TOXOPLASMA GONDII INFECTION ELICITS THE INCREASE OF FAS EXPRESSION ON THE TROPHOBLAST ASSOCIATED WITH THE INCREASE OF TROPHOBLAST APOPTOSIS
(Lucia Trl Suwandy, Rachman Ssemita, Suhartono Teet Putra)

EFFECT OF LASER AT PISHU POINT ON AMOUNT AND FUNCTION OF PANCREATIC B CELLS
(RATTUS NORVEGICUS) INJECTED BY STREPTOZOTOCIN
(Abdurechman)

THE EFFECTS OF UNILATERAL URETHRAL OBSTRUCTION ON TUBULAR CELLS APOPTOSIS.
AN EXPERIMENTAL STUDY IN RABBITS
(Daryanto B, Soebadi DM, Soetjojo, Suryono Hardjowijoto)

ANTIMICROBIAL ACTIVITIES OF ANDROGRAPHOLIDE AND PROPOLIS AGAINST INTRACELLULAR MYCOBACTERIUM TUBERCULOSIS PHAGOCYTED BY MONOCYTES DERIVED MACROPHAGES
(Menrik R Widyasari, Ni Made Mertaniash, Dian Rechmawati)

THE 2-METHOXYETHANOL TOXICITY TOWARDS THE STRUCTURES OF PLASMA MEMBRANE AND MITOCHONDRIA OF THE RAT'S SPERMATOZOA
(Afifan Hayati, Soesanto Managkeningko, Aucky Hingin, Sukartti Moeljopawiro)

GENOTYPING OF EXTENDED SPECTRUM B-LACTAMASE ESCHERICHIA COLI STRAINS FROM CLINICAL SPECIMENS
(Ni Made Mertaniash et al)

MULTIRESISTANCE PATTERN OF EXTENDED SPECTRUM B-LACTAMASE (ESBL) - ESCHERICHIA COLI AND KLEBSIELLA PNEUMONIAE STRAINS
(Kurnia, Ni Made Mertaniash, and Usman Hadi)

FEV1- REVERSIBILITY IN HOUSE-DUST IMMUNOTHERAPY COMPARED WITH INHALED CORTICOSTEROID IN THE TREATMENT OF CHILDHOOD ASTHMA
(Arijanto Hersono, Lisa A. Subrete, Aneng Enderyanto)

TRACHOMA IN PONDOK PESANTREN SALAPIYAH SYAPIYAH, SUKOREJO, SITUBONDO, EAST JAVA. A CASE STUDY
(Sjamsu Budiono)

Review Article:
DEPRESSION IN POST-MYOCARDIAL INFARCTION PATIENTS
(Muhammad Ridwan)

