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EFFECT OF Hsp70 EXPRESSION ON T-CD4+ LYMPHOCYTE APOPTOSIS IN HIV/AIDS INFECTION
(Nasronudin)

IFN-γ IN PERIPHERAL BLOOD MONONUCLEAR CELLS AND BRONCHOALVEOLAR LAVAGE PATIENTS
WITH PULMONARY TUBERCULOSIS BEFORE AND AFTER TREATMENT WITH ORAL ANTI-TUBERCULOSIS DRUGS
(JF Pollingan)

EFFECT OF CIGARETTE SMOKE EXPOSURE ON THE EXPRESSION OF MUTANT PS3 IN TRANSITIONAL CELLS
OF THE BLADDER
An Experimental Study on Rattus norvegicus
(Kristanto RDA, Sototojo, Soebadi DM)

EFFECT OF HIGH SALT (SODIUM CHLORIDE) INTAKE ON FRACTURE RISK IN MALE WHITE RATS
(Rattus norvegicus), An Experimental Laboratory Study
(Surarya Kusumo, Djoko Rosiho, Paulus Iliken)

VIBRIO CHOLERAE AND ITS TYING PROFILE
(Eddy Bagus Wiatso)

CHANGE OF IL-1 CONCENTRATION AND INTRACELLULAR CALCIUM (Ca++) AS AN INDICATOR OF INCREASED BITTER TASTE IN THYROID FEVER
(Jenny Sunarani, Umar Kesar)

ENRICHING COMMUNICATION BEHAVIOR CHANGE FRAMEWORK WITH RELIGIOUS ELEMENT TO
INCREASE COMPLIANCE IN TAKING ANTI-TUBERCULOUS DRUGS
(Tahian P Hutopo)

COGNITIVE FUNCTION DISORDER AS A REFLECTION OF IMMUNITY STATUS
IN PEOPLE LIVING WITH HIV/AIDS
(Margang M Marfasita, I Ammanto Yuwana, Danny Jeffry Rotinsulu)

LACTATE DEHYDROGENASE LEVEL AND THE RESPONSE OF NON HODGKIN LYMPHOMA PATIENTS
TO CHEMOTHERAPY CYCLOPHOSPHAMIDE DOXORUBICIN, VINCRISTINE, PREDNISONE (CHOP)
(Ugrioso, Muhaimid Ali, Bagaiwansone)

FIBULAR AUTOSTRUTGRAFT AS THE OPTIONAL TREATMENT OF THE FEMORAL NECK FRACTURES IN SURABAYA
(Achmad Sjarwani)

THE EXISTENCE OF A PEAK IN ADOLESCENT’S HEIGHT INCREMENTS
(MD Artaria, M Henneberg)

Review Article and Clinical Experience:
GRAVES’ DISEASE AND THYROID STORM: CLASSICAL AND NON-CLASSICAL
(From Formula G/O: P-39.5 120 & BW-Score to Formulas TS-41668 & CS-7.1.5)
(Askender 1)okroprawiro)

Review Article:
THE EFFECTS OF CHLAMYDIA TRACHOMATIS INFECTION
ON WOMEN’S REPRODUCTION SYSTEM
(Retieko J Setiabudi)

