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TGF-1 AS THE TRIGGER OF PULP FIBROBLAST PROLIFERATION
(Sri Kurniati)

DIFFERENCE IN CYCLOOXYGENASE-2 (COX-2) EXPRESSION BETWEEN LOW AND HIGH GRADE PAPILLARY CARCINOMA IN HUMAN BLADDER CANCER
(Yulizar DR, Hartijowijoto S, Djatisoesoemo W, Soemarno T)

DETECTION OF CYTOKERATIN 19 MRNA IN BLOOD AS AN EARLY MARKER OF MICROMETASTATIC TUMOR CELLS OF NASOPHARYNGEAL CARCINOMA PATIENTS IN SURABAYA
(Harianto Notopuro, Widodo A Kertijojo, Retna Handajani, Francisca Notopuro)

PCR TECHNIQUE DETECTION OF CHLAMYDIA TRACHOMATIS DNA BAND USING SILVER NITRATE STAINING
(Rebekah J Setiabudi, Manik Retno W, Nurul Wiqoyan)

CHANGE OF CD4 COUNT, HSP70 AND ANTI-HSP70 LEVELS IN HIV PATIENTS
(Nastriudin)

HIV/AIDS PREVALENCE IN SURABAYA, INDONESIA
(Nastriudin, Yuyuk Siswawati, Atika)

TREATMENT RESPONSE AND ACUTE TOXICITY EVALUATION OF 70 GRAY RADIATION IN NASOPHARYNGEAL CARCINOMA PATIENTS IN DR SOETOMO HOSPITAL, SURABAYA
(Nyoman Satya, H. Sugianto Suwitodihardjo)

PHARMACODYNAMIC EFFECTS OF LIGUSTROSIDE GLYCOSIDE (A CNS ACTIVE SUBSTANCE) ISOLATED FROM FRAXINUS GRAFFITHII Clarke AGAINST CHEMICALLY INDUCED SEIZURES ON MICE
(Achmad Basuro)

MANAGEMENT OF ACUTE GLOMERULONEPHRITIS IN A CHILD WITH ISCHEMIC STROKE AND HYPERTENSIVE CRISIS
(Pratya Indra Gunawan, Nikik Asmaningsih Soemiarso, Muhammad Sjaifullah Noer, Darto Saharsa)

EFFICACY OF ORLISTAT PLUS DIET COMPARED TO DIET ALONE IN REDUCING BODY WEIGHT AND BODY MASS INDEX
(Hadiq Firdaus)

Review Article:
PATHOGENESIS OF REPEATED ABORTION IN POLYCYSTIC OVARIAN SYNDROME (PCOS)
(Arsanty Wiyasa IW)

Review Article:
PROTEIN CALORIE MALNUTRITION AND IMMUNE RESPONSE IN CHILDREN
(Roedi Irwan)

Review Article and Clinical Experience:
VARENCLINE (CHAMPIX®): A BREAKTHROUGH FOR SMOKING CESSATION TREATMENT
An α4β2 Nicotinic Acetylcholine Receptor Partial Agonist
(Askandar Tjiokoprawiro)

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<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TGF-β1 AS THE TRIGGER OF PULP FIBROBLAST PROLIFERATION</td>
<td>67 - 70</td>
</tr>
<tr>
<td>2</td>
<td>DIFFERENCE IN CYCLOOXYGENASE-2 (COX-2) EXPRESSION BETWEEN LOW AND HIGH GRADE PAPILLARY CARCINOMA IN HUMAN BLADDER CANCER</td>
<td>71 - 75</td>
</tr>
<tr>
<td>3</td>
<td>DETECTION OF CYTOKERATIN 19 MRNA IN BLOOD AS AN EARLY MARKER OF MICROMETASTATIC TUMOR CELLS OF NASOPHARYNGEAL CARCINOMA PATIENTS IN SURABAYA</td>
<td>76 - 81</td>
</tr>
<tr>
<td>4</td>
<td>PCR Technique Detection of Chlamydia Trachomatis DNA Band Using Silver Nitrate Staining</td>
<td>82 - 85</td>
</tr>
<tr>
<td>5</td>
<td>Change of Cd4 Count, Hsp70 and Anti-Hsp70 Levels in Hiv Patients</td>
<td>86 - 92</td>
</tr>
<tr>
<td>6</td>
<td>HIV/AIDS PREVALENCE IN SURABAYA, INDONESIA</td>
<td>93 - 97</td>
</tr>
<tr>
<td>7</td>
<td>Treatment Response and Acute Toxicity Evaluation of 70 Gray Radiation in Nasopharyngeal Carcinoma Patients in Dr Soetomo Hospital, Surabaya</td>
<td>98 - 101</td>
</tr>
<tr>
<td>8</td>
<td>Pharmacodynamic Effects of Ligustroside Glycoside (A Cns Active Substance) Isolated from Fraxinus Graffithii Clarke Against Chemically Induced Seizures on Mice</td>
<td>102 - 106</td>
</tr>
<tr>
<td>9</td>
<td>Management of Acute Glomerulonephritis in A Child with Ischemic Stroke and Hypertensive Crisis</td>
<td>107 - 110</td>
</tr>
<tr>
<td>10</td>
<td>Efficacy of Orlistat Plus Diet Compared to Diet Alone in Reducing Body Weight and Body Mass Index</td>
<td>111 - 114</td>
</tr>
<tr>
<td>11</td>
<td>Review Article: Pathogenesis of Repeated Abortion in Polycystic Ovarian Syndrome (Pcos)</td>
<td>115 - 118</td>
</tr>
<tr>
<td>12</td>
<td>Review Article: Protein Calorie Malnutrition and Immune Response in Children</td>
<td>119 - 126</td>
</tr>
<tr>
<td>13</td>
<td>Review Article and Clinical Experience: VARENICLINE (CHAMPIX®) : A BREAKTHROUGH FOR SMOKING CESSATION TREATMENT (An Î±4ß2 Nicotinic Acetylcholine Receptor Partial Agonist)</td>
<td>127 - 131</td>
</tr>
</tbody>
</table>
Management of Acute Glomerulonephritis in A Child with Ischemic Stroke and Hypertensive Crisis

Abstract

Acute glomerulonephritis refers to a specific set of renal diseases in which an immunologic mechanism triggers inflammation and proliferation of glomerular tissue. Some patients present with hypertensive emergency and cerebral involvement. It was uncommon case of ischemic stroke accompanied by acute glomerulonephritis. The patient was 8 year-old boy admitted to the hospital with the main complaint of unconsciousness. He had seizure and dark urine. Physical examination revealed blood pressure 160/120 mmHg, anisocor pupils and paresis. Urine examination showed proteinuria and urine sediment full of erythrocyte and white blood cells. ASTO titer 800 IU/ml and low level of C3. Head CT scan showed a wide embolic ischemic cerebral infarction in right fronto-temporo-parieto-occipital region that appropriate with right media cerebral artery and perifocal edema. He was treated with furosemide, nifedipin, manitol and dexamethasone. The condition improved with the treatment without decompressive trepanation. The patient was discharged in good condition.

Keyword : acute, glomerulonephritis, ischemic, stroke, hypertensive, crisis, clinical, signs, management, improved,

Daftar Pustaka :