

Breadcrumb

1. [Home](#)
2. [Print](#)
3. [Pdf](#)
4. [Node](#)
5. [Entity Print](#)

# NVAP Reference Guide: Appendix G: Equine Teeth and Aging

Last Modified:

[Expand All](#)

## NVAP Reference Guide: Table of Contents

[Preface](#)

[Introduction](#)

### Control and Eradication

- [Brucellosis](#)
- [Johne's Disease](#)
- [Pseudorabies \(PRV\)](#)
- [Tuberculosis](#)
- [Transmissible Spongiform Encephalopathies](#)
- [Scrapie](#)
- [Bovine Spongiform Encephalopathy \(BSE\)](#)
- [Chronic Wasting Disease \(CWD\)](#)

### Poultry

- [National Poultry Improvement Plan \(NPIP\)](#)
- [Avian Influenza \(AI\)](#)

- [Exotic Newcastle disease \(END\)](#)
- [Equine Disease](#)

## **[Aquatic Animal](#)**

- [Aquatic Animal National Health Plan](#)
- [Aquatic Animal Health Activities](#)

## **Animal Health Emergency Management**

- [Animal Health Emergency Management](#)
- [Emergency Response Structure](#)
- [National Response Framework \(NRF\)](#)
- [National Incident Management System \(NIMS\)](#)
- [National Animal Health Emergency Management System \(NAHEMS\)](#)
- [Foreign Animal Disease Preparedness and Response Plan \(FAD PReP\)](#)
- [FAD Recognition and Initial Response](#)
- [National Animal Health Emergency Response Corps \(NAHERC\)](#)
- [Notifiable Diseases and Conditions](#)
- [WOAH and International Standards](#)
- [Cleaning and Disinfection](#)
  - [Importance of Cleaning & Disinfection](#)
  - [Cleaning](#)
  - [Disinfection](#)
  - [Regulation of Disinfectants](#)
  - [Safety](#)
- [Disease Surveillance](#)
- [Laboratory Submissions](#)

## **Animal Movement**

- [Interstate Regulations](#)
- [Interstate Movement of Cattle, Horses, Swine, Sheep and Goats](#)
- [Issuing Interstate Animal Movement Documents](#)
- [International Animal Movement](#)
- [Issuing International Health Certificates \(IHCs\) for Live Animal Movement](#)
- [Common Problems Observed on Certificates for Live Animal Movement](#)

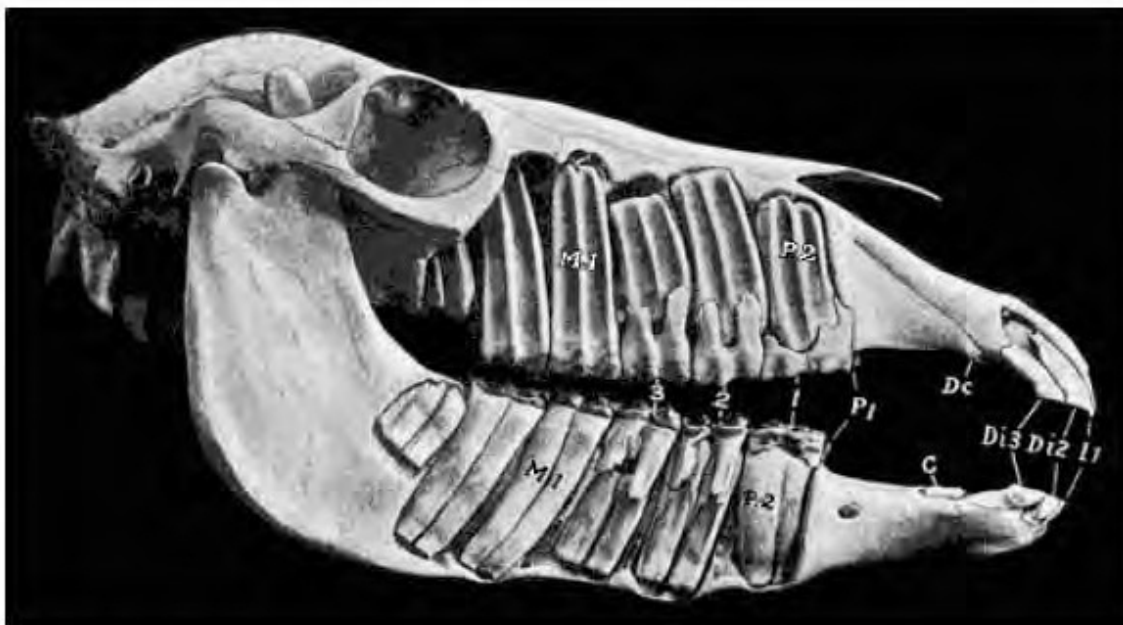
## **Animal Identification**

- [Animal Identification](#)
- [Cattle Identification](#)
- [Swine Identification](#)
- [Equine Identification](#)
- [Sheep and Goat Identification](#)
- [Fowl Identification](#)
- [Compliance and Regulations](#)

