LEMBAR

HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW KARYA ILMIAH: JURNAL ILMIAH

Judul Artikel Ilmiah	:	Determination of Priority Elements of Vigilance in the Use of Pesticides based on Difficulty and Usefulness (A Supporting Study for Law and Policy in Health)
Nama semua penulis	:	Ilyas Ibrahim, Ketut Sudiana, H J Mukono, Suhartono, Heru Santoso Wahito
Status Pengusul (coret yg tidak perlu)) :	Penulis Utama/ Penulis Utama & Korespondensi/ Penulis Korespondensi/ Penulis Anggota
Status Jurnal:		80
Nama Jurnal	:	Indian Journal of Forensic Medicine & Toxicology
 Tahun terbit/Vol/No/halaman 	:	2020/Vol 14/No 2
 Edisi (bulan, tahun) 	;	April-Juni 2020
• ISSN	;	Print: 0973-9122. Online: 0973-9130
• DOI		https://doi.org/10.37506/ijfmt.v14i2.3156
Alamat WEB Jurnal/ Proceeding	:	http://medicopublication.com/index.php/ijfmt/index
Terindex di	:	Scimago jr Q4 (SJR 2019=0,138),
Kategori Publikasi (beri tanda V ya	ang ses	suai)
 Jurnal Internasional 	[]	Jurnal internasional bereputasi & memiliki impact factor
	[√]	Jurnal internasional bereputasi/Q4 SJR 2019=0,138
Kategori Publikasi (beri tanda V ya • Jurnal Internasional	ang ses [] [√]	suai) Jurnal internasional bereputasi & memiliki impact factor Jurnal internasional bereputasi/Q4 SJR 2019=0,138

	[1]	Junia memasional bereputasi Q4 SJK 2017-0,130
	[]	Jurnal Internasional
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	Nilai Total	30	25.5
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с	Kecukupan dan kemutahiran data/informasi dan metodologi	Metode: tidak disebutkan kriteria inklusi penelitian ini. Bahkan data responden tidak disajikan.
d	Kelengkapan unsur dan kualitas jurnal	Merupakan jurnal terindex scopus Q4 dengan SJR 0.138. Menerbitkan hamper 400 paper/1600 halaman per issue.

Semarang, 04 Desember 2020 Reviewer 1

Prof. Dr. dr. Tri Indah Winarni, MSi.Med, PA. NIP 196605101997022001 Unit kerja: Fakultas Kedokteran UNDIP

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<u>Status Jurnal:</u>		
J Nama Jurnal	:	Indian Journal of Forensic Medicine & Toxicology
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) Terindex di	:	Scimago jr Q4 (SJR 2019=0,138),
Kategori Publikasi (beri tanda V ya	ng ses	suai)
Jurnal Internasional	[]	Jurnal internasional bereputasi & memiliki impact factor
/	[]	Jurnal internasional bereputasi/Q4 SJR 2019=0,138
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		Jurnal internasional bereputasi/Q4 SJR 2019=0,138
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d	Kelengkapan unsur dan kualitas jurnal (30%)	9	8
	Nilai Total	30	24
	Nilai yang didapat pengusul: 24 X 0.4 =9.6/4	=2.4	

Catatan Penilaian artikel oleh Reviewer

а	Kelengkapan unsur isi artikel	Artikel telah memenuhi kaidah penulisan jurnal yang dituju yaitu
		Abstract, introduction, method, findings, discussion, conclusion,
		references.
b	Ruang lingkup & kedalaman pembahasan	Pembahasan artikel cukup baik dan mendalam meskipun hanya
		menggunakan 11 karya ilmiah sebagai referensi. Dari seluruh referensi
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	dan metodologi	dan pemaparan data penelitian jelas dan informative sehingga mudah
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d	Kelengkapan unsur dan kualitas jurnal	Artikel terindeks di ScimagoJR, EMBASE SJR 2019 adalah 0,138

Semarang, 9 Desember 2020 Reviewer 2

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Prominence percentile: 99.933

Author keywords

Difficulty) (Farmer)(Health law and policy, pesticide) (Usefulnes)
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Sourcerecord ID	Source Title (Medline-sourced journals are indicated in Green)	Print-ISSN	E-ISSN	Active or Inactive	Titles discontinued by Scopus due to quality issues	Coverage	Article language in source (three-letter ISO language codes)
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19700187304	Indian Journal of Anaesthesia	00195049	09762817	Active		2010-ongoing	ENG
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17538	Indian Journal of Clinical Biochemistry	09701915		Active		1986-ongoing	ENG
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21418	Indian Journal of Environmental Health	0367827X		Inactive		1996-2004, 1972-1989	ENG
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28386	Indian Journal of Gastroenterology	02548860	09750711	Active		1982-ongoing	ENG
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Determination of Priority Elements of Vigilance in the Use of Pesticides based on Difficulty and Usefulness (A Supporting Study for Law and Policy in Health)

