

# Nordic Claw Atlas

Definitions of claw diagnoses



A collaboration between Nordic claw health experts

# Nordic Claw App

The Nordic Claw Atlas is a collection of photos showing the disorders that are recorded in the common Nordic Claw Health Recording Program, The Nordic Claw App.

The atlas contains trait definitions of all diagnoses that leading claw experts from Denmark, Finland, Norway and Sweden has agreed upon. All trait names are shown in English, Danish, Finnish, Norwegian and Swedish.



Updated in June 2020

## Photos are taken by:

Professor emeritus Christer Bergsten, SLU

Frida Åkerström, Växa Sverige

Associate professor DVM Nynne Capion, Department of Veterinary Clinical Sciences, University of Copenhagen

Professor DVM Terje Fjeldaas, NMBU, Department of Production Animal Clinical Sciences

Veterinary specialist PhD Åse Margrethe Sogstad, Animalia

Specialist candidate DVM Maren Knappe-Poindecker, NMBU, Department of Basic Sciences and Aquatic Medicine

PhD student Lina Ahlén, NMBU, Department of Production Animal Sciences

DVM Reijo Junni, Environmental Health Office of Central Ostrobothnia

DVM Herta Pirkkalainen, Animal Health ETT

## Special thanks to

Professor emeritus Christer Bergsten, SLU

Frida Åkerström, Växa Sverige

M. Sc. (Agric.) Elina Paakala, Faba

M. Sc. (Agric.) Terhi Vahlsten, Faba

DVM Jouni Niemi, Vetman Oy

DVM Reijo Junni, Environmental Health Office of Central Ostrobothnia

DVM, PhD, Minna Kujala-Wirth, University of Helsinki

DVM Aino Riihimäki, University of Helsinki

DVM Herta Pirkkalainen, Animal Health ETT

DVM, PhD, Peter Raundal, SEGES

Associate professor DVM Nynne Capion, Department of Veterinary Clinical Sciences, University of Copenhagen

M. Sc. (Agric.) Gert Pedersen Aamand, CEO, Nordic Cattle Genetic Evaluation

Professor Terje Fjeldaas, NMBU, Department of Production Animal Clinical Sciences

Veterinary specialist PhD Åse Margrethe Sogstad, Animalia

Specialist candidate Maren Knappe-Poindecker, NMBU, Department of Basic Sciences and Aquatic Medicine

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# Sole haemorrhage



Såleblødning



Vertymä anturassa



Blødning i sålen



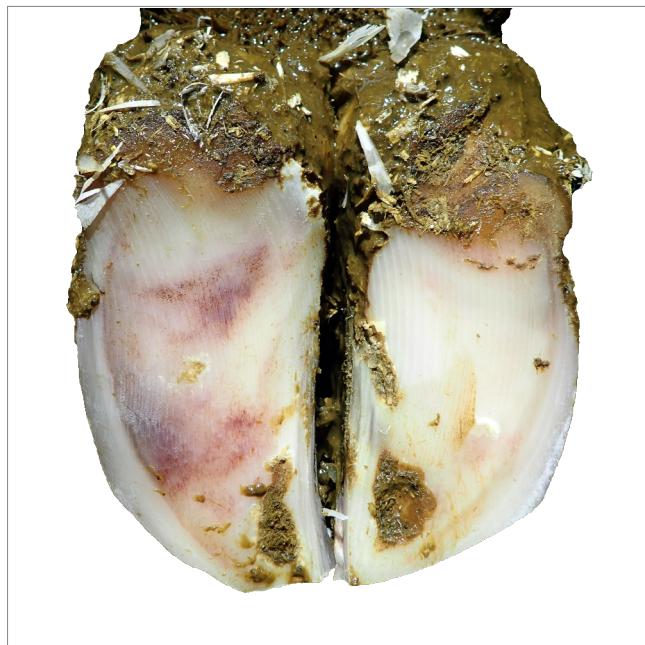
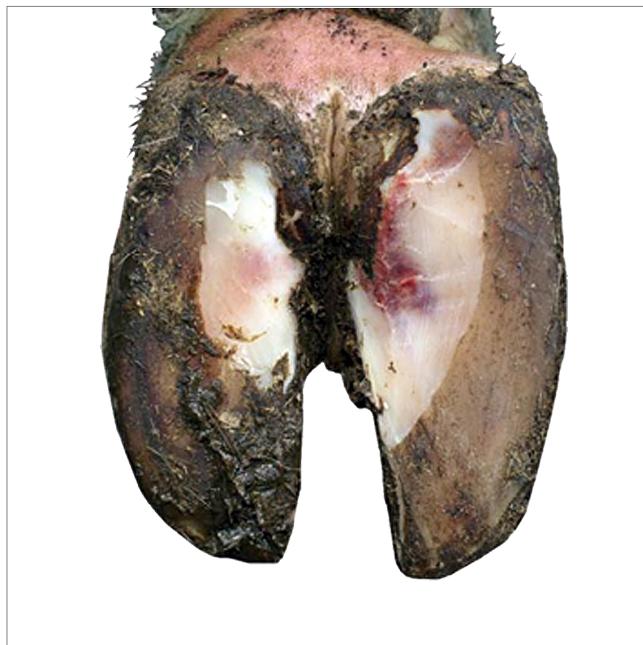
Sulblødning