## **Appendix**

- [A: 9 CFR PARTS 160, 161, and 162](#)
- [B: APHIS VS District Offices](#)
- [C: State Animal Health Officials](#)
- [D: Forms](#)
- [E: Other Organizational Information with Contact Points](#)
- [F: Web Sites](#)
- [G: Equine Teeth and Aging](#)

The age of horses, donkeys, and mules can be estimated by examining the eruption and wear patterns of the teeth. Figures 7 through 9 provide a usable reference to help the accredited veterinarian approximate a given horse's age. These figures are reprinted with the permission of the American Association of Equine Practitioners from the "Official Guide for Determining the Age of the Horse."



**Figure 7**—Skull of a colt, 2½ years old, sculptured to show embedded parts of teeth. Both permanent and deciduous cheek teeth are shown. I 1 = first permanent incisor. Di 2 and Di 3 are second and third deciduous incisors. Dc = deciduous canine. C = permanent canine. P 1 = first premolar (“wolf-tooth”). 1, 2, and 3 are deciduous premolars. P 2 = first permanent premolar. M 1 = first molar.

In determining the age of a horse by its teeth, the examination is usually limited to the incisors. Eruption of the premolars and molars (cheek teeth) is a fairly accurate indication of age but is used infrequently. After the permanent teeth are in wear, determination of age becomes more difficult and quite speculative. No single feature or sign along should be considered as reliable; all signs must be evaluated carefully. The eruption table given here is from Sisson and Grossman (19xx).

## Eruption of the Teeth

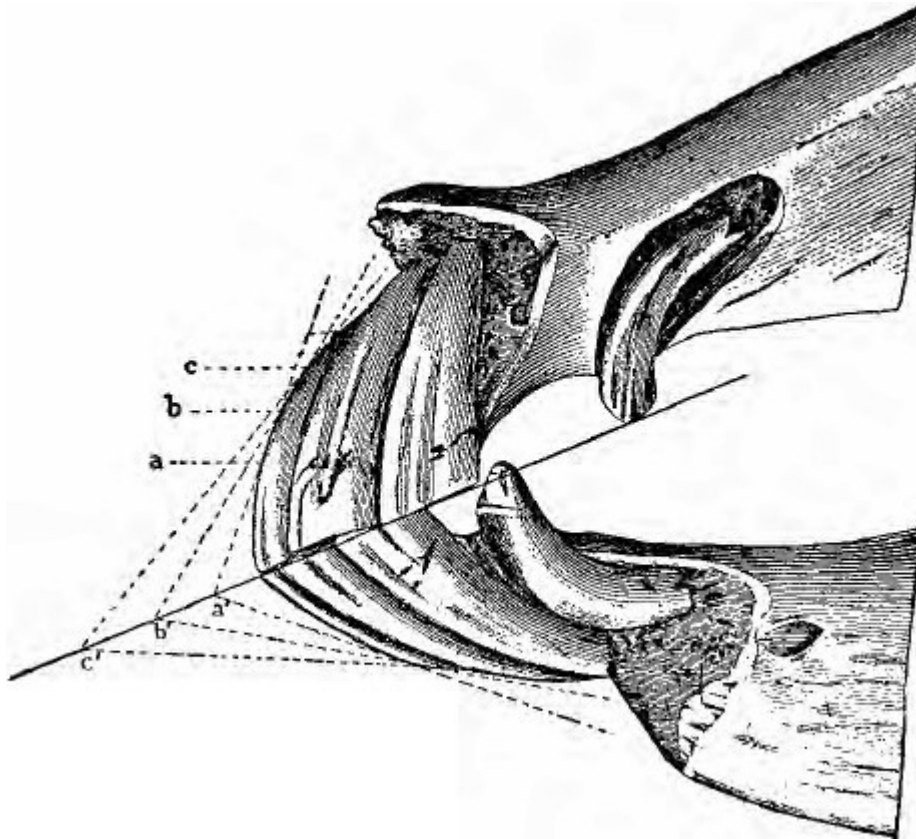
The subjoined table indicates the average period of the eruption of the teeth.

