Evaluation - - Toxicity
11. Intravenous toxicity test of Apamarg Injections in farm rabbits.

12. Ear vein of rabbit showing acute inflammation at the site of an injection desired effect.
STUDY OF TOXICOLOGICAL EFFECT AND INFLAMMATORY RESPONSE OF
APAMARG KSHAR (INJECTION) IN ALBINO RATS BY SUBCUTANOUS ROUTE

<table>
<thead>
<tr>
<th>Date</th>
<th>Inj. Apamarga</th>
<th>Rat 1</th>
<th>Rat 2</th>
<th>Local/ Others</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>in g.</td>
<td>in g</td>
<td>Effects</td>
</tr>
</tbody>
</table>

25/10/91  4 ml*  220  240  (1) Nil/Nil  Food Intake Good

4 ml D.W.  (2) Nil/Nil  Food Intake Good

26/10/91  --  220  240  (1) Slight  Food intake
Swelling  reduced +
Irritable

(2) No swelling  Food intake
Not irritable  good

27/10/91  --  210  240  (1) Inflammed  Food intake
Irritable  reduced ++

(2) Non irritable  Food
Non inflammed  intake good
STUDY OF TOXICOLOGICAL EFFECT AND INFLAMMATORY RESPONSE OF APAMARG KSHAR (INJECTION) IN ALBINO RATS BY SUBCUTANOUS ROUTE

<table>
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<tr>
<th>Date</th>
<th>Inj. Apamarga</th>
<th>Rat 1 Wts.</th>
<th>Rat 2 Wts.</th>
<th>Local/ Systemic</th>
<th>Others Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>28/10/91</td>
<td>--</td>
<td>200</td>
<td>240</td>
<td>(1) Inflamed</td>
<td>Food intake</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Irritable</td>
<td>reduced ++</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2) Non irritable</td>
<td>Food</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Non inflammed</td>
<td>intake good</td>
</tr>
<tr>
<td>29/10/91</td>
<td>--</td>
<td>190</td>
<td>240</td>
<td>(1) Dry skin</td>
<td>Food intake</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Irritability</td>
<td>improved +</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>reduced</td>
<td></td>
</tr>
</tbody>
</table>
On the seventh day No 1 rat was killed and specimens taken away for haematological and histopathological studies. Specimens are Blood, skin, Liver, Kidney, Spleen, Heart, and brain.

The hematological study performed at Government Ayurved College and Hospital Laboratory and others specimens histopathological

22. View of Histopathological slide of skeletal muscles.
23. View of Histopathological slide of Liver

24. View of Histopathological slide of Kidney
25. View of Histopathological slide of Brain

26. View of Histopathological slide of Heart
HISTO PATHOLOGICAL EXAMINATION REPORT:

A - Liver Section from a Rabbit.

B - Kidney - " -

C - Kidney - " -

D - Heart - " -

E - Muscle - " -

F - Liver - " -

G - Skin - " -

H - Brain - " -

All above section shows no specific Pathological Changes.

Date: 21/04/1993.

Signature of Pathologist,

sd/-

Prof. and Head of the Dept.,

Histo Pathology & Microbiology-
Govt. Medical College, Nanded.

***
All the slides did not show any abnormality except skin report showed inflammatory reaction.

Conclusion: The injection of Apamarg Kshaar produces local sterile inflammatory changes.

The systemic effects of local injections of Apamarga Kshaar on the important vital organs is Nil when the quantity of injection was 200 mg in 4 ml injected.