

Rodenticides poisoning

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Toxicology meeting 7/2014

Case presentation

- Male /60
- Depressed mood for 3+ years
- Financial/family problem.
- Bought rat poison powder from a seeds company in Yuen Long
- Attempted suicide by taking all (about ½ lb) powder ~ 10pm on 28/3/2014

- Presented on 30/3/2014 at 09:00
- No vomiting/abd pain
- No chest pain/SOB
- Passed Greenish loose stool X 1

What is rat poison (老鼠藥)?



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不限時間

一天內

一星期內

買老鼠藥地方



搜尋

[香港邊d地方有得賣老鼠藥 - Yahoo!知識+](#)

hk.knowledge.yahoo.com/question/question?qid=7009040701529 網頁紀錄 - 更多

買老鼠藥地方相關知識

香港邊d地方有得賣老鼠藥 發問者: fabregas0617 (小學級 5 級) 發問時間: 2009-04-07 20:00:12 解決時間 ... 唔好買老鼠藥,你想毒狗呀???而對小朋友都危險,只要你call衛生處佢會派人來做,請不要自己來.

[\[問題\] 哪裡可以買老鼠藥??? - 看板 LA - 批踢踢實業坊](#)

www.ptt.cc/bbs/LA/M.1246426338.A.088.html 網頁紀錄 - 更多此站結果

作者 hohodiy (hohoho~) 看板 LA 標題 [問題] 哪裡可以買老鼠藥??? 時間 Wed Jul 1 13:32:17 2009 請問各位~ 哪裡可以買毒老鼠藥??? 或者驅鼠藥品!!! 問了好多地方~還有99~ 還是沒找到耶! 老鼠天天晚上開趴,快被吵死了!!!! 感謝大家囉!!!* 發信站: 批踢踢實業坊 (ptt.cc)

[買老鼠藥地方, 老鼠藥成份, 老鼠藥牌子商業情報資訊搜尋](#)

www.hkpage.org/買老鼠藥地方.html 網頁紀錄 - 更多此站結果

買老鼠藥地方相關商業資訊, 收羅買老鼠藥地方、老鼠藥成份、老鼠藥牌子、老鼠藥 poison、食左老鼠藥有關的資訊。 ... 我屋企 2 隻狗 + 花園 有虱同埋牛碑!!! 我屋企 2 隻狗 + 花園有很多 虱同埋牛碑!!!唔知怎樣殺死....虱同埋牛碑!!!狗可以買什麼藥水殺死 ...

Rodenticides

- Products marketed to kill rodents, mice, squirrels etc
- Warfarin/Superwarfarin (registered in HK)
- 1st generation: Warfarin, coumatetralyl, chlorophacinone
- 2nd generation: bromadiolone, brodifacoum, difethialone,



Warfarin/Superwarfarin

- Inhibit generation of Vitamin K1 (Factors II, VII, IX, X)
- Delayed anticoagulation effect (pre-existing factors consumption)
- Onset ~ 24-36 hrs after ingestion
- Warfarin Half life 35 hrs to 5 days
- Superwarfarin: lipid soluble, concentrated in liver, 100 times more potent, effect last for weeks to months

Clinical features

- Usually no effect (low dose)
- GI symptoms
- Massive/chronic overdose: Bleeding

Investigation

- Prolonged PT
- Check baseline, 48-72 hrs PT
- Check every 6-12 hrs if prolonged
- APTT could also be prolonged

