MAGE-1 cDNA ISOLATION FROM TESTIS WITH RT PCR
(Gondo Mastutik et al.)

EFFECT OF FISH OIL ON BLOOD CHOLESTEROL LEVEL IN RATS FED WITH HYPERCHOLESTEROLEMIC DIET
(Tantiana)

CYTOLOGIC EXAMINATION USING SWAB METHOD TO EVALUATE RADIOLOGIC OUTCOME IN NASOPHARYNGEAL CARCINOMA PATIENTS POST-RADIOThERAPY
(OE Palandeng, Hoetomo, Widodo Arn Kantono)

ROLE OF ANTERIOR DECOMPRESSION IN CERVICAL SPONDYLOSIS MYELOPATHY: A REPORT OF 64 CASES
(Abdul Hafid Bajarmal)

CORRELATION BETWEEN NUTRITIONAL STATUS OF PREGNANT MOTHERS AND ATERM BIRTHWEIGHT IN DR SOETOMO HOSPITAL SURABAYA, 1992
(Marsanto)

PERSISTENT IMPAIRMENT OF CEREBRAL CORTICES DUE TO PROTEIN-ENERGY MALNUTRITION (PEM). Anatomical, Histological, and Physiological Perspectives
(Viskasari P Kalanjati)

ROLE OF SERUM NEURON SPECIFIC ENOLASE (NSE) TO DIFFERENTIATE ISCHEMIC STROKE FROM HEMORRHAGIC STROKE AND ITS CORRELATION WITH BRAIN DAMAGE VOLUME
(Dwi Lily Lukas, Endang Retnowati, Saiful Islam)

THE EFFECT OF LOW LEVEL LASER THERAPY IN CARPAL TUNNEL SYNDROME PATIENTS
(Bayu Saktioso, Reni Hendrarini Masduchi, Imam Subadi, Swan Jao)

METABOLIC SYNDROME IN PATIENTS WITH MITOCHONDRIAL DIABETES MELLITUS
(Angung Pranoto)

DECREASED HUMAN MILK IMMUNITY IN DOUBLE LIFE MOTHERS
(AA Subiyanto)

CONGENITAL MUSCULAR TORTICOLLIS WITH SHORTENING OF RIGHT STERNOCLEIDOMASTOID MUSCLE: A CASE REPORT
(Djohanjang Marzoeki, Ferdinand)

EFFECT OF ACANTHUS ILICIFOLIUS L EXTRACT ON THE REDUCTION OF TNF-alfa EXPRESSION IN WISTAR STRAIN RATTUS NORVEGICUS
(I Ketut Sudiana, Elyana S Asmar)

Review Article and Clinical Experience:
GRAVES' DISEASE AND THYROID STORM
ATD Therapy, Formulas TS - 41608, CS - 7.3.7
(Askendar Tjokroprawiro)
<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MAGE-1 cDNA ISOLATION FROM TESTIS WITH RT PCR</td>
<td>195 - 200</td>
</tr>
<tr>
<td>2</td>
<td>EFFECT OF FISH OIL ON BLOOD CHOLESTEROL LEVEL IN RATS FED WITH HYPERCHOLESTEROLEMIC DIET</td>
<td>201 - 203</td>
</tr>
<tr>
<td>3</td>
<td>CYTOLOGIC EXAMINATION USING SWAB METHOD TO EVALUATE RADIOLOGIC OUTCOME IN NASOPHARYNGEAL CARCINOMA PATIENTS POST-RADIOTHERAPY</td>
<td>204 - 209</td>
</tr>
<tr>
<td>4</td>
<td>ROLE OF ANTERIOR DECOMPRESSION IN CERVICAL SPONDYLOYSIS MYELOPATHY: A REPORT OF 64 CASES</td>
<td>210 - 216</td>
</tr>
<tr>
<td>5</td>
<td>CORRELATION BETWEEN NUTRITIONAL STATUS OF PREGNANT MOTHERS AND ATERM BIRTHWEIGHT IN DR SOETOMO HOSPITAL SURABAYA, 1992</td>
<td>217 - 225</td>
</tr>
<tr>
<td>6</td>
<td>PERSISTENT IMPAIRMENT OF CEREBRAL CORTICES DUE TO PROTEIN-ENERGY MALNUTRITION (PEM) Anatomical, Histological, and Physiological Perspectives</td>
<td>226 - 229</td>
</tr>
<tr>
<td>7</td>
<td>ROLE OF SERUM NEURON SPECIFIC ENOLASE (NSE) TO DIFFERENTIATE ISCHEMIC STROKE FROM HEMORRHAGIC STROKE AND ITS CORRELATION WITH BRAIN DAMAGE VOLUME</td>
<td>230 - 234</td>
</tr>
<tr>
<td>8</td>
<td>THE EFFECT OF LOW LEVEL LASER THERAPY IN CARPAL TUNNEL SYNDROME PATIENTS</td>
<td>235 - 245</td>
</tr>
<tr>
<td>9</td>
<td>METABOLIC SYNDROME IN PATIENTS WITH MITOCHONDRIAL DIABETES MELLITUS</td>
<td>246 - 254</td>
</tr>
<tr>
<td>10</td>
<td>DECREASED HUMAN MILK IMMUNITY IN DOUBLE LIFE MOTHERS</td>
<td>255 - 259</td>
</tr>
<tr>
<td>11</td>
<td>CONGENITAL MUSCULAR TORTICOLLIS WITH SHORTENING OF RIGHT STERNOCLEIDOMASTOID MUSCLE. A CASE REPORT</td>
<td>260 - 264</td>
</tr>
<tr>
<td>12</td>
<td>EFFECT OF ACANTHUS ILCIFOLIUS L EXTRACT ON THE REDUCTION OF TNF-Î± EXPRESSION IN WISTAR STRAIN RATTUS NORVEGICUS</td>
<td>265 - 267</td>
</tr>
<tr>
<td>13</td>
<td>Review Article and Clinical Experience: GRAVESâ€™ DISEASE AND THYROID STORM ATD Therapy, Formulas TS â€“ 41668, CS â€“ 7.3.7</td>
<td>268 - 275</td>
</tr>
</tbody>
</table>
EFFECT OF FISH OIL ON BLOOD CHOLESTEROL LEVEL IN RATS FED WITH HYPERCHOLESTEROLEMIC DIET

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Abstract

The effect of dietary fish oil on serum cholesterol level of 26 three month old male wistar rats, after feeding with hypercholesterolemic diet for 4 weeks was studied. The rats were divided into two groups, i.e. control group with hypercholesterolemic diet (10% w.w laid) and treatment group (10%) as a substitute laid, while food and water being provided freely (ad libitum). The duration of treatment was 4 weeks. After treatment was accomplished, serum total cholesterol level was measured, and the acquired data were statistically analyzed by T-test. The result of this study showed that there were significant differences in serum total cholesterol between control and treatment group. Serum total cholesterol level of treatment group was significantly lower than that in control group, and there was also no significant difference in body weights between both groups before and after treatment.

Keyword : dietary, fish, oil, cholesterol, level, hypercholesterolemic, diet,

Daftar Pustaka :