCING THE NEW DIGITAL TECHNOLOGIES IN ROMANIA AND ALBANIA

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ABSTRACT

The new technology is an alternative to classic games, an educational alternative, a source of information that is closely linked to the feeling of security. Our young programmers and entrepreneurs are investing more and more time in developing software that can help Romanians and Albanians who want to access sites to find the information they need lately, even to find out about various diseases. However, experts point out that these programs, however comprehensive, cannot replace humans. To identify the factors influencing the use of new technologies, study participants had to complete a multi-part structured questionnaire to identify individual characteristics (age segment, gender, education), why and how they use digital technologies, time, field application), what kind of information is being accessed. The study presents initial results, but the study's authors acknowledge that it will require further research.

KEYWORDS: digital technologies, internet, quality, behavior, attitude

REFERENCES

H.J. Ornig, Leading into the Future: The so What? on Exponential Technology and Leadership, Balboa Press, 2016.

R.K. Yin, Case Study Research: Design and Methods, Sage Publications, Thousand Oaks, CA, 2014.

G. Collins, Key trends for retail technology in 2015: the rise of hyper-personalization, http://www.techradar.com/news/world-of-tech/keytrends-for-retail-technology-in-2015-the-rise-of-hyper-personalisation-1281156, accessed on 01.03.2016 (2015).

P. Lacy, J. Ritqvist, Waste to Wealth: The Circular Economy Advantage, Palgrave Macmillan, 2015.

M. Stuermer, G. Abu-Tayeh, T. Myrach, Digital sustainability: basic conditions for sustainable digital artifacts and their ecosystems, Sustain Sci 12 (2017) 247-262.

N.D. Evans, Digital sustainability: Digital transformation's next big opportunity, Computerworld, http://www.computerworld.com/article/ 3170647/digital-transformation/digital-sustainability-digital-transformations-next-big-opportunity.html, accessed on 10.03.2017 (2017).

K. van Marwyk, S. Treppte, (2016) Logistics Study on Digital Business Models, Roland Berger, White Paper, 2016.

Digital Transformation of Industries: Logistics Industry, World Economic Forum White Paper, 2016. [10] Digital Transformation of Industries: Societal Implication, World Economic Forum White Paper, 2016

A. Darbhe, M. Chandra, Artificial Intelligence: The next big thing in Supply Chain Management, http://www.financialexpress.com/industry/ artificial-intelligence-the-next-big-thing-in-supply-chain-management/329033/, accessed on 16.01.2017 (2016).

E. Chang, M. West and M. Hanzic, A digital ecosystem for extended logistics enterprises, e-Networks in an Increasingly Volatile World Proceedings of the 11th International Workshop on Telework, (2006) 32-40. [13] J.M. Owen, The Scientific Article in the Age of Digitization, Springer, The Netherlands (2007) [14] Industry 4.0: How Digitization Makes the Supply Chain More Efficient, Agile, and Customer-focused, PWC, White Paper, 2016.

The Era of Digitized Trucking: Transforming the Logistics Value Chain, PWC, White Paper, 2016.

H. Kagermann, Change Through Digitization - Value Creation in the Age of Industry 4.0, in: H. Albach, H. Meffert, A. Pinkwart, R. Reichwald (Eds.), Management of Permanent Change, Springer Gabler, Wiesbaden, 2015, pp. 23-45.

S. Wang, J. Wan, D. Li, C. Zhang, Implementing smart factory of industrie 4.0: an outlook, International Journal of Distributed Sensor Networks (2016).

M. Gebler, A.J.M. Schoot Uiterkamp, C. Visser, A global sustainability perspective on 3D printing technologies, Energy Policy 74 (2014), 158–167. [19] WCED, Our Common Future. World Commission on Environment and Development. Oxford University Press, Oxford, UK, 1987.

H.A. Almeida, M.S. Correia, Sustainable Impact Evaluation of Support Structures in the Production of Extrusion-Based Parts, in: S.S. Muthu, M.M. Savalani (Eds.), Handbook of Sustainability in Additive Manufacturing, Environmental Footprints and Eco-design of Products and Processes, Springer, Singapore, 2016, pp. 7-30.

J.-M. Monnet, E. Le Net, Assessment of logistics concept to sustainability: Development of a common approach to transport issues, Deliverable D3.3.3, EFORWOOD Project, European Forest Institute, http://www.efi.int/files/attachments/publications/eforwood/efi_tr_75.pdf , (2011).

K. Alldredge, P. Newaskar, K. Ungerman, The digital future of consumer-packaged-goods companies, McKinsey & Co., White Paper, 2015.

M. Dougados, S. Ghioldi, R. Van Doesburg, K.V.J. Subrahmanyam, The Missing Link Supply Chain and Digital Maturity, Capgemini Consulting, White Paper, 2013.

M. Raab, B. Griffin-Cryan, Digital Transformation of Supply Chains, Capgemini Consulting, White Paper, 2011.

S. Rodoulis, The Impact of Autonomous Vehicles on Cities https://www.lta.gov.sg/ltaacademy/doc/J14Nov_p12Rodoulis_AVcities.pdf

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STRESS AT WORK IN DIMAL FACTORY SH.P.K.

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ABSTRACT

Stress is one of the most used, but also the most unpopular terms nowadays, as it has become part of our lives, bringing various problems. Stress can be defined in several ways. More simply, we can say that it is the exposure to an event that is perceived as threatening to the individual. As such, it affects every area of our lives including work. The object of this paper is focused on stress at work in the company "Dimal Factory Sh.P.K". Being a large company operating in the market, with a relatively small number of employees in the field of tailoring, a sector quite widespread in Albania, but also not a little controversial about the working conditions it offers, makes it more attractive to studied the phenomenon of stress and its expression in this organization. Compared to academic knowledge, we are faced with gaps that exist between theory and reality. To highlight these discrepancies and find ways to reduce them, in order for both parties to benefit (staff and organizations), has prompted us to analyze this phenomenon in the aforementioned company. To achieve the goal, quantitative research was used through questionnaires structured according to the Likert scale of evaluation from 1 - 5. The study focuses on the recognition of the phenomenon by the participants, by the organization, as well as the awareness of both parties to treat it more seriously and to find common and effective ways to fight stress even in the conditions of COVID-19.

KEYWORDS: stress, strategy, awareness, self-confidence, technological development, communication.

REFERENCES

Stephen P.Roblins; Timothy A.(2017), Judge Organizational Behavior, 17th Edition., p.660

https://www.stress.org/what-is-stress

https://konmb45.ru/sq/stress-i-vse-chto-s-nim-svyazano-vidy-stressa-ego-prichiny-i-stadii.html

Griffing and Moorhead (2015), Organizational Behavior. Managing People and Organization. 11th Edition. pg181-191

https://www.helpguide.org/articles/stress/stress-in-the-workplace.htm

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BLOCKCHAIN AND INNOVATIVE FINANCIAL CHANNELS

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ABSTRACT

When it comes to the financial services industry, digitized assets and innovative financial channels are creating new paradigms for financial transactions and promoting alternative ways of capital rising. Blockchain-based payments can streamline the entire transaction process by removing bureaucracy and time-consuming paperwork, while also reducing the redundancy of information and improving performance. This disruptive technology is likely to become mainstream in the financial services sector within the next decade and it is expected to successfully reduce the massive duplication of information that creates confusion, error and delays in so many aspects of the financial services sector. Also, any operation that does not grant transparency and traceability is prone to be disrupted by the blockchain technology. Besides the financial sector, blockchain will also revolutionize business processes in many other industries, but its adoption requires time, efforts and a global alignment in terms of legal, regulatory and governance frameworks. Nevertheless, the current Coronavirus pandemic facilitated the acceleration of the innovation process and some of the largest global companies will speed up the adoption of blockchain solutions to fill the informational gaps and delays.