## Mild



Superficial haemorrhage or slight discolouration of the sole and/or the white line, may disappear at normal trimming.

## Severe



Profound haemorrhage of the horn of the sole and/or the white line, remains after trimming.

# Sole ulcer



Sålesår



Anturahaavauma

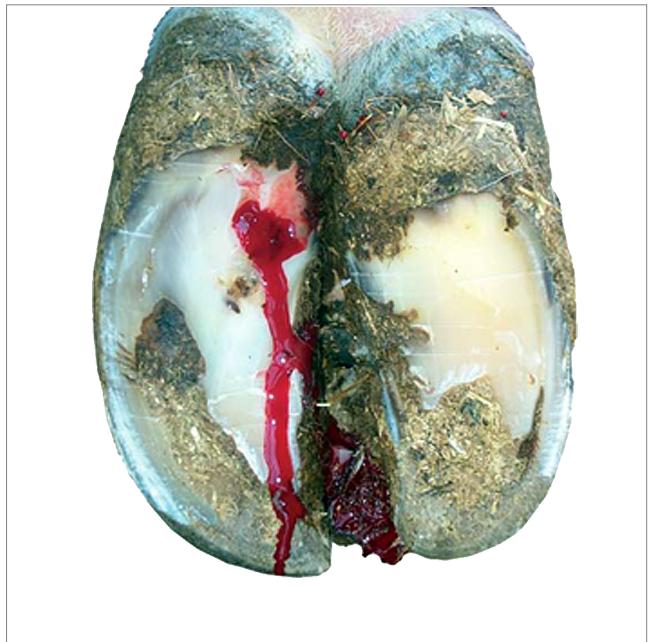


Såleknusning



Klövsulesår

## Mild



Penetration through the sole horn exposing fresh corium. Located in the typical rear part of the sole.

## Severe



Penetration through the sole horn exposing affected corium with necrotic discolored tissue and/or protruding granulation tissue. Located in the typical rear part of the sole.

# White line fissure



Hul væg, løs hvid linje



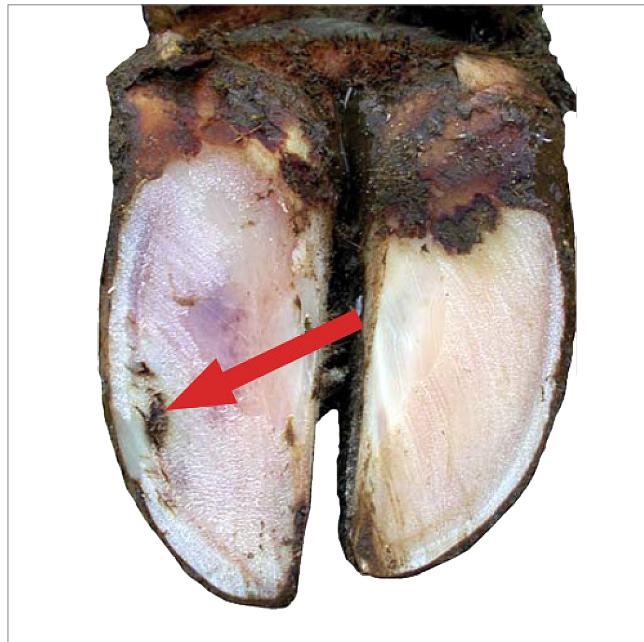
Valkoviivan repeämä



Løsning i den hvite linjen



Hålvägg



Separation of the white line that remains after normal trimming. No exposed corium.