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Determination of Priority Elements of Vigilance in the Use of Pesticides based on Difficulty and Usefulness (A Supporting Study for Law and Policy in Health)

Ilyas Ibrahim¹, I Ketut Sudiana², H J Mukono³, Suhartono⁴, Heru Santoso Wahito Nugroho⁵

¹Doctoral Student, Faculty of Public Health, Universitas Airlangga / Lecturer, Faculty of Health Science, Universitas Bumi Hijrah Tidore, ²Professor, Department of Pathological Anatomy, Faculty of Medicine, Universitas Airlangga, ³Professor, Faculty of Public Health, Universitas Airlangga, ⁴Associate Professor, Faculty of Public Health, Universitas Diponegoro, ⁵Associate Professor, Poltekkes Kemenkes Surabaya

Abstract

The use of pesticides is still a problem for public health, therefore we need a regulation by the authorities, which can lead to the behavior of using pesticides correctly. This is part of the area of law and health policy. Pesticide poisoning can cause breathing difficulties, headaches, neurological or psychological effects, and skin irritation and mucous membranes. The purpose of this study is to provide an overview of some elements of vigilance in the use of chemical pesticides for farmers. The variables studied were difficulty and usefulness with eight elements, namely the use of personal protective equipment (PPE), pesticide storage, pesticide use procedures, use of pesticide doses, duration and frequency of pesticide spraying, maintaining equipment cleanliness, pesticide spraying according to wind direction and time of pesticide spraying. The sample size of this study was 100 respondents from the community who knew about the use of pesticides throughout Indonesia. The research instrument used was a Google form questionnaire sent to respondents via Whatsapp social media. The data that has been collected is analyzed descriptively to get an idea of which elements are the priorities for improvement. Referring data analysis result, the elements with high difficulty and usefulness together were use of pesticide doses and procedures for using pesticides. Thus, the two elements selected as priority elements will be fixed first. It is suggested that the pesticide control policy makers can develop regulations by prioritizing the two main elements, without ignoring the other six elements. In addition, it is also recommended that other control efforts be made that can be recommended to related parties in the area of law and health policy, related to the prevention of health problems caused by the use of pesticides.

Keywords: health law and policy, pesticide; farmer; difficulty; usefulness

Introduction

The use of pesticides is still a problem for public health, therefore we need a regulation by the authorities, which can lead to the behavior of using pesticides correctly. This is part of the area of law and health policy. With formal regulation, efforts to control the use of pesticides can be better regulated, so that the negative impacts that occur can be minimized.

Corresponding author:

Ilyas Ibrahim (ilyas.ibrahim-2016@fkm.unair.ac.id) Address: Campus C UNAIR, Mulyorejo, Surabaya, Indonesia Pesticides have a major role in increasing agricultural production. Based on experience in Latin America, the use of pesticides can increase cocoa production by 40%. In Pakistan, pesticides help increase sugarcane production by 33%, and based on FAO records the use of pesticides can save cotton crops up to 50%.⁽¹⁾

Many research results show a relationship between the use of pesticides with health problems in workers. According to WHO, intentional or unintentional pesticide poisoning is a serious problem in agricultural communities in poor and developing countries. It is estimated that around 250,000 deaths occur due to pesticide poisoning each year.⁽²⁾

Risk factors in Implant Placement: A Retrospective Analysis

Thilak Shetty¹, Shobha Rodrigues², Sharon Saldanha³, Umesh Pai³, Mahesh M³, Puneeth Hegde³, Manawar Ahmad⁴

¹Professor, ²Professor & Head, ³Associate Professor, Department of Prosthodontics, Manipal College of Dental Sciences, Mangalore, Manipal Academy of Higher Education, ⁴Assistant Professor, Department of Prosthetic Dental Sciences, Jazan University, Jazan, Saudi Arabia.

Abstract

Purpose: The aim of this retrospective study was to determine the prevalence of implant failure and its associated risk factors using a single implant system in our clinical setting

Method: Patients who received implant treatment with a single implant system (MIS, Confident India) at Manipal College of Dental Sciences, Mangalore from 2010 to 2016 were enrolled. The following data were collected for analysis: patient details, field of expertise to which the surgeon belonged ,diameter and length of the implant, The outcomes assessed were early or delayed failure on the basis of operator , implant, anatomy and patient related factors .

Results: This study analyzed 363 implants in 327 patients, who comprised 136 females and 191 males and were followed up until failure was reported after implant placement. 22 implants failed prior to final prosthesis delivery (early implant failure), and 5 implants were lost after prosthesis delivery. Out of 363 implants 206 (57%) implants were placed by the Department of Prosthodontics, 77(21%) by the Department of Periodontics and 69 (19%) by the Department of Oral surgery and remaining were placed by a single Endodontist (3%) specialized in Implantology.. (9/206=4%) failures were reported from Prosthodontics and 18 (18/69=26%) failures from Oral Surgery No failures were reported from Periodontics.