KEYWORDS: blockchain, financial market, customers, satisfaction

REFERENCES

Catalini, C. and Boslego, J. Blockchain Technology and Organization Science: Decentralization Theatre or Novel Organizational Form? MIT Working Paper, 2019,

Iansiti, M., Lakhani, K.R.. (2019). The Truth About Blockchain. Harvard Business Review. Retrieved October 24, 2020, from https://hbr.org/2017/01/the-truth-about-blockchain

Houben, R., Snyers, A. (2018). Cryptocurrencies and blockchain. Retrieved October 19, 2020, from https://www.europarl.europa.eu/cmsdata/150761/TAX3%20Study%20on%20cryptocurrencies%20and%20blockchain.pdf

Kimani, D., Adams, K., Attah-Boakye, R., Ullah, S., Frecknall-Hughes, J., Kim, J.. Blockchain, business and the fourth industrial revolution: Whence, whither, wherefore and how? Technological Forecasting and Social Change, 161 (2020),

McKinsey. Blockchain beyond the hype: What is the strategic business value? Retrieved October 20, 2020, from https://www.mckinsey.com/business-functions/mckinsey-digital/our-insights/blockchain-beyond-the-hype-what-is-the-strategic-business-value

Polyviou, A., Velanas, P., Soldatos, J. Blockchain Technology: Financial Sector Applications Beyond Cryptocurrencies. Proceedings, 28(1), 7 (2019)

PwC. (2018). Top financial services issues of 2018. Retrieved October 20, 2020, from https://www.pwc.com/us/en/financial-services/research-institute/assets/pwc-fsi-top-issues-2018.pdf

Treleaven, P., Brown, R. G., Yang, D. Blockchain Technology in Finance. Computer, 50,9 (2017), 14-17,

Wharton (2018). How the Blockchain Will Impact the Financial Sector. Retrieved October 20, 2020, from https://knowledge.wharton.upenn.edu/article/blockchain-will-impact-financial-sector/,

Mozur P, Zhong R, Krolik A. In Coronavirus Fight, China Gives Citizens a Color Code, With Red Flags: The New York Times; 2020 [cited 2020 6 April]. Available from: https://www.nytimes.com/2020/03/01/business/china-coronavirus-surveillance.html.

Reimold K, Geddes K. Global monitoring of disease outbreak preparedness. Cambridge, USA: Harvard Global Health Institute, 2018.

Rice JB. Prepare your supply chain for Coronavirus. Harvard Business Review. 2020;(27 Feb).

Rivers C, Chretien J-P, Riley S, Pavlin JA, Woodward A, Brett-Major D, et al. Using "outbreak science" to strengthen the use of models during epidemics. Nature Communications. 2019;10(1):3102. pmid:31308372

Statista. Blockchain: Statistics & Facts. Retrieved October 20, 2020, https://www.statista.com/topics/5122/blockchain/

Fatás, A., Weder di Mauro, B. (2019, August 21). As Crypto currencies Rise, Who Needs Banks? Retrieved October 20, 2020, from https://hbr.org/2018/05/as-cryptocurrencies-rise-who-needs-banks

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POTENTIAL CHALLENGES WITHIN THE FINANCIAL-ACCOUNTING DEPARTMENTS IN THE CONTEXT OF COVID-19

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ABSTRACT

The situation of uncertainty generated by the COVID-19 pandemic or remote work generates various problems for companies and their employees. One of these is the temporary inability of employees to work within the financial accounting department. Moreover, companies may face staffing crises amid scheduled childcare leave, but also staff turnover, with employees following other market opportunities. The context may worsen when the company faces the lack of experts who provide the managerial information necessary to make quick decisions such as those aimed at analyzing the impact of COVID-19 on the company, making detailed operational reports with analyzes on product or service lines, adequate capital monitoring work and cash flows, preparation of scenarios, timely completion of monthly reports to the group and to state authorities. Faced with such a context, the company can analyze its internal resources and consider the best solution, depending on the particularities of the situation in which it finds itself. Accelerating digitization in the finance department by adopting existing tools on the market, can be one of the ideal solutions for companies that not only want to solve a problem related to the inability of employees to carry out their work, but also seek to streamline existing processes.

KEYWORDS: finance, management change, accounting

REFERENCES

Iacobucci, G. (2020), "Covid-19: Deprived areas have the highest death rates in England and Wales", *BMJ*, Vol. 369:m1810, https://doi.org/10.1136/bmj.m1810.

Kalinina, V. et al. (2019), *The impact of decentralisation on the performance of health care systems: A non-linear relationship*, OECD, https://www.oecd-ilibrary.org/taxation/the-impact-of-decentralisation-on-the-performance-of-health-care-systems_04208b83-en.

Lopez-Casasnovasa, Costa-Font and Planas (2005), "Diversity and regional inequalities in the Spanish 'system of health care services", *Health Economics 14(Suppl 1):S221-35*, http://dx.doi.org/10.1002/hec.1038.

Lustig, N. and M. Tommasi (2020), *El COVID-19 y la protección social de los grupos pobres y vulnerables. UNDP.*.

McCoy (2020), "What exactly is the government's coronavirus strategy?", *Queen Mary University of London*, https://www.qmul.ac.uk/media/news/2020/pr/what-exactly-is-the-governments-coronavirus-strategy.html.

Muro, Whiton and Maxim (2020), "COVID-19 is hitting the nation's largest metros the hardest, making a "restart" of the economy more difficult", *The Avenue, Brookings*, https://www.brookings.edu/blog/the-avenue/2020/04/01/why-it-will-be-difficult-to-restart-the-economy-after-covid-19/?utm_campaign=brookings-comm&utm_source=hs_email&utm_medium=email&utm_content=85726548.

Silberzahn, P. (2020), *Gérer une situation de crise: faut-il une approche centralisée ou décentralisée ?*, https://b.marfeel.com/amp/www.contrepoints.org/2020/03/24/367338-gerer-une-situation-de-crise-faut-il-une-approche-centralisee-ou-decentralisee#aoh=15910282930763&referrer=https:%2F%2Fwww.google.com&amp_tf=Source%C2%A0:%20%251%24s.

Smith, N. (2020), *Communicating in a Crisis puts Trust in Government to the Ultimate Test*, http://www.publicsectorexecutive.com/Public-Sector-News/communicating-in-a-crisis-puts-trust-in-government-to-the-ultimate-test (accessed on 9 June 2020).

Stoyanov,A.,(2020), *Pandemic Brings Latvian Municipalities Closer Together*, https://www.themayor.eu/en/pandemic-brings-latvian-municipalities-closer-together (accessed on 10 June 2020).

Varese News (2020), *Il piano di investimenti da 3 miliardi è a debito, la Regione pensa al lancio di "Lombard bond"*, https://www.varesenews.it/2020/04/piano-investimenti-3-miliardi-debito-la-regione-pensa-al-lancio-lombard-bond/921786/.

Wiener Zeitung (2020), *Cities and municipalities face loss of revenue of up to 2 billion*, https://www.wienerzeitung.at/nachrichten/politik/oesterreich/2059518-Staedten-und-Gemeinden-droht-Einnahmenverlust-bis-zu-2-Milliarden.html.

Myllyvirta L, Dahiya S. India's Coronavirus Curfew Resulted in the Lowest One-Day Traffic Pollution Levels on Record. CREA. Centre for Research on Energy and Clean Air, 2020 https://energyandcleanair.org/janata-curfew-pollution-levels/.

Duan H, Wang S, Yang C. Coronavirus: limit short-term economic damage. Nature. 2020;578:515.

Eckelman MJ, Sherman J. Environmental impacts of the US health care system and effects on public health. PloS one. 2016;11(6):e0157014. pmid:27280706

Oosterhaven J. On the limited usability of the inoperability IO model. Economic Systems Research. 2017;29(3):452–61.

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THE IMPACT OF THE CORONAVIRUS TO THE POLITICAL INTEGRATION OF THE EUROPEAN UNION

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ABSTRACT

The new type of Corona virus, which emerged in Wuhan, China in 2019 and affected the whole world, also interacted with social life and therefore international relations. This epidemic, which was declared as a "pandemic" by the World Health Organization in a short time, has deeply shaken European countries. The rapid spread of the virus, especially in Italy, Spain and France, and the European Union's unprepared caught in this epidemic, has also been a factor that increases EU skepticism in member countries. This situation added a new one to the reasons that slowed down the political integration speed of the union. Although this epidemic negatively affects the political integration process of the EU, the measures taken by the union within the scope of the fight against the epidemic show that the union has taken steps to get stronger from this crisis.

