DNA ISOLATION FROM SWEAT STAIN IN CLOTHES AS FORENSIC IDENTIFICATION MATERIAL
(Ahmad Yudianto, Soekky Erfan Kusuma)

EFFECT OF LOW INTENSITY EXERCISE ON GLUCOSE INTOLERANCE
IN THE DEPO MEDROXYPROGESTERONE ACETATE (DMPA) INJECTED RAT
(Bambang Purwanto, Lilik Herawati, Harjanto JM)

THE ROLE OF CARE, SUPPORT AND TREATMENT TO BIOLOGICAL PARAMETERS
AND CLINICAL CHANGES OF PLWHA IN IDICU
(Nasrunudin)

THE EFFECT OF MELANIN CONCENTRATION ON COLLAGEN ACCUMULATION IN KELOID
(David S Perdanakusuma)

THE EFFECTS OF EXERCISE RESPONSE ON CREATINE KINASE IN WHITE WISTAR RATS
(Sugiharto, Olivia Andiiana)

NEW PARADIGM IN ORAL FOCAL INFECTION:
PERIODONTAL DISEASE AS AN ETIOLOGY OF MIGRAINE-ANXIETY RELATED DIZZINESS (MARD)
(Haryono Utomo, Markus Budi Rahardjo)

CLINICAL MANIFESTATION OF SYSTEMIC LUPUS ERYTHEMATOSUS MIMICKING TUBERCULOSIS
IN A 4 YEAR-OLD CHILD
(Nur Aisyah Wijaya, Aryananto Harsono)

STAPHYLOCOCCAL SCALDED SKIN SYNDROME IN A NEONATE
(Lyly Ekawati Candra, Fatimah Indarso, Ismoedijanto, Aryananto Harsono)

Review Article:
HAND DEFORMITIES IN RHEUMATOID ARTHRITIS
(Joewono Soeroso)

Review Article:
SCREENING AND MANAGEMENT OF RETINOPATHY OF PREMATURENESS
(Moestidjaj)

Review Article and Clinical Experience:
THYROID STORM: A LIFE-THREATENING THYROTOXICOSIS
Therapeutic Clinical Experiences with Formula TS 41668-24-6
(Askandar Tjokroprawiro)

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<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DNA Isolation From Sweat Stain in Clothes as Forensic Identification Material</td>
<td>205 - 208</td>
</tr>
<tr>
<td>2</td>
<td>Effect of Low Intensity Exercise on Glucose Intolerance in The Depo Medroxyprogesterone Acetate (DMPA) Injected Rat</td>
<td>209 - 212</td>
</tr>
<tr>
<td>3</td>
<td>The Role of Care, Support and Treatment to Biological Parameters and Clinical Changes of PLWHA in IDICU</td>
<td>213 - 217</td>
</tr>
<tr>
<td>4</td>
<td>The Effect of Melanin Concentration on Collagen Accumulation in Keloid</td>
<td>218 - 227</td>
</tr>
<tr>
<td>5</td>
<td>The Effects of Exercise Response on Creatine Kinase in White Wistar Rats</td>
<td>228 - 232</td>
</tr>
<tr>
<td>6</td>
<td><strong>New Paradigm in Oral Focal Infection: Periodontal Disease as An Etiology of Migraine-Anxiety Related Dizziness (MARD)</strong></td>
<td>233 - 239</td>
</tr>
<tr>
<td>7</td>
<td>Clinical Manifestation of Systemic Lupus Erythematosus Mimicking Tuberculosis in A 4 Year-Old Child</td>
<td>240 - 248</td>
</tr>
<tr>
<td>8</td>
<td>Case Report: Staphylococcal Scalded Skin Syndrome in A Neonate</td>
<td>249 - 255</td>
</tr>
<tr>
<td>9</td>
<td>Review Article: Hand Deformities in Rheumatoid Arthritis</td>
<td>256 - 263</td>
</tr>
<tr>
<td>10</td>
<td>Review Article: Screening and Management of Retinopathy of Prematurity</td>
<td>264 - 270</td>
</tr>
<tr>
<td>11</td>
<td>Review Article and Clinical Experience: THYROID STORM: A LIFE-THREATENING THYROTOXICOSIS Therapeutic Clinical Experiences with Formula TS 41668-24-6</td>
<td>271 - 276</td>
</tr>
</tbody>
</table>
New Paradigm in Oral Focal Infection: Periodontal Disease as An Etiology of Migraine-Anxiety Related Dizziness (MARD)

New Paradigm in Oral Focal Infection: Periodontal Disease as An Etiology of Migraine-Anxiety Related Dizziness (MARD)

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Abstract

Recently, two CNS disorders, migraine and anxiety, have been recognized as being commonly associated with dizziness. These associations may be an expression of an aetiological relationship, for example, dizziness caused by migraine, or dizziness caused by anxiety; alternatively, migraine or anxiety may influence the presentation of a balance disorder. For example, chronic dizziness may become more disabling during the added stress of a migraine headache or panic attack. In addition, dizziness occurs comorbidly with both migraine headache and anxiety disorders. Finally, there is increased comorbidity between anxiety and migraine. Thus, it is not surprising that some patients with dizziness may suffer from a combination of a balance disorder, migraine, and an anxiety disorder, a symptom complex was proposed to name migraine-anxiety related dizziness (MARD). There had been increasing numbers of literatures and evidence-based cases linking periodontal disease to several systemic diseases. Various mechanisms were proposed to explain the etiopathogenesis by which periodontal disease caused systemic diseases. However, systemic effects of periodontal disease that lead to several symptoms such as migraine, dizziness (vertigo) and other debilitating complaints are rarely discussed. The objective of this study is to propose the mechanism of periodontal disease involvement in the etiopathogenesis of MARD. Periodontal treatment which done to a patient suffered from symptoms mimicking MARD resulted in instant disappearing of most of the symptoms. Regarding to remarkable result, the conclusion is that periodontal disease could be a source of neurogenic and immunogenic inflammation which if not treated periodically could perpetuate symptoms mimicking MARD.

Keyword : oral, focal, infection, migraine-anxiety, related, dizziness, ,

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