



COLORADO STATE UNIVERSITY
EXTENSION

Activity #9

Injection Site Lesion

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GPP(s): 5

Group Size: 20-25

Length of Activity: 15- 20 min

Background:

Administering medication correctly is imperative in order to prevent lesions and abscesses in a meat product. Product discounts can be prevented by following simple steps to ensure injections are performed correctly.

Objectives:

- Provide an opportunity for youth 4-H members to understand the importance of correct administration of medications.
- Explain the results of incorrect medication application and what that means for the different aspects of the livestock industry.

Materials and Supplies:

- Syringes of all different sizes (one per person)
- Knife (one per person)
- Plain cupcakes (one per person)
- Frosting (one jar per group)
- Plates (one per person)

Activity Description:

Preparation:

- Purchase or bake cupcakes, frosting and materials ahead of time.

Activity:

- Explain to the members that there are several simple steps that need to be taken to ensure proper injections. They are:
 - Using the appropriate size needle
 - Providing proper restraint
 - Purchasing high quality needles to make sure they do not bend or break
 - Give injections according to medication label
 - Find medication that can be administered avoiding intramuscular injections (IM)
 - If you have to administer IM injections, do it 10cc at a time. Properly space injections sites apart
 - Make sure injection site is cleaned properly before and after injections.
- Handout cupcakes, syringes, plates and plastic knives to members.
- Have each member put frosting into their syringe and inject a small amount into the cupcake.
- Next, each member should cut their cupcake in half to show the “lesion” caused by the injection
- Discuss how the different sized syringes and caused different size lesions.
- You can supplement this activity by showing pictures of actual abscesses and lesions in meat products.

Discussion

If this cupcake were a piece of meat, would you want to eat this? Why or Why not?

What affect could this have on meat prices, consumer preference, the retailer/grocer, restaurants?