KEYWORDS: Corona virus, European Union, political integration

REFERENCES

Claughton D, Fowler C, Fitzgerald D. Mining exploration and service companies hit by coronavirus restrictions 2020. Available online at: https://www.abc.net.au/news/rural/2020-04-07/covid19-mine-explorers-and-service-sector/12125518.

Dietzenbacher E, Lenzen M, Los B, Guan D, Lahr ML, Sancho F, et al. Input–output analysis: The next 25 years. Economic Systems Research. 2013;25(4):369–89.

Dietzenbacher E, Miller RE. Reflections on the inoperability input–output model. Economic Systems Research. 2015;27(4):478–86.

Dietzenbacher E, van Burken B, Kondo Y. Hypothetical extractions from a global perspective. Economic Systems Research. 2019;31(4):505–19.

Donaghy KP, Balta-Ozkan N, Hewings GJ. Modeling unexpected events in temporally disaggregated econometric input–output models of regional economies. Economic Systems Research. 2007;19(2):125–45.

GSGIR. The new coronavirus could have a lasting impact on global supply chains. The Economist. 2020;(15 Feb).

Haimes YY, Horowitz BM, Lambert JH, Santos JR, Lian C, Crowther KG. Inoperability input-output model for interdependent infrastructure sectors. I: Theory and methodology. Journal of Infrastructure Systems. 2005;11(2):67–79.

Inoue H, Todo Y. The Propagation of the Economic Impact through Supply Chains: The Case of a Mega-City Lockdown against the Spread of COVID-19. SSRN. 2020:http://dx.doi.org/10.2139/ssrn.3564898.

Koks E, Rozenberg J, Zorn C, Tariverdi M, Vousdoukas M, Fraser S, et al. A global multi-hazard risk analysis of road and railway infrastructure assets. Nature Communications. 2019;10. pmid:31239442

Le Quéré C, Jackson RB, Jones MW, Smith AJ, Abernethy S, Andrew RM, et al. Temporary reduction in daily global CO 2 emissions during the COVID-19 forced confinement. Nature Climate Change. 2020:1–7.

Lenzen M, Geschke A, Abd Rahman MD, Xiao Y, Fry J, Reyes R, et al. The Global MRIO Lab—charting the world economy. Economic Systems Research. 2017;29(2):158–86.

Lenzen M, Geschke A, Wiedmann T, Lane J, Anderson N, Baynes T, et al. Compiling and using input–output frameworks through collaborative virtual laboratories. Science of The Total Environment. 2014;485–486:241–51. pmid:24727042

Lian C, Haimes YY. Managing the risk of terrorism to interdependent infrastructure systems through the dynamic inoperability input–output model. Systems Engineering, 2006;9(3):241–58.

Liang S, Stylianou KS, Jolliet O, Supekar S, Qu S, Skerlos SJ, et al. Consumption-based human health impacts of primary PM2. 5: The hidden burden of international trade. J Clean Prod. 2017;167:133–9.

Mahbubani R. More than 100 wild animals in China died from poisoning in a mass die-off seemingly triggered by corona virus disinfectant. Business Insider; 2020 [cited 2020 6 April]. Available from: https://www.businessinsider.com/disinfectant-control-coronavirus-triggers-mass-die-off-animals-china-2020-2.

McKibbin WJ, Fernando R. The global macroeconomic impacts of covid-19: Seven scenarios. CAMA Working Paper, Technical Report Canberra, Australia: CAMA, Australian National University, 2020 19/2020.

Miller RE, Blair PD. Input-Output Analysis: Foundations and Extensions. Englewood Cliffs, NJ, USA: Prentice-Hall; 2010.

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SMART QUALITY MANAGEMENT AND THE IMPACT OF INDUSTRY 4.0

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ABSTRACT

Industry 4.0 is also known as Smart Factory 4.0. It is labeled as the fourth industrial revolution, respectively the fourth wave of evolution, but which many do not understand. The major impact it has on companies is reflected by the quality management that is no exception. Organizations monitor this reorientation and evolution and try to find ways and strategies to change the paradigm. Quality must ensure that it is a bridge between Industry 4.0 and the company. Quality has entered a new era, with new premises of Industry 4.0 / Smart Factory 4.0 and its implications for the management of organizations. Industry 4.0 will be the next stage of modernity in production and will see a paradigm shift in the transformation of old factories to smart factories merging with the cyber realm. The article tries to identify the current situation in the economy and the perception by managers of the new wave of technology and the desire to harmonize with current requirements.

KEYWORDS: Industry 4.0, technology, economy, smart factory , quality management

REFERENCES

Halabi, A., R. S. Kenett, L. Sacerdote (2018), Modeling the relationship between reliability assessment and risk predictors using bayesian networks and a multiple logistic regression model. *Quality Engineering* 30 (4):663–75. doi:10.1080/08982112.2017.1368556. [Taylor & Francis Online], [Web of Science ®], [Google Scholar]

Kenett, R. S., G. Shmueli (2016), *Information quality: The potential of data and analytics to generate knowledge*. Chichester, UK: John Wiley and Sons. [Crossref], [Google Scholar]

Kenett, R. S., S. Zacks (2014), *Modern industrial statistics: With applications in R, MINITAB and JMP*. Chichester, UK: John Wiley and Sons. [Google Scholar]

Kenett, R. S., F. Faltin, F. Ruggeri (2018), *Analytic methods in systems and software testing*. John Wiley and Sons. [Crossref], [Google Scholar]

Reis, M., R. S. Kenett. (2018), Assessing the value of information of data-centric activities in the chemical processing industry 4.0, AIcHe. *Aiche Journal* 64 (11):3868–81. doi:10.1002/aic.16203. [Crossref], [Web of Science ®], [Google Scholar]

Tukey, J. W. (1962), The future of data analysis. *The Annals of Mathematical Statistics*, 33 (1):1–67. doi:10.1214/aoms/1177704711. [Crossref], [Google Scholar]

Zairi, M. (2017), *Deep in crisis: The uncertain future of the quality profession* (Quality 4.0). UK: European Centre for Best Practice Management Publishing House. [Google Scholar]

Zio, E. (2016), Some challenges and opportunities in reliability engineering. *IEEE Transactions on Reliability* 65 (4):1769–82. doi:10.1109/TR.2016.2591504. [Crossref], [Web of Science ®], [Google Scholar]

Rose A. Economic principles, issues, and research priorities in hazard loss estimation, In: Okuyama Y. and Chang S.E. (Eds) Modeling Spatial and Economic Impacts of Disasters. New York: Springer2004.

Santos JR, May L, Haimar AE. Risk-based input-output analysis of influenza epidemic consequences on interdependent workforce sectors. Risk analysis: an official publication of the Society for Risk Analysis. 2013;33(9):1620–35. Epub 12/24. pmid:23278756.

Schulte in den Bäumen H, Többen J, Lenzen M. Labour forced impacts and production losses due to the 2013 flood in Germany. Journal of Hydrology. 2015;527:142–50.

The possible economic consequences of a novel coronavirus (COVID-19) pandemic 2020 [cited 2020 1 April]. Available from: https://www.pwc.com.au/publications/australia-matters/economic-consequences-coronavirus-COVID-19-pandemic.pdf.

Thomas L. Coronavirus wreaks havoc on retail supply chains globally, even as China's factories come back online. CNBC, 2020 https://www.cnbc.com/2020/03/16/coronavirus-wreaks-havoc-on-retail-supply-chains-globally.html.

Tukker A, Dietzenbacher E. Global multiregional input-output frameworks: An introduction and outlook. Economic Systems Research. 2013;25(1):1–19.

Xia Y, Guan D, Steenge AE, Dietzenbacher E, Meng J, Mendoza Tinoco D. Assessing the economic impacts of IT service shutdown during the York flood of 2015 in the UK. Proceedings of the Royal Society A. 2019;475(2224):20180871.