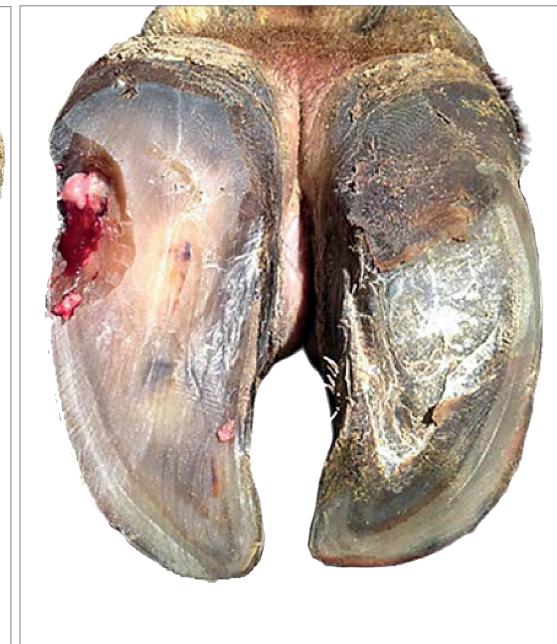
# White line abscess/ White line ulcer

-  Hul væg, sår/byld i hvid linje
-  Valkoviivan paise
-  Byll i den hvite linjen
-  Sår/böld i vita linjen

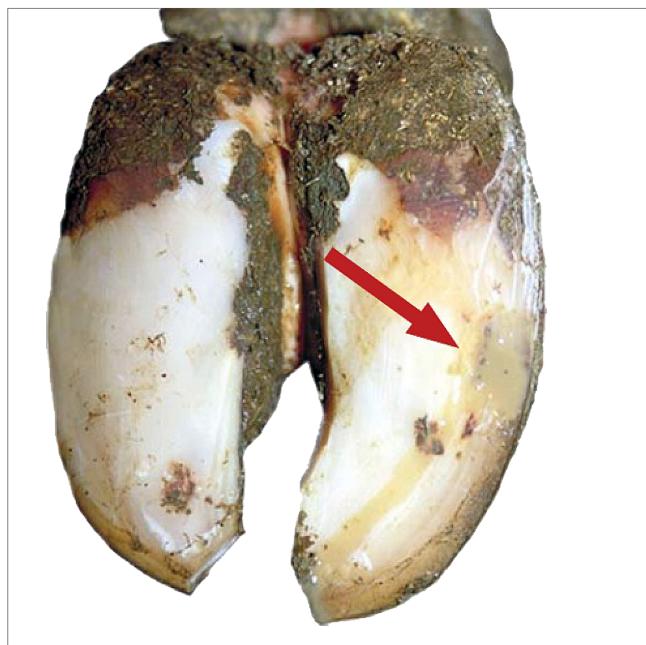
**Before opening**



**After opening**



**Abscess opening in coronary band**



Exposed corium with or without purulent exudation or necrosis originating from a fissure of the white line.

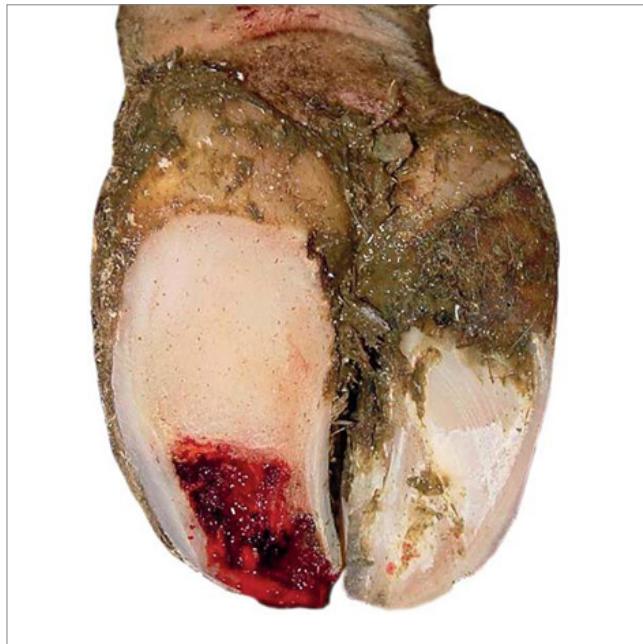
# **Toe ulcer/ Toe abscess/ Toe necrosis**

 Tånekrose

 Käripaise

 Tåbyll/tånekrose

 Sår/böld i tån



Ulceration of toe with an abscess and/or necrosis.

# Double sole

-  Dobbeltsål
-  Kaksoispohja
-  Doppeltsåle
-  Dubbelsula



One or more layers of under-run sole horn.

