

Description of Procedure:

Walking patterns or gait abnormalities can be evaluated by performing a foot placement analysis.

Supplies:

- 18 inch narrow plastic corridor
- Nontoxic watercolor based paint
- White paper
- Cardboard

Procedure Steps:

1. The hind paws of the mouse are dipped in watercolor paint.
2. The animal then walks on white paper within a narrow plastic corridor. An enclosed safety platform is placed at the end of the walkway, which serves to motivate the animal's movement down the corridor.
3. The imprints of the paws are left on the paper as the animal traverses the corridor. Outcome measures include stride length, stride width and base of support.