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

EFFECT OF LOW INTENSITY EXERCISE ON GLUCOSE INTOLERANCE IN THE DEPO M EDROXYPROGESTERONE 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
(Nasronudin)

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 Andiana)

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, Ainyanto Harsono)

STAPHYLOCOCCAL SCALDED SKIN SYNDROME IN A NEONATE
(Lily Ekwati Candra, Fatimah Indarso, Ismoedijanto, Ainyanto Harsono)

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

Review Article: SCREENING AND MANAGEMENT OF RETINOPATHY OF PREMATURITY
(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>New Paradigm in Oral Focal Infection: Periodontal Disease as An Etiology of Migraine-Anxiety Related Dizziness (MARD)</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>
The Role of Care, Support and Treatment to Biological Parameters and Clinical Changes of PLWHA in IDICU

The Role of Care, Support and Treatment to Biological Parameters and Clinical Changes of PLWHA in IDICU

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Abstract

There have been many recent excellent reviews of the role of care, support and treatment (CST) factors in the onset and course of disease like HIV&AIDS infection. As knowledge of the underlying immunological mechanisms in HIV & AIDS is developed, more attention was directed at possible links between the immune system and psychosocial and biological influences, as well as the immune and central nervous system. This study was aimed to disclose the CST influences to biological parameters (CD4, total T lymphocytes) and clinical changes of HIV&AIDS patients. This study used observational design with panel study approach in IDICU. Fourteen HIV&AIDS infection patients taken by simple random sampling were enrolled in this research. Fourteen persons with a high risk of HIV infection non-reactive served as control. Three times examinations were done in this research. The first, when the patients had not known the HIV infection status in the first day of signing the informed consent, the second (day-7) they were are in acute stress condition after HIV infection diagnosis is informed, and the third (day-31), they were in chronic stress condition and acceptance of this disease. The result of this research was subjected to multivariate analysis. The result of the first examination reveal that CD4 declined both of the HIV infection and non HIV infection group, less than 1000 cells/mm3. The decline progressed faster in the HIV group. Second examination showed CD4 declined not only by stimulation of biological stress HIV to lymphocytes but also to other immune cells. The decline also progressed faster in HIV group. The result of the third examination revealed that CD4 decline progressed faster in the HIV than non-HIV group. It was found that lymphocyte count of both the HIV infection and non-HIV infection groups had no significant difference. Care, support and treatment can reduce stigma and other negative consequences of being HIV-positive and in this way make people less reluctant to seek HIV counseling and testing. In conclusion, CD4, total T lymphocytes and clinical performance are very unique on HIV/AIDS patients. CD4 decline is not always followed by the decline performance status. Associations of PLWH, peer group, family members, doctors, nurse, community support are a good example of community mechanisms that provide both of psychological and psychosocial support.

Keyword : CST, influence, biological, and, clinical, parameters, PLWHA,

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