# Chronic laminitis/ Laminitic ring/ Horizontal fissure



Kronisk laminitis/ vandret  
hornspalte/snabelklov



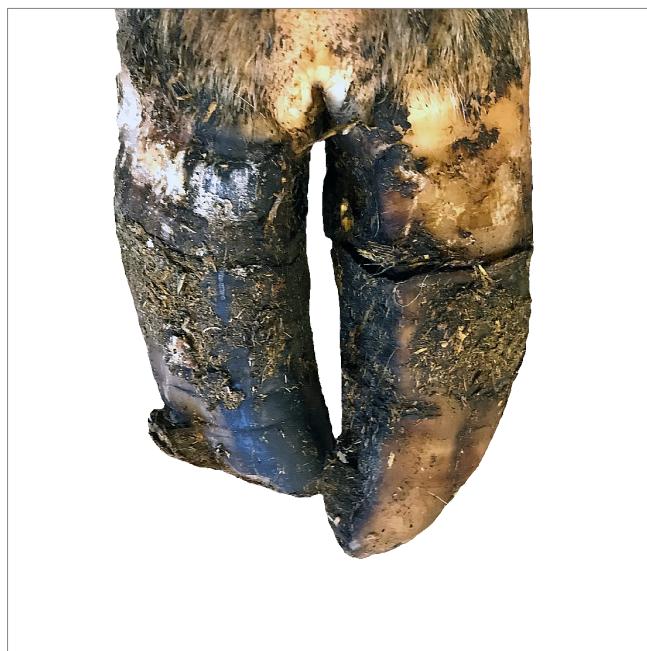
Krooninen sorkkakumme/  
Poikittaishalkema



Kronisk forfangenhet/  
horisontal klauvsprekk



Kronisk fång/  
horisontell spricka



Concave deviation of the dorsal wall with i.e laminitic ring(s) or a horizontal fissure.

# Vertical horn fissure



Lodret hornspalte



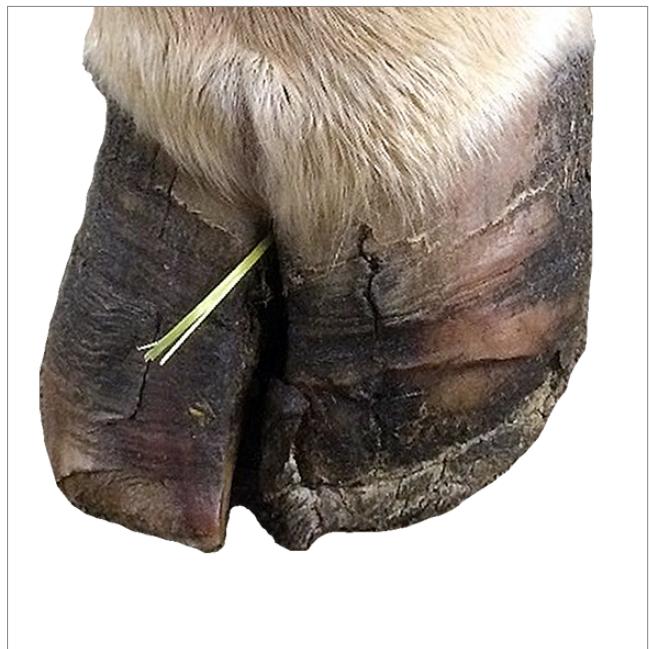
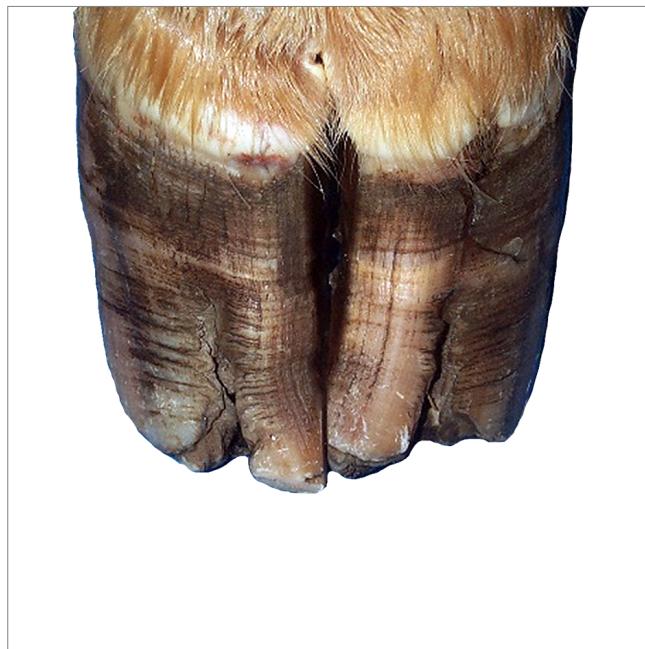
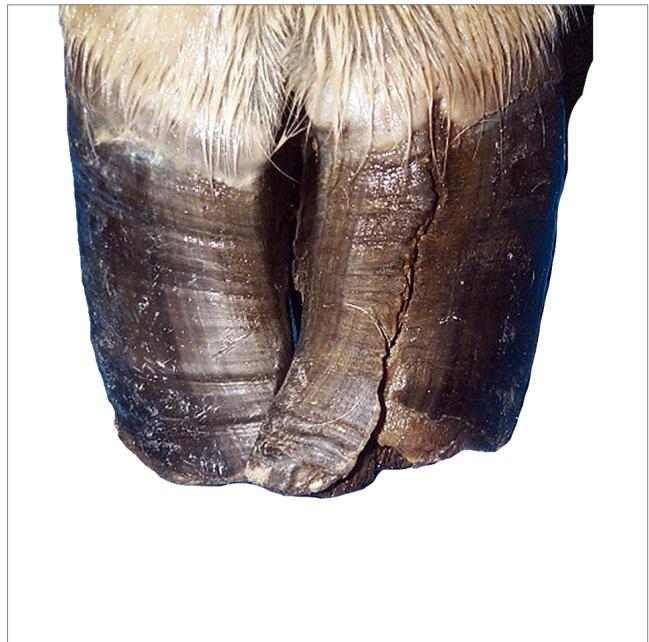
Pitkittäishalkeama