Review Article and Clinical Experience:
THE MetS: ONE OF THE MAJOR THREAT TO HUMAN HEALTH
(Askendar Tjoekrepaewiro)
<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Toxoplasma Gondii Infection Elicits The Increase of Fas Expression on The Trophoblast Associated with The Increase of Trophoblast Apoptosis</td>
<td>1 - 5</td>
</tr>
<tr>
<td>2</td>
<td>EFFECT OF LASER AT PISHU POINT ON AMOUNT AND FUNCTION OF PANCREATIC Î² CELLS (RATTUS NORVEGICUS) INJECTED BY STREPTOZOTOCIN</td>
<td>6 - 14</td>
</tr>
<tr>
<td>3</td>
<td>The Effects of Unilateral Urethral Obstruction on Tubular Cells Apoptosis:An Experimental Study in Rabbits</td>
<td>15 - 21</td>
</tr>
<tr>
<td>4</td>
<td>Antimicrobial Activities of Andrographolide and Propolis Against Intracellular Mycobacterium Tuberculosis Phagocytosed by Monocytes Derived Macrophages</td>
<td>22 - 27</td>
</tr>
<tr>
<td>5</td>
<td>The 2-Methoxyethanol Toxicity Towards The Structures of Plasma Membrane and Mitochondria of The Ratâ€™s Spermatozoa</td>
<td>28 - 32</td>
</tr>
<tr>
<td>6</td>
<td>Genotyping of Extended Spectrum Î¹-Lactamase Escherichia Coli Strains from Clinical Specimens</td>
<td>33 - 39</td>
</tr>
<tr>
<td>7</td>
<td>MULTIRESISTANCE PATTERN OF EXTENDED SPECTRUM Î³-LACTAMASE (ESBL) â€“ ESCHERICHIA COLI AND KLEBSIELLA PNEMONIAE STRAINS</td>
<td>40 - 46</td>
</tr>
<tr>
<td>8</td>
<td>FEV1-Reversibility in House-Dust Immunotherapy Compared with Inhaled Corticosteroid in The Treatment of Childhood Asthma</td>
<td>47 - 53</td>
</tr>
<tr>
<td>9</td>
<td>Trachoma in Pondok Pesantren Salafiyyah Syafiyyah, Sukorejo, Situbondo, East Java. A Case Study</td>
<td>54 - 61</td>
</tr>
<tr>
<td>10</td>
<td>Review Article : Depression in Post-Myocardial Infarction Patients</td>
<td>62 - 70</td>
</tr>
<tr>
<td>11</td>
<td>Review Article and Clinical Experience: THE MetS: ONE OF THE MAJOR THREAT TO HUMAN HEALTH</td>
<td>71 - 76</td>
</tr>
</tbody>
</table>
Genotyping of Extended Spectrum ß-Lactamase Escherichia Coli Strains from Clinical Specimens

Abstract

The aim of the present study were to determine the incidence and origin of acquisition of ESBL-producing Escherichia coli strains isolated from Dr. Soetomo university hospital and to delineate the clonal diversity and transmission patterns of these strains by comparing results of genome macro restriction analysis – Pulsed Field Gel Electrophoresis (PFGE). The respective values of the genomic typing methods for epidemiologic typing of Escherichia coli were evaluated in more detail. Clinical specimens as the previous prevalence study of ESBL-E. coli and Klebsiella pneumoniae strains during January 2005 till April 2005 have identified 88 ESBL-E. coli strains of 330 E. coli that identified using standard method-NCCLS and DD synergy test. Banding patterns were PFGE (Certified, Bio Red, CHEF DR II) analyzed using manually read by 3 observers; and strains were defined as having PFGE genotype with ≥ 85 % similarity or no more than 2 band differences. Many strains of 88 members of ESBL-E.coli strains were multi various genotype on PFGE typing; on the other, some strains have the clonal genes, that have identical genotype or identical banding pattern. The clonal spreading of ESBL &ndash; Escherichia coli strains had detected event among the wards i.e. Surgery, Pediatry, Internal medicine and Obstetric Gynecology. Appropriate conduct on standard precaution procedures needs reinforcement, possible environmental reservoirs need elimination, and antibiotics policies need reconsideration.

Keyword : Escherichia, coli, genotyping, Extended, Spectrum, ß-Lactamase, PFGE,

Daftar Pustaka :
Detection of this Important Resistance Threat. no info : Clinical Microbiol


23. MB Avison, (2004). Evolutionary mapping of the SHV beta-Lactamase and evidence for two separate IS26-dependent blashv mobilization events from the Klebsiella pneumoniae chromosome. no info : J. Antimicrob Chemo


41. **A van Belkum, (2003)**. Patterns of Resistance Associated with Integrons, the Extended-Spectrum beta-Lactamase SHV-5 Gene, and a Multidrug Efflux Pump of Klebsiella pneumoniae Causing a Nosocomial Outbreak. no info : J Clin. Microbiol

42. **H Verbrugh, (2003)**. Patterns of Resistance Associated with Integrons, the Extended-Spectrum beta-Lactamase SHV-5 Gene, and a Multidrug Efflux Pump of Klebsiella pneumoniae Causing a Nosocomial Outbreak. no info : J Clin. Microbiol