Yu KDS, Aviso KB. Modelling the Economic Impact and Ripple Effects of Disease Outbreaks. Process Integration and Optimization for Sustainability. 2020:1–4.

Zhang L, Hu Q, Zhang F. Input-output modeling for urban energy consumption in Beijing: dynamics and comparison. PloS one. 2014;9(3).

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USE OF TECHNOLOGY IN IMPROVING SYMPTOMS OF ALZHEIMER'S DISEASE. A REVIEW OF RELEVANT CURRENT MEDICAL LITERATURE FROM PUBMED

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ABSTRACT

Alzheimer's disease is a type of dementia that can be a devastating diagnosis for many patients and relatives. Non-pharmacological interventions in Alzheimer's disease have demonstrated significant benefits in improving symptoms. In recent years, technology has been increasingly used in medicine and mobile phone applications have been developed. A project was designed to provide an easy-to-use technology, more specific a smartphone application for patients with Alzheimer's disease which can potentially improve their quality of life. We have reviewed the current literature in this medical field and identified available technologies used so far. Academic and non-academic applications have illustrated different aspects used including music, games, tracking devices and lifestyle advice and exercise. Our conclusion was that the ideal application should be individualized and really easy to use for patients and relatives. The application should incorporate a few different aspects including enhancing memory- games and puzzles and ensure the patient's safety by use of tracking device. Another important aspect for the application it should provide a direct link to emergency services such as police, ambulance and improving awareness of the disease by providing information for the patient or/and his caregiver.

KEYWORDS: Alzheimer's disease, dementia, ageing, technology, mobile application, Smartphone

REFERENCES

Help End Alzheimer's. Alzheimer's Association (2017) N.p., n.d. Web.

World Alzheimer Report 2010. The Global Economic Impact of Dementia. Alzheimer's Disease International. http://www.alz.co.uk/research/world-report (accessed June 2020)

Jennifer Ngo, Jayna M. Holroyd-Leduc, Systematic review of recent dementia practice guidelines, Age and Ageing, Volume 44, Issue 1, January 2015, Pages 25–33, https://doi.org/10.1093/ageing/afu143

Efficacy of music therapy in the treatment of behavioral and psychiatric symptoms of dementia. Raglio A, Bellelli G, Traficante D, Gianotti M, Ubezio MC, Villani D, Trabucchi M, Alzheimer Dis Assoc Disord. 2008 Apr-Jun; 22(2):158-62.

Topo P., Mäki O., Saarikalle K., et al. Assessment of a music-based multimedia program for people with dementia. Dementia. 2004;3(3):331–350. doi: 10.1177/1471301204045164.

Clair A., Bernstein B. A preliminary study of music therapy programming for severely regressed persons with Alzheimer's-type dementia. Journal of Applied Gerontology. 1990;9(3):299–311. doi: 10.1177/073346489000900305.

Yasini M, Marchand G. Adoption and Use of a Mobile Health Application in Older Adults for Cognitive Stimulation. Stud Health Technol Inform 2016;221:13-7.

Simmons-Stern N. R., Deason R. G., Brandler B. J., et al. Music-based memory enhancement in Alzheimer's disease: promise and limitations.Neuropsychologia.

2012;50(14):3295–3303. doi: 10.1016/j.neuropsychologia.2012.09.019.

Cuddy L. L., Duffin J. M., Gill S. S., Brown C. L., Sikka R., Vanstone A. D. Memory for melodies and lyrics in Alzheimer's disease. Music Perception: An Interdisciplinary Journal. 2012;29(5):479–491. doi: 10.1525/mp.2012.29.5.479.

Choi SK, Yelton B, Ezeanya VK, Kannaley K, Friedman DB. Review of the Content and Quality of Mobile Applications About Alzheimer's Disease and Related Dementias. J Appl Gerontol. 2020;39(6):601-608. doi:10.1177/0733464818790187

Samsung newsroom. Samsung Volunteers in Tunisia Develop App for Alzheimer's Patients. Available online: https://news.samsung.com/global/samsung-volunteers-in-tunisia-develop-app-for-alzheimers-patients

Tweri. Autonomy for people with Alzheimer's disease and peace of mind for their relatives and caregivers. 2016. Available online: http://www.tweri.com/home.aspx

Test memory Game. Developed by Xalgo. 2016. Available online: https://appgrooves.com/android/com.TestMemoryGame/test-memory-game/xalgo/

Prevent Alzheimer with maze. Available online: http://chiquitillo-games.android.informer.com/ko/

Bravo J, López-de-Ipiña D, Fuentes C, et al. Enabling NFC technology for supporting chronic diseases: a proposal for alzheimer caregivers. In: Aarts E, Crowley JL, de Ruyter B, et al. Editors. Ambient Intelligence. Berlin, Heidelberg: Springer, 2008;109-25.

Habash ZA, Wan Ishak WH, Omar MH. Android-Based Application to Assist Doctor With Alzheimer's Patient. Proceedings of the 4th International Conference on Computing and Informatics, ICOCI 2013 28-30 August, 2013 Sarawak, Malaysia.

Choon LS. Helper system for managing alzheimer's people using mobile application. Available online: http://umpir.ump.edu.my/id/eprint/13060/1/FSKKP%20-%20LIM%20SAY%20CHOON%20-%20CD%209775.pdf

Pirani Z, Bulakiwala F, Kagalwala M, et al. Android Based Assistive Toolkit For Alzheimer. Procedia Comput Sci 2016;79:143-51. 10.1016/j.procs.2016.03.019

Elfaki AO, Alotaibi M. The role of M-health applications in the fight against Alzheimer's: current and future directions. Mhealth. 2018;4:32. Published 2018 Aug 8. doi:10.21037/mhealth.2018.07.03

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NEW DIGITAL TECHNOLOGIES AGAINST TO ALZHEIMER'S DISEASE

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ABSTRACT

Alzheimer's disease affects more and more people around the world. Especially in Western Europe, it is reported by the researchers that Alzheimer's and dementia diseases are the most common diseases compared to the whole world. Scientists report that the progress of the disease in the early stage can be slowed down by intelligence games, physical exercise, matching games, and skills activities. Extending this stage can make the process easier for the individual and his/her relatives. The European Commission's reports state that new digital technologies have a strong potential to help individuals face challenges related dementia and neurodegenerative disorders. Therefore, the REMEM project idea has been developed which is supported by Turkish National Agency. Within this project, it is aimed to develop mobile applications for the Alzheimer's patients in the early stages and their relatives/the person responsible for the patient's care. In this study, the new digital technologies developed for the slowing down of the disease were researched. In addition, the objectives and outcomes of the REMEM project were introduced.

KEYWORDS: Alzheimer's disease, new digital technologies, REMEM

REFERENCES

Azimi I, Rahmani A M, Liljeberg P et al. Internet of things for remote elderly monitoring: a study. J Ambient Intell Human Comput, 2016.

Bipartisan Policy Centre. Healthy Aging Begins at Home. https:// bipartisanpolicy.org/wp-content/uploads/2016/05/BPC-Healthy-Aging.pdf. accessed 2016;11/02/2019

Deschamps T, Beauchet O, Annweiler C, et al. Postural control and cognitive decline in older adults: position versus velocity implicit motor strategy. Gait Posture. 2014;39(1):628-30

Dodge HH, Zhu J, Mattek NC, et al, Use of high-frequency in-home monitoring data may reduce sample sizes needed in clinical trials. PLoS One 2015;10:e0138095.

Jekel K., Damian M, Wattmo C et al. Mild cognitive impairment and deficits in instrumental activities of daily living: a systematic review 2015;7:17. . Alzheimer's Disease Research and therapy .

Mc Carthy M, Walsh D, Tallon J, et al . Can wearables and sensor data be used to add context to activities of daily living questionnaires? Qual Life Res 2018;27(Suppl 1): 1 S159.

Mlinac ME, F. M. Assessment of Activities of Daily Living, Self-Care, and Independence. , Volume 31, Issue 6, 1 September 2016, Pages 506–516,. Archives of Clinical Neuropsychology, 2016;506-516.