Vertikal klauvsprekk



Vertikal spricka



Vertical (longitudinal) fissure/crack of the dorsal or abaxial wall extending from the coronary band.

# Axial horn fissure



Hornspalte i indre



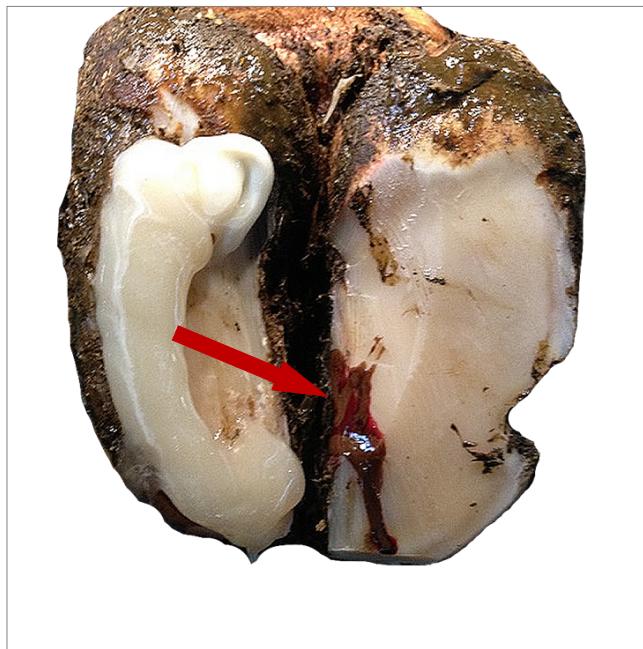
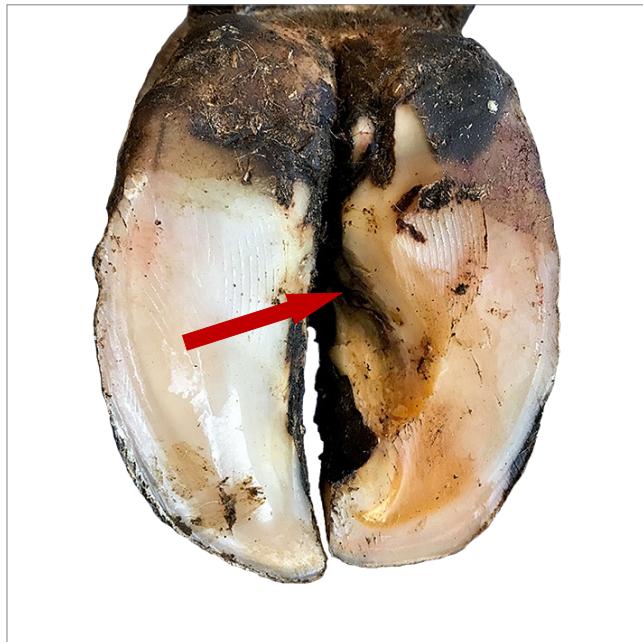
Sisäpinnan halkeama



