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

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

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

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

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

HIV/AIDS PREVALENCE IN SURABAYA, INDONESIA
(Nasronudin, Yuyuk Susiwatari, Alika)

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

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

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

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

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

Review Article:
PROTEIN CALORIE MALNUTRITION AND IMMUNE RESPONSE IN CHILDREN
(Roodi Irawan)

Review Article and Clinical Experience:
VARENICLINE (CHAMPIX®) : A BREAKTHROUGH FOR SMOKING CESSATION TREATMENT
An α4β2 Nicotinic Acetylcholine Receptor Partial Agonist
(Askandar Tjokroprawiro)
<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 ï¿½4Â¿2 Nicotinic Acetylcholine Receptor Partial Agonist)</td>
<td>127 - 131</td>
</tr>
</tbody>
</table>
PCR Technique Detection of Chlamydia Trachomatis DNA Band Using Silver Nitrate Staining

Abstract

Chlamydia trachomatis genital infection is one of the Sexually Transmitted Diseases that can cause cervicitis, salphingitis, ectopic pregnancy, infertility, chronic pelvic pain and pelvic inflammatory disease (PID) in women and epididymitis and non gonococcal urethritis (NGU) in men. The prevalence of this infection is 7.9% in women and 7.6% in men overall. The problem is that 70% of this infection in women and 50% in men are asymptomatic and can only be detected through accurate screening test. The nucleotide amplification using PCR technique could be used to amplify one DNA or RNA molecule of the microbe specific gene region that may increase the sensitivity and specificity to detect Chlamydia trachomatis in the "first-catch urine". The aim of this research was to study the accuracy (sensitivity and specificity) of the PCR with Silver Nitrate staining method in comparison to the commercial PCR (Amplicor, Roche) as a standard method. The result was no significant difference (p < 0.05) found in accuracy between PCR Silver Nitrate staining and PCR Amplicor; the sensitivity of PCR Silver Nitrate staining was 85.7% and the specificity was 100%, to detect Chlamydia trachomatis in the "first-catch urine".

Keyword : Chlamydia, trachomatis, urine, PCR, silver, nitrate, screening, test,

Daftar Pustaka :