Overview of International Transport of Cattle & Water buffalo

Animal Welfare
International Live Cattle Trade

This trade will persist where there is a shortfall in meat supply and there is limited refrigerated storage and transport

- Australia & Indonesia
- South Asia
- Southeast Asia
- East Africa & Middle East
- Brazil & Lebanon
Skin opening methods

Reciprocating cuts  Single sweep  Chop
Problems identified in the recent ‘4 Corners’ Television program

• rough casting methods
• beating cattle unnecessarily
• many cuts made in the neck
• some animals get up after the cuts and walk about the premises
India & Bangladesh
% of animals with injuries at Bangladeshi Markets

<table>
<thead>
<tr>
<th>TYPE of INJURY</th>
<th>Cattle (368)</th>
<th>Water buffalo (192)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrasions</td>
<td>62</td>
<td>95</td>
</tr>
<tr>
<td>Lacerations</td>
<td>32</td>
<td>57</td>
</tr>
<tr>
<td>Swellings</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>Penetration injuries</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Scars</td>
<td>60</td>
<td>32</td>
</tr>
</tbody>
</table>
### % animals showing dehydration or metabolic depletion

<table>
<thead>
<tr>
<th>Blood parameter</th>
<th>Species</th>
<th>% abnormally high</th>
<th>% normal</th>
<th>% abnormally low</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total protein g/L</td>
<td>Cattle</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Buffalo</td>
<td>97</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Sodium mmol/L</td>
<td>Cattle</td>
<td>69</td>
<td>24</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Buffalo</td>
<td>76</td>
<td>19</td>
<td>5</td>
</tr>
<tr>
<td>Creatine kinase U/L</td>
<td>Cattle</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Buffalo</td>
<td>98</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>NEFA μmol/L</td>
<td>Cattle</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Buffalo</td>
<td>84</td>
<td>16</td>
<td>0</td>
</tr>
<tr>
<td>Glucose mmol/L</td>
<td>Cattle</td>
<td>86</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Buffalo</td>
<td>89</td>
<td>11</td>
<td>0</td>
</tr>
</tbody>
</table>
Indochina
Livestock export numbers from Somalia 1997-2007 (Glipha)

- **Number of animals**
  - Y-axis: 0, 500,000, 1,000,000, 1,500,000, 2,000,000, 2,500,000, 3,000,000

- **Graph lines**:
  - Cattle
  - Sheep
  - Goats
  - Camels

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**CATTLE**

- **Destination table**

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**SHEEP & GOATS**

- **Destination table**
Conclusions

• dehydration and heat stress
• metabolic depletion
• sleep deprivation during long journeys
• bruising, abrasions and other injuries
• stressful handling methods
• slaughter methods
Questions relevant to the Horn of Africa – Middle East Trade

• journey distance
• seasonality of the trade and heat exposure
• injuries during transport (esp. feet and legs)
• inappropriate handling methods
• is halal slaughter performed well
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Ethics

Is it Fair?
Is it Necessary?
Are there Alternatives?