Sprekk innvendig hornvegg



Spricka inre hornvägg

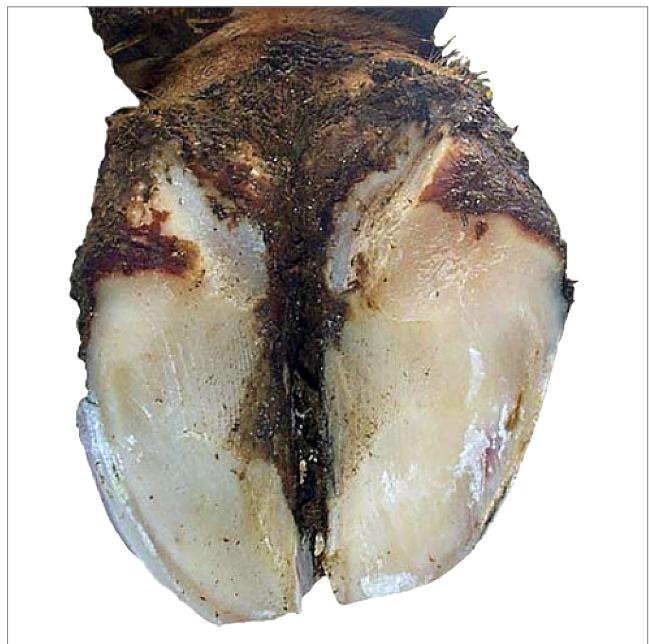


Vertical (longitudinal) crack in the inner claw wall extending to the corium.

# Heel horn erosion

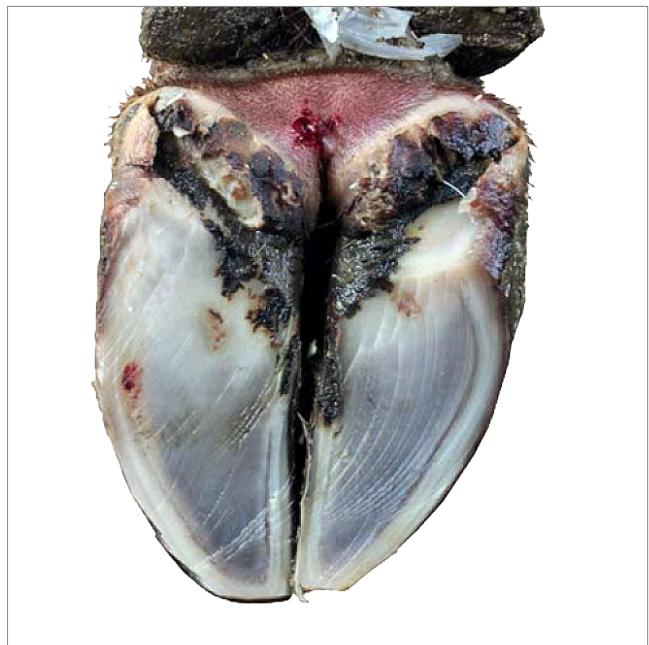
-  Balleråd
-  Kantasyöpymä
-  Hornforråtnelse
-  Klövröta

## Mild



Superficial erosions of the bulbs.

## Severe



Moderate to profound erosions of the bulbs, most often V-shaped and possibly extending to the corium.

# Mild dermatitis



Spaltetændelse



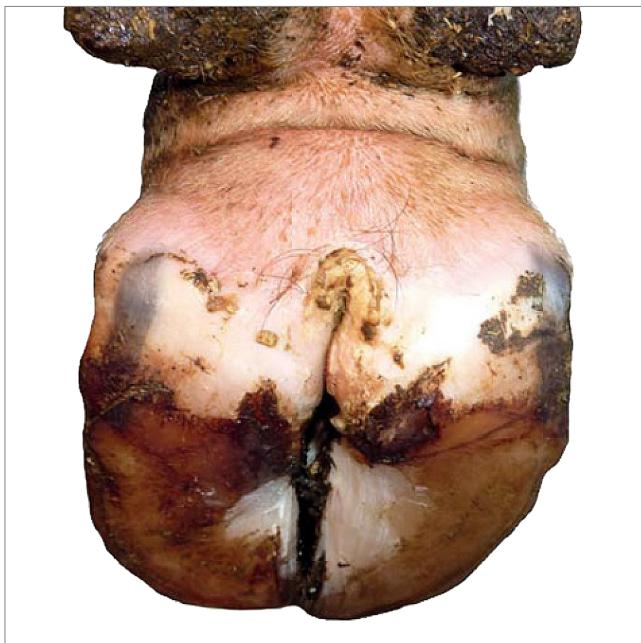
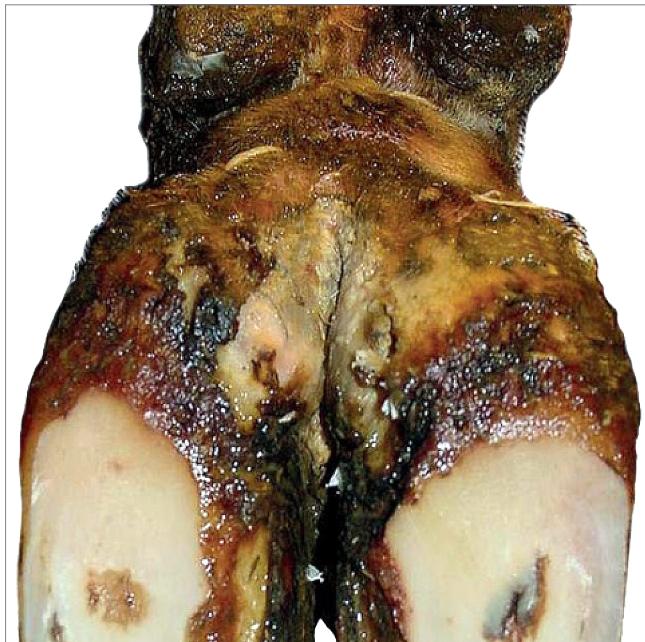
Lievä ihotulehdus  
(sorkkavälin ihotulehdus)



