# The Thai Journal of Veterinary Medicine

## Vol. 40 No. 3 September 2010

### Contents

**Editor’s Note**  
Forensic Veterinary Medicine  
Nantarika Chansue  

**Original Article**  

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relationship between Seminal and Serum Calcium Concentration with Semen Quality in the Asian Elephant (<em>Elephas maximus</em>)</td>
<td>251</td>
</tr>
<tr>
<td>Comparative Study on Six Different Long Term Commercial Extenders for Fresh Boar Semen</td>
<td>257</td>
</tr>
<tr>
<td>Establishment of Porcine Embryonic Stem-like Cells from Parthenogenetic and in vivo Derived Embryos</td>
<td>273</td>
</tr>
<tr>
<td>Chronic Mastitis in Small Dairy Cattle Herds in Muang Khon Kaen</td>
<td>265</td>
</tr>
<tr>
<td>Evaluation of Serum NT-proBNP Levels in Dogs with Respiratory Distress Associated with Heart disease and Respiratory Disease</td>
<td>289</td>
</tr>
<tr>
<td>Comparison of the Efficacy of Enrofloxacin Against <em>Escherichia coli</em> or <em>Pasteurella multocida</em> Infection in Chickens</td>
<td>297</td>
</tr>
</tbody>
</table>

**Mutation Site in Chicken**  
De Qin Luan, Guo Bin Chang, Zhong Wei Sheng, Yan Liu, Guo Hong Chen  
Prevalence of the Cellular and Molecular Antimicrobial Resistance against *E. coli* Isolated from Thai Broilers  
Sarawoot Mooljuntee, Piyarat Chansiripornchai, Niwat Chansiripornchai  
Blood Pressure, Urinary Protein Creatinine Ratio and Oxidative Stress in Dogs with Urolithiasis  
Supa Sitanukul, Poramin Shapatmanas, Vimolpa Hirunpradith, Winnai Chansaisakorn, Monkong Trisirirojr, Siripon Komolvanich, Saikawat Satayatham, Chollada Buraikanl

**Short Communication**  
Morphological, Cytochemical and Ultrastructural Studies of Blood Cells in Irrawaddy River Dolphin (*Orcaella brevirostris*): A Case Study  
Somporn Techangamswan, Supradit Wangnualthum, Jariya Sutanonpaloon, Nantarika Chansue, Achariya Sailasuta  
Detection of Necrotizing Hepatopancreatitis (NHP) in Wild Shrimp from Laguna Madre, Mexico by a Multiplex Polymerase Chain Reaction  
Gabriel Aguirre-Guzman, Jesus Genaro, Sanchez-Martinez Roberto, Perez-Castañeda, Rafael Orta-Rodriguez  
Isolation of Actinobacillus pleuropneumoniae Serotype 15-like Strain from a Porcine Tonsil in Thailand: A Case Report  
Walaiporn Tonpitak

**Diagnostic Forum**  
ECG Quiz  
Chollada Buraikanl, Winnai Chansaisakorn  
Ophthalmology Snapshot  
Nalinee Tuntivathanich  
Ultrasound Diagnosis  
Phiwipha Kamonrat  
What is your Diagnosis  
Prane Tuntivathanich, Suwicha Chuthatep