Schneider LS1, Mangialasche F, Andreasen N, et al. Clinical trials and latestage drug development for Alzheimer's disease: an appraisal from 1984 to 2014. J Intern Med 2014 March; 2014;275(3): 251–283. doi:10.1111/joim.12191, 251-283.

Schueler P, Siegfried K and Hüll M. Lessons Learned from Major Clinical Trials Conducted Over the Past Decades; in M Bairu; Alzheimer's Disease Trials, Elsevier, 2013.

Vellas R, Bateman K. Blennow, G et al. Endpoints for Pre-Dementia AD Trials: A Report from the EU/US/CTAD Task Force. J Prev Alzheimers Dis. 2015;Jun; 2(2): 128–135.

Wang Ju, Bauer J, Becker M et al, A novel approach for discovering human behavior patterns using unsupervised methods. Z Gerontol Geriat 2014;47:648–660

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THE EFFECT OF MUSIC ON ALZHEIMER PATIENTS

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ABSTRACT

Treatment with music is a type of treatment that is not among the basic treatments in the medical world. Remedies are sought by other complementary therapy methods for diseases in which modern medicine is not a cure. In particular, these therapy methods are used in the treatment of mental problems and psychological-based diseases and in increasing the quality of life of the patient as much as possible. However, in the 16th and 17th centuries, the first hospital built in the central system, which was provided with acoustics for music therapy, was established in Edirne II. Bayezid Dârüşşifası is still standing as a museum today. Alzheimer's disease accounts for 60% of all dementia-related diseases. This disease, which has no definitive treatment, is tried to increase the quality of life of the patient with delaying treatments. In this study, studies of music therapies in Alzheimer's patients and the researches on the historical development of these treatments were investigated.

KEYWORDS: Alzheimer treatment, life quality of Alzheimer patient, Music therapy in Alzheimer

REFRENCES

Işıl Birkan, (2014), Müzikle tedavi, tarihi gelişimi ve uygulamalari-music therapy, its historical development and applications, Ankara Akupunktur ve Tamamlayıcı Tıp Dergisi,

José Enrique de la Rubia Ortí, María Pilar García-Pardo, Carmen Cabañés Iranzo, José Joaquin Cerón Madrigal, Sandra Sancho Castillo, Mariano Julián Rochina, and Vicente Javier Prado Gascó. (2018), "Does Music Therapy Improve Anxiety and Depression in Alzheimer's Patients?",*The Journal of Alternative and Complementary Medicine*.Jan 2018.33-36.http://doi.org/10.1089/acm.2016.0346 , Published in Volume: 24 Issue 1: January 1, 2018)

JB King, KG Jones, E Goldberg, M Rollins, K MacNamee, C Moffit,(2019), Increased functional connectivity after listening to favored music in adults with Alzheimer dementia, *The journal of prevention of Alzheimer's disease 6 (1),* 56-62

Guetin S, Portet F, Picot MC, Pommié C, Messaoudi M, Djabelkir L et al. (2009) Effect of music therapy on anxiety and depression in patients with Alzheimer's type dementia: randomised, controlled study. Dementv Geriatr Cogn Disord, 28:36-46.

TR Lord ve JE Garner, 1993), "Effects of music on Alzheimer patients" , Volume 76, 2, Pages 451–455

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ALZHEMEIR'S DISEASE PRODUCED BY GUM BACTERIA ? AN UPDATE TO THE NEWEST IDEAS IN THE MEDICAL WORLD

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ABSTRACT

The scientific world has intensified their research focus on the possible link between *Alzheimer's disease and bacteria that causes periodontitis. Researchers have identified, Porphyromonas gingival is and its toxin, gingipains in brain samples from people with Alzheimer's disease. Successful tests have been carried out on mice in an effort to prevent the formation of gingipains. This bacteria has the potential along some genetic condition to cause brain cells damage and later on Alzheimer's disease. This lead to new ideas of future research and ways for a patient suffering of Alzheimer's disease to be able to maintain his oral hygiene and his additional denture work present at the time in his mouth. For patients that already have developed the disease, there are a couple of innovative new ideas that might help in maintain good oral health. Such as, the use of a smart phone can aid, believe it or not, to good oral health. An application can remind the patient in the morning and in the night to brush their teeth. It could potentially remember the patient on the best brushing technique for their situation. Further one, the applications can advise him to use additional cleaning methods like mouthwash rinses, interdentally brushes and floss and specific hours in the day and with the adequate cleaning technique. In the case that the patient has a removable denture, an application can remind him to take it at night, to clean it and leave it in a glass of water during the sleeping period. In the morning it could potentially remind the patient to put the denture back in his mouth with the help of a denture adhesive. Technology has invaded our lives and we are relying more and more on it for our daily routine. There is no reason why it cannot help patients with brain issues into having a normal life.*

KEYWORDS: Alzheimer's disease, new ideas, bacteria, new technology, innovation

REFERENCES

A.L. Griffen, M. R. Becker, S. R. Lyons, M. L. Moeschberger, E. J. Leys, Prevalence of *Porphyromonas gingivalis* and periodontal health status. J. Clin. Microbiol. **36**, 3239–3242 (1998).

J. Katz, N. Chegini, K. T. Shiverick, R. J. Lamont, Localization of *P. gingivalis* in preterm delivery placenta. J. Dent. Res. **88**, 575–578 (2009).

J. Mahendra, L. Mahendra, V. M. Kurian, K. Jaishankar, R. Mythilli, Prevalence of periodontal pathogens in coronary atherosclerotic plaque of patients undergoing coronary artery bypass graft surgery. J. Maxillofac. Oral Surg. **8**, 108–113 (2009).

M. Ishikawa, K. Yoshida, H. Okamura, K. Ochiai, H. Takamura, N. Fujiwara, K. OzakOral *P orphyromonas gingivalis* translocates to the liver and regulates hepatic glycogen

synthesis through the Akt/GSK-3β signaling pathway. Biochim. Biophys. Acta **1832**, 2035–2043 (2013).

Meng A, Nexø MA, Borg V. The impact of retirement on age related cognitive decline - a systematic review. BMC Geriatr 2017; 17: 160.

Mukadam N, Sommerlad A, Huntley J, Livingston G. Population attributable fractions for risk factors for dementia in low-income and middle-income countries: an analysis using cross-sectional survey data. Lancet Glob Health 2019; 7: e596–603.

Xue B, Cadar D, Fleischmann M, et al. Effect of retirement on cognitive function: the Whitehall II cohort study. Eur J Epidemiol 2018; 33: 989–1001.

https:/www.nhs.uk/conditions/alzheimers-disease/

Faturay F, Sun Y-Y, Dietzenbacher E, Malik A, Geschke A, Lenzen M. Using virtual laboratories for disaster analysis–a case study of Taiwan. Economic Systems Research. 2019:1–26.

Faturay F, Sun Y-Y, Dietzenbacher E, Malik A, Geschke A, Lenzen M. Using Virtual Laboratories for disaster analysis–A case study of Taiwan. Economic Systems Research. 2020;32(1):58–83

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A QUALITATIVE RESEARCH ON THE PROBLEMS OF INDIVIDUALS OVER 65 YEARS OF AGE DURING COVID-19 PROCESS

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ABSTRACT

The new Corona virus (COVID-19) outbreak, which was identified in January 2020, and first emerged in Wuhan province of China, affected especially individuals over 65 years of age. In order to protect from the epidemic, many countries have applied curfews to cut off these individuals' contact with others. Turkey is one of these countries. During this process, they faced a lot of difficulties. The purpose of this study is to identify the problems experienced by individuals over 65 years of age and to produce solutions in the Covid-19 process. Qualitative research method was used to determine the opinions of the participants on the subject. A semi-structured interview form developed by researchers was used to obtain research data. The main criteria in determining the participants are individuals over the age of 65. "Criterion sampling method" was taken into account in determining the survey content. Content analysis was applied to the qualitative data. The study was conducted in Denizli with the opinions of 13 participants (5 = female; 8 = male). According to the research, individuals over 65 years of age concerned that they and their children would be infected with the Covid-19. They longed to spend time outside and hug somebody. They have shown sensitivity in taking measures related to health and cleanliness. They took care to keep in touch with their families without being side by side. Those without social security think that they should be paid a salary during this process.