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# Table of Contents

<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>EFFECT OF Hsp70 EXPRESSION ON T-CD4+ LYMPHOCYTE APOPTOSIS IN HIV/AIDS INFECTION</td>
<td>132 - 137</td>
</tr>
<tr>
<td>2</td>
<td>IFN-γ IN PERIPHERAL BLOOD MONONUCLEAR CELLS AND BRONCHOALVEOLAR LAVAGE PATIENTS WITH PULMONARY TUBERCULOSIS BEFORE AND AFTER TREATMENT WITH ORAL ANTI-TUBERCULOSIS DRUGS</td>
<td>138 - 144</td>
</tr>
<tr>
<td>3</td>
<td>EFFECT OF CIGARETTE SMOKE EXPOSURE ON THE EXPRESSION OF MUTANT P53 IN TRANSITIONAL CELLS OF THE BLADDER An Experimental Study on Rattus norvegicus</td>
<td>145 - 149</td>
</tr>
<tr>
<td>4</td>
<td>EFFECT OF HIGH SALT (SODIUM CHLORIDE) INTAKE ON FRACTURE RISK IN MALE WHITE RATS (Rattus norvegicus) An Experimental Laboratory Study</td>
<td>150 - 156</td>
</tr>
<tr>
<td>5</td>
<td>VIBRIO CHOLERAE AND ITS TYPING PROFILE</td>
<td>157 - 159</td>
</tr>
<tr>
<td>6</td>
<td>CHANGE OF IL-1 CONCENTRATION AND INTRACELLULAR CALCIUM (CA2+ IC) AS AN INDICATOR OF INCREASED BITTER TASTE IN THYPOID FEVER</td>
<td>160 - 165</td>
</tr>
<tr>
<td>7</td>
<td>ENRICHING COMMUNICATION BEHAVIOR CHANGE FRAMEWORK WITH RELIGIOUS ELEMENT TO INCREASE COMPLIANCE IN TAKING ANTI-TUBERCULOUS DRUGS</td>
<td>166 - 176</td>
</tr>
<tr>
<td>8</td>
<td>COGNITIVE FUNCTION DISORDER AS A REFLECTION OF IMMUNITY STATUS IN PEOPLE LIVING WITH HIV/AIDS</td>
<td>177 - 183</td>
</tr>
<tr>
<td>9</td>
<td>LACTATE DEHYDROGENASE LEVEL AND THE RESPONSE OF NON HODGKIN LYMPHOMA PATIENTS TO CHEMOTHERAPY CYCLOPHOSPHAMIDE DOXORUBICIN, VINCRISTINE, PREDNISONE (CHOP) An Observational, Prospective, Cross-Sectional Study at the Department of Internal Medicine, Dr Soetomo Hospital, Surabaya</td>
<td>184 - 187</td>
</tr>
<tr>
<td>10</td>
<td>FIBULAR AUTOSTRUTGRAFT AS THE OPTIONAL TREATMENT OF THE FEMORAL NECK FRACTURES IN SURABAYA</td>
<td>188 - 195</td>
</tr>
<tr>
<td>11</td>
<td>The Existence of a Peak in Adolescent’s Height Increments</td>
<td>196 - 202</td>
</tr>
<tr>
<td>12</td>
<td>Review Article and Clinical Experience: GRAVES’s DISEASE AND THYROID STORM: CLASSICAL AND NON-CLASSICAL (From Formula G/O: P-39.5 â€“ 120 &amp; BW-Score to Formulas TS-41668 &amp; CS-7.1.5)</td>
<td>203 - 211</td>
</tr>
<tr>
<td>13</td>
<td>Review Article: THE EFFECTS OF CHLAMYDIA TRACHOMATIS INFECTION ON WOMEN’s REPRODUCTION SYSTEM</td>
<td>212 - 215</td>
</tr>
</tbody>
</table>
FIBULAR AUTOSTRUTGRAFT AS THE OPTIONAL TREATMENT OF THE FEMORAL NECK FRACTURES IN SURABAYA

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Abstract

Fractures of the femoral neck have always been a great challenge to orthopaedic surgeon. The main aim of the treatment is to retain the femoral head and to ensure that the hip is stable, painless, and mobile. Compression screw fixation with fibular autostrutgraft method give some evidence of reconstitution of the trabecular pattern, incorporation of the fibula into the femoral head proximal to the fracture line, and little or no progression of structural collapse after a sufficiently long period of follow-up. We measure Hip Score for the patients with femoral neck fractures after treated by open reduction, cancellous screw fixation and free fibular grafting. Hip Score including pain, range of hip movement, ability to work and leg length discrepancy. The results were classified as excellent, good, fair or poor. Anteroposterior and axial radiographs of the hip were also assessed and obliteration of the fracture site with trabecular bridging was taken as evidence of union. At the last 3 years we treat 15 patients with neglected femoral neck fracture by cancellous screw fixation and free fibular autostrutgraft construct. 9 patient is neglected fracture and the rest is fresh fractures. 10 patients were found to be united and the other was still in observation. For that 10 patients, we evaluate with Hip Score. Hip score was excellent in 6 patients, good in 3 patients, and poor in 1 patient. There are significance improvement of the union rate and hip function of the patients with femoral neck fracture that treated by compression screw fixation with fibular autostrutgraft method.

Keyword : Femoral, neck, fracture, fibular, autostrutgraft, hip, score,

Daftar Pustaka :