



Inspection Report

University Of Illinois At Urbana-Champaign
1 Observatory Building
901 S. Mathews
Urbana, IL 61801

Customer ID: 603

Certificate: 33-R-0029

Site: 001

UNIV. OF ILLINOIS - URBANA-CHAMPAIGN

Type: ROUTINE INSPECTION

Date: 03-AUG-2015

2.31(d)(1)(9)

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

Following an invasive surgical teaching laboratory, five out of six cows developed post-operative peritonitis; four were euthanized and one died. The following issues were noted:

- This was a major surgical procedure conducted in a prep area not a surgical suite.
- Post-operative care was inadequate.

The protocol allows the cows to be returned to the farm the day after surgery, or the following day. While these cows stayed at the VM hospital for 3 days post-surgery, it is unclear how closely they were observed once they were returned to the farm. At the farm, the Animal Caretakers are the people performing the daily observation. There are only 2 caretakers at the farm, and they are responsible for feeding, cleaning, observing all animals at the farm (horses, cows, sheep), maintenance of the buildings/fences, and all pasture maintenance. Their time for observation is limited and not adequate for animals recovering from a major surgery.

Performing a major surgical procedure in a prep area (not a dedicated surgical suite) and the lack of adequate daily monitoring and observation when the cows returned to the farm may have contributed to the post-operative complications and death of the animals.

Major operative procedures must be conducted in facilities intended for that purpose and those facilities must be operated and maintained under aseptic conditions. Animals post-surgery must be properly monitored and observed to detect and treat or prevent any complications.

To be corrected from this day forward.

2.32(c)(1)(4)

PERSONNEL QUALIFICATIONS.

At some point in a major surgical procedure, five out of six student groups breached aseptic techniques. This was demonstrated by the fact that five of the cows developed post-operative peritonitis; 4 cows had to be euthanized and one died. The students must be carefully trained in aseptic surgical methods and procedures. At this

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procedure, there were 5 instructors; 3 veterinarians, with one not scrubbing in but coming through and observing the student group actions, and 2 technicians, for 6 student groups. There must be enough qualified personnel to adequately monitor the students and to ensure that the students are using aseptic techniques.

To be corrected from this day forward.

The institution recognized that there were errors in surgical technique and post-operative monitoring. The IACUC has thoroughly reviewed the incident and suspended the protocol pending protocol changes.

Exit interview conducted with facility representatives.

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Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
603	33-R-0029	001	UNIV. OF ILLINOIS - URBANA-CHAMPAIGN	03-AUG-15

Count	Scientific Name	Common Name
000016	<i>Bos taurus</i>	CATTLE / COW / OX / WATUSI
000001	<i>Canis lupus familiaris</i>	DOG ADULT
000012	<i>Capra hircus</i>	DOMESTIC GOAT
000013	<i>Equus caballus</i>	DOMESTIC HORSE
000019	<i>Felis silvestris catus</i>	CAT ADULT
000001	<i>Lama glama</i>	LLAMA
000075	<i>Monodelphis domestica</i>	GREY SHORT-TAILED OPOSSUM
000004	<i>Oryctolagus cuniculus</i>	EUROPEAN RABBIT
000025	<i>Ovis aries aries</i>	SHEEP INCLUDING ALL DOMESTIC BREEDS
000025	<i>Peromyscus leucopus</i>	WHITE-FOOTED MOUSE
000086	<i>Sus scrofa domestica</i>	DOMESTIC PIG / POTBELLY PIG / MICRO PIG
000277	Total	