KEYWORDS: Elderly, Covid-19, Curfew.

REFERENCES

Au R, Piers RJ, Devine S. How Technology is Reshaping Cognitive Assessment: Lessons from the Framingham Heart Study. Neuropsychology. 2017 ;31(8): 846–861.

Beauchet O, Allali G, Launay C, et al. Gait variability at fast-pace walking speed: a biomarker of mild cognitive impairment? Neurol Sci. 2013; Aug;34(8):1275-82

Gold M, Amatniek J, Carrillo MC, et al. Digital technologies as biomarkers, clinical outcomes assessment, and recruitment tools in Alzheimer's disease clinical trials. Alzheimers Dement 2018; 4: 234–242.

https://www.ctti-clinicaltrials.org/sites/www.ctti-clinicaltrials.org/files/ mobile-devices-recommendations.pdf#Pg18Ln30 accessed 11/02/2019

M. Mc Carthy, W. Muehlhausen, P. Schüler. The case for using actigraphy generated sleep and activity endpoints in Alzheimer's Disease clinical trials. J Prev Alz Dis 2016;3(3):173-176

Martínez-Sánchez F, Meilán JJG, Carro J, et al, A Prototype for the Voice Analysis Diagnosis of Alzheimer's Disease. J Alzheimers Dis. 2018;64(2):473- 481

Mc Carthy M, Gon C. Can digital footprints capture clinically relevant gait endpoints in non clinical setting: A proof of concept. The Journal of Prevention of Alzheimer's Disease – JPAD Volume 5, Supplement 1, 2018 S186.

Santos CY, Snyder PJ, Wu W et al. Pathophysiologic relationship between Alzheimer's disease, cerebrovascular disease, and cardiovascular risk: A review and synthesis. Alzheimers Dement (Amst). 2017; 7: 69–87.

FACTORS INFLUENCING THE NEW DIGITAL TEHNOLOGIES VS MHEALTH

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ABSTRACT

With the advent of this online environment, there have been some major changes in human life. The Internet offers modern people a lot of benefits, which make their life easier or better, or help them save time, money, or give them ways to spend their time efficiently or find information about small health problems. Last but not least, the virtual environment together with mHealth, which has emerged as a necessity in the medical field, offers a wide range of uses: an educational and informative environment, fast communication between people from the farthest points and apparently less accessible globally, the latest news in the economic and medical field, access to various activities to "relax" the patient games, books, pictures, movies, music all in the desire to find solutions and improve the social environment. The case study identifies the factors that influence the use of the Internet and how to use it.

KEYWORDS: virtual media, information, health, communication, m-health

REFERENCES

Accenture Consulting, Accenture 2019 Digital Health Consumer Survey US Results, Today's Consumers Reveal the Future of Healthcare, Available online: https://www.accenture.com/_acnmedia/pdf-94/accenture-2019-digital-health-consumer-survey.pdf, (accessed September 2020)

British Medical Journal, Data sharing practices of medicines related apps and the mobile ecosystem: traffic, content, and network analysis, Available online: https://www.bmj.com/content/364/bmj.l920, (accessed September 2020)

IQVIA institute for Human Data Science, The Growing Value of Digital Health: Evidence and Impact on Human Health and the Healthcare System, Available online : https://www.iqvia.com/institute/reports/the-growing-value-of-digital-health, (accessed September 2020)

Johns Hopkins University School of Medicine, JAMA Internal Medicine, Validation of the Instant Blood Pressure Smartphone App, Available

online: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4922794/(accessed September 2020)

Harari YN. The world after coronavirus: Financial Times; 2020 [cited 2020 6 April]. Available from: https://www.ft.com/content/19d90308-6858-11ea-a3c9-1fe6fedcca75.

Haren P, Simchi-Levi D. How coronavirus could impact the global supply chain by mid-March. Harvard Business Review. 2020;(28 Feb).

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THE RELATIONSHIP BETWEEN ADDICTION AND ALZHEIMER

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ABSTRACT

Alzheimer's disease is a degenerative condition that affects the cognitive state, memory, perception and affective management of the brain. Alzheimer's originally defined as a side effect of aging is the sixth cause of death in the world. Changes associated with this disorder in the brain can be triggered by environmental exposures and genetic factors. The relationship between drug and alcohol use and dementia is well known, and dementia can occur in people who use intoxicating substances for a long time. It may increase the speed of neurological damage associated with dementia or Alzheimer's. In some cases, people with Alzheimer's disease may increase drug or alcohol consumption in response to the onset of their condition, making the course of the disease worse. In this study, the relationship between drug and alcohol addiction and Alzheimer's disease was investigated.

KEYWORD: Addiction drug in Alzheimer, Addiction alcohol in Alzheimer

REFRENCES

AT Sapse, Protected complex of procaine for the treatment of symptoms from narcotics addiction, tinnitus and Alzheimer's disease, US Patent 5,064,858, 1991

Chan D, Shafto M, Kievit R, et al. Lifestyle activities in mid-life contribute to cognitive reserve in late-life, independent of education, occupation, and late-life activities. Neurobiol Aging 2018; 70: 180–83.

Chieffi S, Messina G, Villano I, et al. exercise influence on hippocampal function: possible involvement of orexin-A. Front Physiol 2017; 8: 85.

Latimer CS, Keene CD, Flanagan ME, et al. Resistance to Alzheimer disease neuropathologic changes and apparent cognitive resilience in the Nun and Honolulu-Asia Aging Studies. J Neuropathol Exp Neurol 2017; 76: 458–66.

Lee ATC, Richards M, Chan WC, Chiu HFK, Lee RSY, Lam LCW. Association of daily intellectual activities with lower risk of incident dementia among older Chinese adults. JAMA Psychiatry 2018; 75: 697–703.

Lothar Saiger, Agent for treating the symptoms of dementia disorders containing an additional local anesthetic agent, WO2003011269A1 WIPO (PCT)Patent

Nelson PT, Dickson DW, Trojanowski JQ, et al. Limbic-predominant age-related TDP-43 encephalopathy (LATE): consensus working group report. Brain 2019; 142: 1503–27.

Norton S, Matthews FE, Barnes DE, Yaffe K, Brayne C. Potential for primary prevention of Alzheimer's disease: an analysis of population-based data. Lancet Neurol 2014; 13: 788–94.

Parbo P, Ismail R, Hansen KV, et al. Brain inflammation accompanies amyloid in the majority of mild cognitive impairment cases due to Alzheimer's disease. Brain 2017; 140: 2002–11.

Patterson C. World Alzheimer report 2018. London: Alzheimer's Disease International, 2018. Livingston G, Sommerlad A, Orgeta V, et al. Dementia prevention, intervention, and care. Lancet 2017; 390: 2673–734.

Perneczky R, Kempermann G, Korczyn AD, et al. Translational research on reserve against neurodegenerative disease: consensus report of the International Conference on Cognitive Reserve in the Dementias and the Alzheimer's Association Reserve, Resilience and Protective Factors Professional Interest Area working groups. BMC Med 2019; 17: 47.

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SLOWING ALZHEIMER WITH NUTRITIONAL APPROACHES

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ABSTRACT

Alzheimer's is a brain disease that is caused by the accumulation of β-Amyloid plaques on nerve cells in the brain, the cause of which is not yet known. Although the cause is unknown, it is a deadly disease that has not yet been treated. While the researches for the treatment of the disease continue, in parallel with these studies, many studies are conducted to prevent the progression of the disease with preventive measures. In early ages, due to the effect of protective factors, the rate of disease progression is low in groups at risk. For two years, a study with 1260 elderly people (60-77 years old) in the Scandinavian countries has shown that with the help of nutritional measures, mental exercise, social activities and heart health measures in elderly people, mental decline in the elderly can be reduced and partial dementia can be prevented. Thus, it has been scientifically proven that regular nutrition, a more social life and mental exercises are effective methods against the disease. Studies emphasize the importance of consuming healthy foods away from environmental toxins and agricultural materials. Researchers, fish and seafood and vegetables rich in omega-3 fatty acids, a certain amount of coffee, cocoa consumption, fruits and juices with high antioxidant properties due to their resveratrol activity, the effect of having a person in the nutrition program is emphasized. In this study, it examines the diets suitable for Alzheimer's patients and risk groups and the foods that should be included in the nutrition programs.