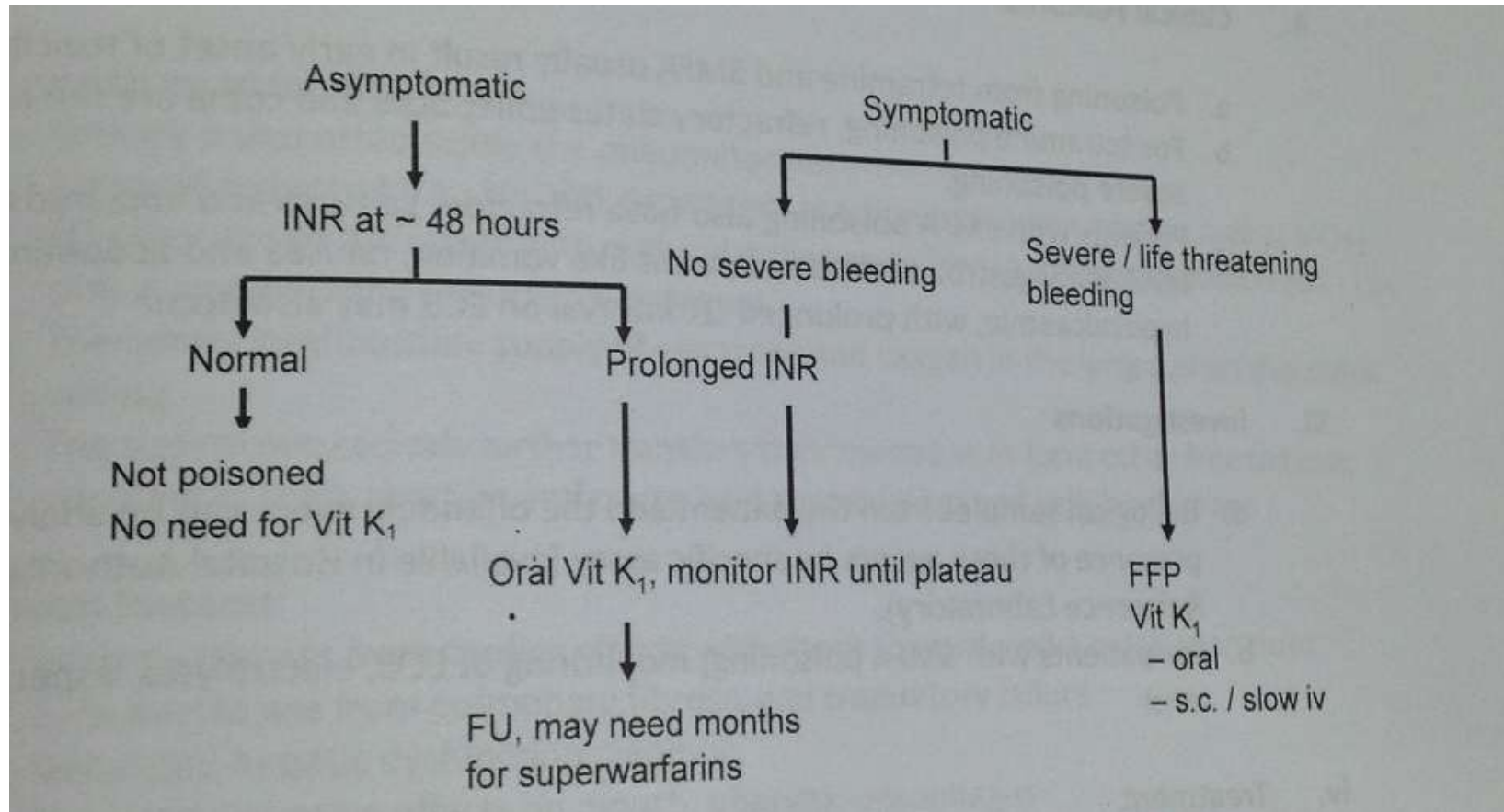
Management

- Prophylactic vitamin K1 not indicated unless clinical bleeding
 - Coagulopathy doesn't occur immediately
 - May affect interpretation of lab results
 - Especially superwarfarin
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- Activated Charcoal

Vitamin K1

- ≠ Vitamin K (acetomenaphthine)
- Oral route preferred (anaphylaxis)
- For superwarfarin overdose:
 1. Consider higher Vitamin K1 dose (100mg/day, tds or QID)
 2. Prolonged treatment required
 3. Endpoint: PT normal for 48 hours after cessation of therapy or guide by superwarfarin level.

Treatment Summary



Back to our case

- Presented ~ 36 hours after ingestion
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Collect Date :	30/03/14	31/03/14	31/03/14	01/04/14	02/04/14		
Collect Time :	10:42	05:16	18:49	15:18	09:50		
Request No. :	H0891132	H0900812	H0902396	H0912024	H0920529	Ref. Range	Units

Coagulation							
PT	31.1 H	57.5 H	28.1 H	13.4	10.8 L	11.3 - 13.5	seconds
INR (*)	2.8	5.2	2.6	1.3	1.0		
APTT	33.4	36.9 H	37.8 H	31.7	31.2	25.9 - 33.7	seconds

Managment

- Oral Vit K1 15mg BD given at 8am on 31/3/2014
- No bleeding noted
- Stepped down
- Urine: warfarin metabolites
- Taken over to psychiatry on 1/4/2014
- Discharged on 16/4/2014

Summary

- Rat poison acts by inhibiting the generation of Vitamin K1
- Usually minimal clinical effect, profuse bleeding in massive/chronic intake
- Prolongation of PT/INR usually delayed
- Effect of superwarfarin could last for months
- Avoid prophylactic use of Vitamin K1