Mild dermatitt  
(interdigital dermatitt)



Lindrigt eksem



Mild hyperkeratosis without proliferation. Lesion is not painful or bleeding.

# Digital dermatitis



Digital dermatitis, DD



Sorkka-alueen ihotulehdus,  
DD

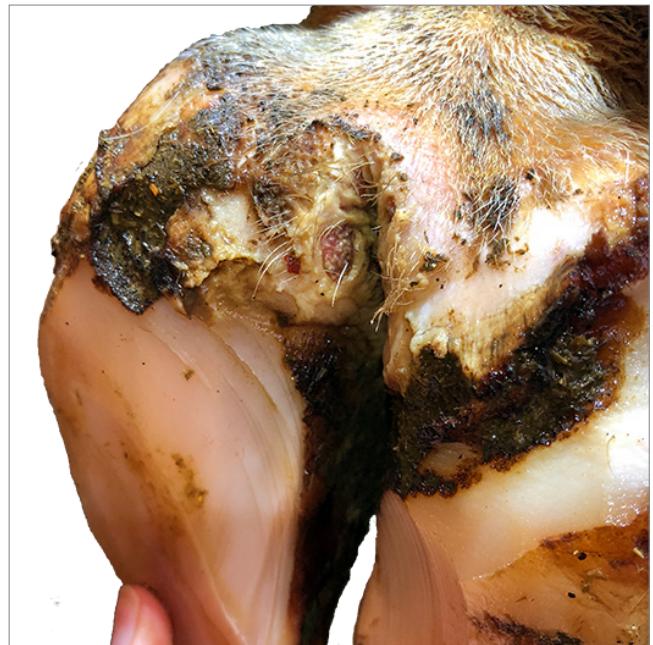
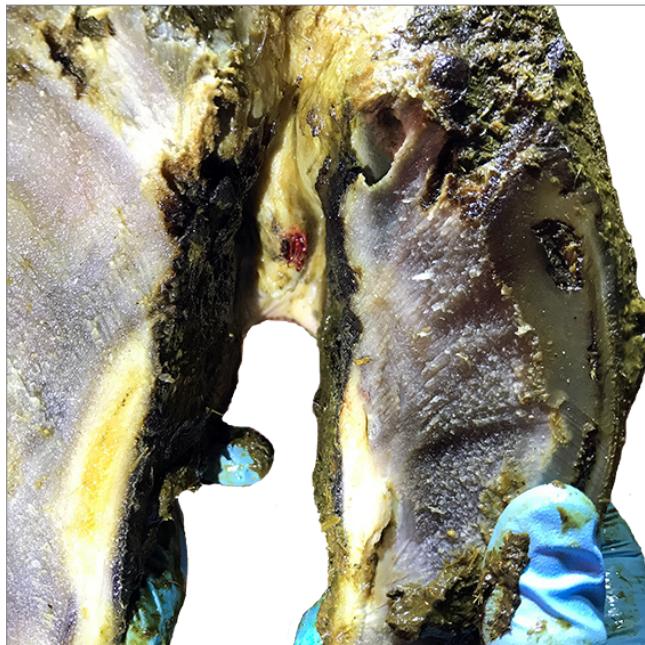


Digital dermatitt



Digital dermatit

## Minor lesions



Ulcerative, granulomatous and easily bleeding lesion of any size.