KEYWORDS: Alzheimer and diet, Alzheimer and Omega-3, Resveratrol, nutrition in Alzheimer

REFERENCES

Angela L. Murad, 15 Simple Diet Tweaks That Could Cut Your Alzheimer's Risk. 19.09.2019 (ex. 15.08.2020), Available online at: https://www.mayoclinic.org/diseases-conditions/alzheimers-disease/in-depth/15-simple-diet-tweaks-cut-alzheimers-risk/art-20342112

Arenaza-Urquijo EM, Przybelski SA, Lesnick TL, et al. The metabolic brain signature of cognitive resilience in the 80+: beyond Alzheimer pathologies. Brain 2019; 142: 1134–47.

Ceylan, N., Yenice, E., Gökçeyrek, D., Tuncer, E., 1999. İnsan Beslenmesinde Daha Sağlıklı Yumurta Üretimi Yönünde Kanatlı Besleme Çalışmaları. YUTAV'99 Uluslararası Tavukçuluk Fuarı ve Konferansı, 3-6 Haziran, İstanbul, 300-307.

Cleusa P, Ferri, Martin Prince, Carol Brayne, et al. Global Prevalence of Dementia: a Delphi Consensus Study. Lancet. 2005;366:2112–2117.

http://www.kastamonugazetesi.com.tr/alzheimer-hastaligi-ve-beslenme-onerileri/ 20.12.2019

https://www.tzv.org.tr/#/haber/189 (ex. 17.08.2020)

İzzet Türkalp Akbaşlı, Flavanoidler ve Antioksidan Özellikleri, 01.04.2013 (ex. 15.08.2020) https://www.researchgate.net/publication/281849678_FLAVONOIDLER_VE_ANTIOKSIDAN_OZELLIKLERI

Laden Hekimoğlu, Alzheimer Hastalığı ve Beslenme Önerileri, 20.12.2019 (ex. 16.08.2020)

Leskanich, C.O. ve Noble, R., 1997.Manipulation of The n-3 Polyunsaturated Fatty Acid Composition of Avian Eggs and Meat. World's Poultry Science Journal, 53, 155-183

Mine Bilge Sefacı, Alzheimer Hastalığında Beslenme, (ex. 16.08.2020) from https://www.rafinera.com/blog/diyetisyen-kosesi/alzheimer-hastaliginda-beslenme

Şaban Çelebi, Hatice Kaya, Adem Kaya, Omega-3 Yağ Asitlerinin İnsan Sağlığı Üzerine Etkileri, Alınteri Journal of Agricultural Sciences, 2017, 32(2), p:105-112

Yıldız Dinçer, Alzheimer Hastalığının Beslenme İle İlişkisi Var Mıdır?, (ex. 16.08.2020), from http://www.mersinalzheimer.org/alzheimer-hastaliginin-beslenme-ile-iliskisi-var-midir/

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ALZHEIMER'S DISEASE AND NEW APPROACHES FROM THE FIRST DIAGNOSIS TO THE TODAY

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ABSTRACT

Agusto DETER was a 51-year-old lady who was living in Germany, with her "husband cheating on herself" and similar paranoia. After her death in 1907, as a result of the examination on her brain, ALZHEIMER'S DISEASE was identified thanks to the reviews and publication of Dr.Alois ALZHEİMER and Dr.Emil Kraepelin. Alzheimer's is a type of Dementia that we know as "dementia" and a progressive pathology that affects life with progressive memory loss, dementia, decreased cognitive functions in general, decrease in behavioral functions, as a result of the abnormal accumulation of "amyloid beta proteins" in the brain. It may take years for the disease to come to an advanced stage. As it is a progressive disease, early symptoms often result in the forgetting of the recent events and the loss of the ability to do daily activities alone in the later stages. Alzheimer's Patients frequently refer to Physicians with the symptoms of cognitive and behavioral performance. In the first stages, symptoms are mild, but become more evident over time. With the progress of the events, items, names that were experienced at first, with the progress: The blurring of consciousness, the problem of adaptation to the current environment, the disappearance of the places it knows, the speaking and language skills are weakening, the suspicion including the relatives around them (Paranoia) are developing these sometimes turn into halications, low motivation, Everyday needs cannot be done without help, they refuse to remember events and anxiety depression develops. As time goes on these symptoms become severe and they no longer recognize family members, the recent past is completely forgotten. The cause of Alzheimer's Disease has not been established with certainty. However, the factors that play a role in the development of the disease are: advanced age, the presence of a family history of Alzheimer's, down syndrome, past head trauma, sleep disorder, inadequate physical activity, obesity, high blood pressure and hyper cholesterolaemia, history of type 2 diabetes (diabetes mellitus), tobacco use, inadequate and unhealthy nutrition. There is no test leading to a definitive diagnosis in Alzheimer's Disease Diagnosis. Detailed history (Anamnesis) of patients who apply to Neurology or Psychiatry Clinics is taken. The anamnesis is expanded by taking the patient from the family and close circles. Neurological examination is performed, balance, behavior, memory and reflexes are examined. Psychiatric Anamnesis is performed to make differential diagnosis, Blood Tests (Hematological Tests), Biochemical and Hormone Tests, Ultrasonography, Computed Tomography (BT), Magnetic Resonance (MR), and presence of depression. Albeit rare, Gene Tests (Alzheimer has been proposed to investigate the APOE-e4 gene but has not been accepted as a proven method). The treatment approach in Alzheimer's patients is multidimensional and the social approach is predominant. With a more accurate definition, we try to delay its progress and aim to organize a personalized lifestyle. Necessary arrangements should be made in the home environment; if possible, we should ensure that there is support staff. We should raise awareness of the existing symptoms of the disease. In case of living alone, precautions should be taken to facilitate the life of forgetfulness. Activities for strengthening memory, problem solving and preserving language skills should be implemented. Alcohol and cigarettes should be quit, learning new things, acquiring different hobbies, puzzles, brain training and countless activities involving them, and even become part of their lives.

KEYWORDS: Alzheimer disease, daily life Alzheimer patients, new approaches in Alzheimer

REFRENCES

Birkan, Z. Işıl. "Müzikle Tedavi, Tarihi Gelişimi ve Uygulamaları – Music Threapy, Its Historical Development and Apllications". Ankara Akupunktur ve Tamamlayıcı Tıp Dergisi, 2014.

Friedrich MJ. Global obesity epidemic worsening. JAMA 2017; 318: 603.

Jia L, Quan M, Fu Y, et al. Dementia in China: epidemiology, clinical management, and research advances. Lancet Neurol 2019; 19: 81–92.

Kajitani S, Sakata K, McKenzie C. Occupation, retirement and cognitive functioning. Ageing Soc 2017; 37: 1568–96.

Kingston A, Comas-Herrera A, Jagger C. Forecasting the care needs of the older population in England over the next 20 years: estimates from the Population Ageing and Care Simulation (PACSim) modelling study. Lancet Public Health 2018; 3: e447–55.

Palmqvist S., Janelidze S., Quiroz YT, et al. "Discriminative Accuracy of Plasma Phospho-tau217 for Alzheimer Disease vs Other Neurodegenerative Disorders". JAMA. 2020; 324(8):772–781. doi:10.1001/jama.2020.12134.

Wallace LMK, Theou O, Godin J, Andrew MK, Bennett DA, Rockwood K. Investigation of frailty as a moderator of the relationship between neuropathology and dementia in Alzheimer's disease: a cross-sectional analysis of data from the Rush Memory and Aging Project. Lancet Neurol 2019; 18: 177–84.

Wu YT, Ali GC, Guerchet M, et al. Prevalence of dementia in mainland China, Hong Kong and Taiwan: an updated systematic review and meta-analysis. Int J Epidemiol 2018; 47: 709–19.