Teeth	Eruption
<b>A. Deciduous:</b>	
First incisor (Di 1)	Birth or first week
Second incisor (Di 2)	4-6 weeks
Third incisor (Di 3)	6-9 months
Canine (Dc)	

Teeth	Eruption
First Premolar (Dp 2)	Birth or first 2 weeks
Second premolar (Dp 3)	Birth or first 2 weeks
Third premolar (Dp 4)	Birth or first 2 weeks
<b>B. Permanent:</b>	
First Incisor (I 1)	2 1/2 years
Second incisor (I 2)	3 1/2 years
Third incisor (I 3)	4 1/2 years
Canine (C)	4-5 years
First premolar or wolf-tooth (P 1)	5-6 months
Second premolar (P 2)	2 1/2 years
Third premolar (P 3)	3 years
Fourth premolar (P 4)	4 years
First molar (M 1)	9-12 months
Second molar (M 2)	2 years
Third molar (M 3)	3 1/2 -4 years
(The period given for P 3 and 4 refer to the upper teeth; the lower ones may erupt about 6 months earlier.)	

Teeth

Eruption



## The Incisive Arcades

When the incisors are viewed **in profile**, the angle between the upper and lower incisors becomes more acute with age.



## Schematic Drawing of Incisors, Irregular Wear

Illustration depicts teeth of excessive length, which may have resulted from too-acute angulation at a n early age, improper wear, or maintenance of the horse of a soft diet. Each line on the corner tooth represents **approximately** 1year's growth. If **table** (occlusal) **surfaces** of incisors indicate age of 10 years and teeth were as illustrated, showing 10 lines, the age of the horse may be estimated as 20. (Number of lines added to indicated age of table surfaces equals estimated age.)

## Schematic Drawing of Central Incisor

Appearance of the table (occlusal) surfaces at different stages of wear.

1—shortly after eruption its breadth (transverse, long diameter) marked by a–b, its thickness (short diameter) c–d.

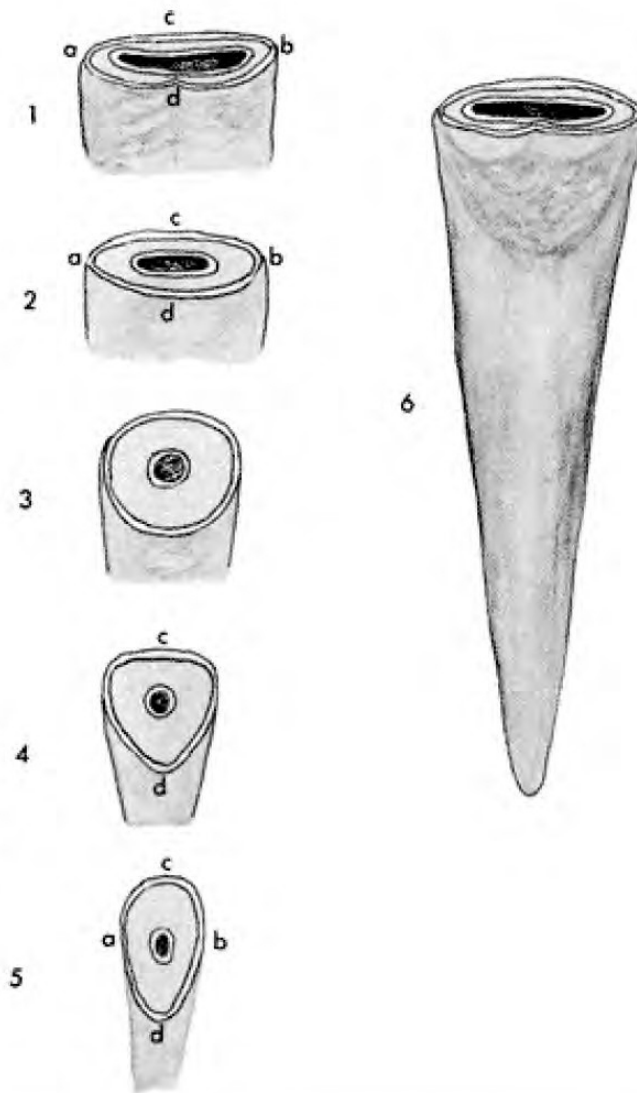
2—shows the table surface as it appears at the age of six years, the breadth, a–b, begins to decrease, and the thickness, c–d, increases slightly; the tooth appears oval.

3—shows a round surface of nine to twelve years. The two diameters become equal.

4—shows a triangular surface of fourteen to seventeen years. The long diameter, c–d, in the labiolingual direction.

5—shows surface of animal over twenty in which breadth, a–b, measures only half as much as thickness, c–d.

6—depicts exposed incisor.



**Figure 8—**A schematic drawing of the central incisor of the horse at various different ages. (Adapted from the “Official Guide for Determining the Age of the Horse,” published by the American Association of Equine Practitioners.)

**Figure 9 -** [Equine incisors at various ages on the following pages](#) (2.11 MB).

(Scanned from the Official Guide for Determining the Age of the Horse, Published by the American Association of Equine Practitioners.)

[Print](#)