Conclusions: Prospective studies are warranted to further elucidate the factors contributing to implant failure. In the meantime, surgeons should receive appropriate training and carefully select the bone bed in order to minimize the risk of implant failure.

Key words: Early implant failure, overload, risk factors

Introduction

Dental implants have been considered to be a highly predictable treatment modality for replacing lost teeth in both partially and completely edentulous patients. Buser et al. retrospectively evaluated 511 implants with a sandblasted, large-grit, and acid-etched (SLA) surface, and reported a high 10-year success rate of 97%.¹ However, not all implants are expected to show

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Dr. Shobha J Rodrigues Email ID- shobha.j@manipal.edu Contact No- +91-9448100464 Address: Department No. 7, Manipal College of Dental Sciences, Lighthouse Hill road, Mangalore 575001 successful results, and adverse results that lead to implant removal are inevitable in routine practice due to the potential presence of many contributing factors.

Implant failure has been categorized as early and late in retrospective studies according to the time of prosthesis connection and time of loading .² Recent studies have found that the prevalence of implant failure is higher in the early phase than in the late phase regardless of the loading time. ³ This might be largely attributed to the vulnerability of the early phase, during which the primary stability decreases while the secondary stability gradually increases .⁴ Therefore, considerable interest has emerged in investigating the mechanism of early implant failure and the management interventions that are required to minimize the rate of implant failure.

Factors Related to Alzheimer's Disease, Tau Pathology in Alzheimer's Disease: Possible Treatments for Tau Pathology

Vityala Yethindra¹, Narsimharaj Alenur², Lakkam Saicharan³

¹MBBS 4th Year and Young Scientist, ²MBBS 2nd Year, ³MBBS 4th Year, International Higher School of Medicine, International University of Kyrgyzstan, 1f Intergelpo Street, Bishkek, Kyrgyzstan

Abstract

The Tau protein is a microtubule-associated protein that acts as a three-dimensional "railroad tie" for the microtubule. Accumulation and Aggregation of the Tau is the pathogenesis of Alzheimer's disease. Risk factors like ApoE risk alleles, changes in the endoplasmic reticulum, and Kinases and phosphatases dysregulation have identified as the most critical factors. In Tau pathology, the abnormal hyperphosphorylation of tau appears as its accumulation in the affected neurons in Alzheimer's disease.

Neurofibrillary Tangles has shown truncated tau in both Glu-391 and Asp-421. Truncated tau associated with apoptosis in cultured cells. All six molecules of tau are the hyperphosphorylated state in PHF. In AD, hyperphosphorylated tau is present as a cytosolic protein and PHF. Treatments related to tau pathology are under research. Tau phosphorylation inhibitors and Tau aggregation inhibitors tested in people with AD. In tau phosphorylation inhibitors, Lithium has multiple targets and inhibits GSK-3b, and in tau aggregation inhibitors, many drugs block aggregation of tau in cell-free conditions. Methylene blue has multiple targets; it slows disease progression. Tau pathology appears to be a primary cause of neurodegeneration in AD. Risk factors showed a relation between AD and Tau pathology clearly. Abnormal hyperphosphorylation of tau leads to AD, and truncated tau is the main finding in tau pathology. Tau phosphorylation inhibitors and Tau aggregation inhibitors are emerging treatments.

Keywords: Alzheimer's disease, Paired Helical Filaments, Neurofibrillary tangles, Tau pathology, Abnormal Hyperphosphorylation, Truncation, Conformation and Isoforms, Toxicity, Tau Phosphorylation Inhibitors and Tau Aggregation Inhibitors.

Introduction

Tau is the essential Microtubule-Associated proteins (MAP) in the neurons and acts as a three-dimensional "railroad tie" for the microtubule. Accumulation and Aggregation of the Tau is the pathogenesis of Alzheimer's disease. Phosphorylation of tau binds it to the microtubules and helps in maintaining the structure,

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stability of neurons¹. Accumulation of phosphate (Hyperphosphorylation) on the tau proteins cause "paired helical filaments" (PHFs) that accumulate and lead to the neurofibrillary tangles (NFTs)². PHFs are the main component in NFTs. Abnormally hyperphosphorylated, insoluble, and filamentous tau was the main component of Neurofibrillary Tangles^{3,4,5}. NFTs are neurological hallmark of AD⁶. It expressed in the central and peripheral nervous system and less amount observed in the kidney, lungs, and testis⁷. Abundantly seen in neuronal axons⁸. The human tau gene is located over 100 kb on the long arm of chromosome 17 at band position 17q21 and has 16 exons⁹. Tau divided into four regions: N-terminal Projection Region, a Proline-Rich Domain, a Microtubule-Binding Domain (MBD), a C-terminal region¹⁰. Tau can bind to outside and inside of microtubules by N- and C- terminal regions projecting outwards^{11,12}.