Singh-Manoux A, Dugravot A, Shipley M, et al. Obesity trajectories and risk of dementia: 28 years of follow-up in the Whitehall II study. Alzheimers Dement 2018; 14: 178–86.

Staff RT, Hogan MJ, Williams DS, Whalley LJ. Intellectual engagement and cognitive ability in later life (the "use it or lose it" conjecture): longitudinal, prospective study. BMJ 2018; 363: k4925.

Stern Y, Arenaza-Urquijo EM, Bartrés-Faz D, et al. Whitepaper: defining and investigating cognitive reserve, brain reserve, and brain maintenance. Alzheimers Dement 2020; published online Jan 6. https://doi.org/10.1016/j.jalz.2018.07.219.

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DETERMINING THE LEVEL OF KNOWLEDGE OF ALZHEIMER'S PATIENT RELATIVES ABOUT THE DIFFICULTIES THEY FACE IN PATIENT CARE

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ABSTRACT

During the care of Alzheimer's patients, their relatives face many difficulties. Relatives of the patients generally do not have sufficient information about the disease progression and patient care. Therefore, it is important and necessary to identify the difficulties faced by patient relatives and to determine the level of theirs knowledge about the disease. The aim of this study is to identify the difficulties faced by patients' relatives and to determine their level of knowledge about the disease. A quantitative research method with 22 multiple choice questions created on docs. Google was used. The form was included personal information form covering various demographic features of patients and their relatives, and questions to determine the level of knowledge of patients' relatives about the problems faced by their patients in the care process. Nonparametric analyzes were carried out to determine whether there is a difference between the knowledge level of the patients 'relatives according to the demographic structures. Within the framework of the data of this study, it was decided that the relatives of the patients who take care of the patients need a guide book in printed and online forms in order to overcome the difficulties they face.

KEYWORDS: Alzheimer's, Alzheimer's patient relatives, Alzheimer's disease knowledge level

REFERENCES

Abell JG, Kivimäki M, Dugravot A, et al. Association between systolic blood pressure and dementia in the Whitehall II cohort study: role of age, duration, and threshold used to define hypertension. Eur Heart J 2018; 39: 3119–25.

Ahmadi-Abhari S, Guzman-Castillo M, Bandosz P, et al. Temporal trend in dementia incidence since 2002 and projections for prevalence in England and Wales to 2040: modelling study. BMJ 2017; 358: j2856.

Anstey KJ, Ee N, Eramudugolla R, Jagger C, Peters R. A systematic review of meta-analyses that evaluate risk factors for dementia to evaluate the quantity, quality, and global representativeness of evidence. J Alzheimers Dis 2019; 70: S165–86.

Blacker D, Weuve J. Brain exercise and brain outcomes: does cognitive activity really work to maintain your brain? JAMA Psychiatry 2018; 75: 703–04.

Cholerton B, Larson EB, Baker LD, et al. Neuropathologic correlates of cognition in a population-based sample. J Alzheimers Dis 2013; 36: 699–709.

Denier N, Clouston SAP, Richards M, Hofer SM. Retirement and cognition: a life course view. Adv Life Course Res 2017; 31: 11–21.

Franzmeier N, Düzel E, Jessen F, et al. Left frontal hub connectivity delays cognitive impairment in autosomal-dominant and sporadic Alzheimer's disease. Brain 2018; 141: 1186–200.

Gao S, Burney HN, Callahan CM, Purnell CE, Hendrie HC. Incidence of dementia and alzheimer disease over time: a metaanalysis. J Am Geriatr Soc 2019; 67: 1361–69.

Grotz C, Meillon C, Amieva H, et al. Why is later age at retirement beneficial for cognition? Results from a French population-based study. J Nutr Health Aging 2016; 20: 514–19.

Hoffman SJ, Mammone J, Rogers Van Katwyk S, et al. Cigarette consumption estimates for 71 countries from 1970 to 2015: systematic collection of comparable data to facilitate quasiexperimental evaluations of national and global tobacco control interventions. BMJ 2019; 365: l2231.

Kivimäki M, Luukkonen R, Batty GD, et al. Body mass index and risk of dementia: analysis of individual-level data from 1·3 million individuals. Alzheimers Dement 2018; 14: 601–09.

Kremen WS, Beck A, Elman JA, et al. Influence of young adult cognitive ability and additional education on later-life cognition. Proc Natl Acad Sci USA 2019; 116: 2021–26.

Larsson SC, Traylor M, Malik R, Dichgans M, Burgess S, Markus HS. Modifiable pathways in Alzheimer's disease: Mendelian randomisation analysis. BMJ 2017; 359: j5375.

McGrath ER, Beiser AS, DeCarli C, et al. Blood pressure from mid- to late life and risk of incident dementia. Neurology 2017; 89: 2447–54.

Neitzel J, Franzmeier N, Rubinski A, Ewers M. Left frontal connectivity attenuates the adverse effect of entorhinal tau pathology on memory. Neurology 2019; 93: e347–57.

Peters R, Ee N, Peters J, Booth A, Mudway I, Anstey KJ. Air pollution and dementia: a systematic review. J Alzheimers Dis 2019; 70: S145–63.

Prince M, Ferri CP, Acosta D, et al. The protocols for the 10/66 dementia research group population-based research programme BMC Public Health 2007; 7: 165.

Sabia S, Dugravot A, Dartigues JF, et al. Physical activity, cognitive decline, and risk of dementia: 28 year follow-up of Whitehall II cohort study. BMJ 2017; 357: j2709.

Satizabal CL, Beiser AS, Chouraki V, Chêne G, Dufouil C, Seshadri S. Incidence of dementia over three decades in the Framingham heart study. N Engl J Med 2016; 374: 523–32.

Singh-Manoux A, Dugravot A, Fournier A, et al. Trajectories of depressive symptoms before diagnosis of dementia: a 28-year follow-up study. JAMA Psychiatry 2017; 74: 712–18.

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GAMING ATTITUDES AND HABITS OF ADULTS AGES 50-PLUS IN TURKEY

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ABSTRACT

The elderly population in our country and in the world continues to increase rapidly. Today, there are 44 million dementia patients worldwide. According to the Turkey Statistical Institute(TUIK) data, in 2023 the country over 65 years is expected to continue to be that big a rapid increase in the incidence of dementia and over 10% of the elderly population ratio. In Turkey, according to cause of death statistics, the number of elderly people who died of Alzheimer's illness, while 10 thousand 236 in 2014, rose to 13 thousand 767 in 2018. While the proportion of the elderly who died from Alzheimer's disease was 3.9% in 2014, this rate increased to 4.6% in 2018. It is observed that the inactive areas of the brain are activated, brain movements increase significantly and there are improvements in recall skills while older individuals are playing digital games. Therefore, there are studies that elderly people can develop digital games that are most suitable for Alzheimer's and dementia disorders. In this study, a randomized study was conducted on the game habits of individuals over 50 years old. The types of games that people chose, their contribution to focus, processing skills and memory effects were investigated.

KEYWORDS: gaming attitudes, digital games, Alzheimer and dementia, games for Alzheimer

REFERENCES

Greg L. West , Benjamin Rich Zendel , Kyoko Konishi,Jessica Benady-Chorney,Veronique D. Bohbot,Isabelle Peretz,Sylvie Belleville,(2017), "Playing Super Mario 64 increases hippocampal grey matter in older adults", December 6, 2017, Available online at: https://doi.org/10.1371/journal.pone.0187779

Nelson-Kakulla, Brittne, P.h.D. 2020 Gaming Trends of the 50+. Washington, DC: AARP Research, December 2019. https://doi.org/10.26419/res.00328.001.

Anderson, G. Oscar. Video Games: Attitudes and Habits of Adults Age 50-Plus. Washington, DC: AARP Research, June 2016. https://doi.org/10.26419/res.00125.001

Kenneth A. Blocker, Timothy J. Wright, Walter R. Boot "Gaming Preferences of Aging Generations", Gerontechnology. Author manuscript; available in PMC 2017 Oct 12.

Published in final edited form as: Gerontechnology. 2014; 12(3): 174–184. PMCID:PMC5637547