# Digital dermatitis



Digital dermatitis, DD



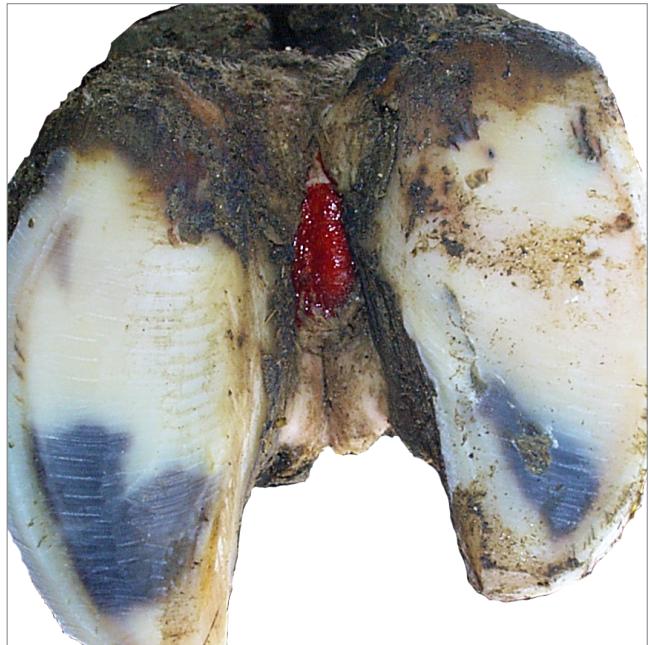
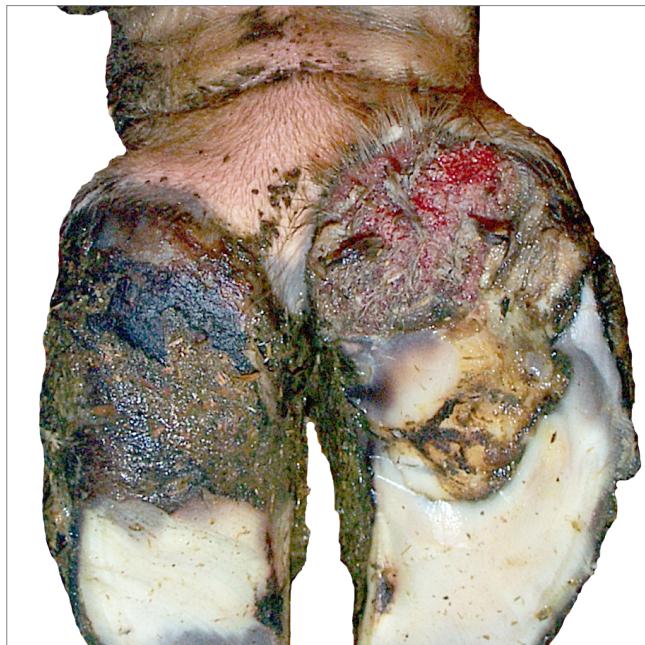
Sorkka-alueen ihotulehdus,  
DD



Digital dermatitt



Digital dermatit



## Acute lesion in chronic DD



Ulcerative, granulomatous and easily bleeding lesion of any size.

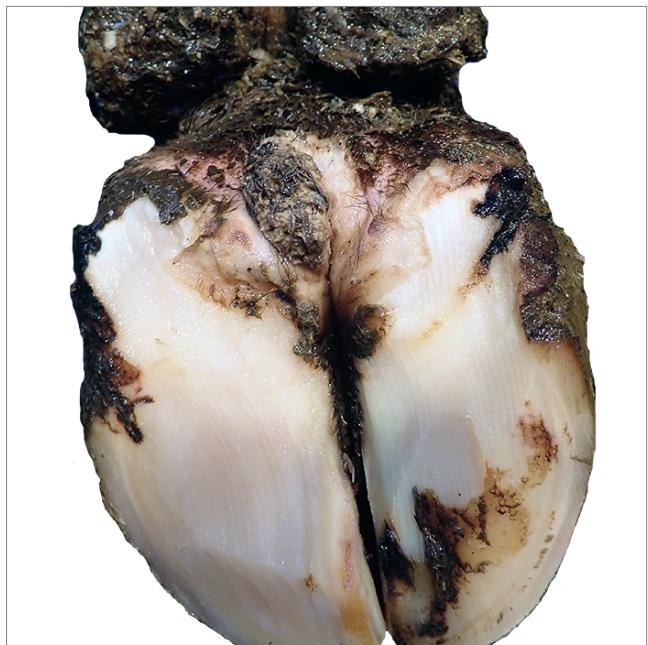
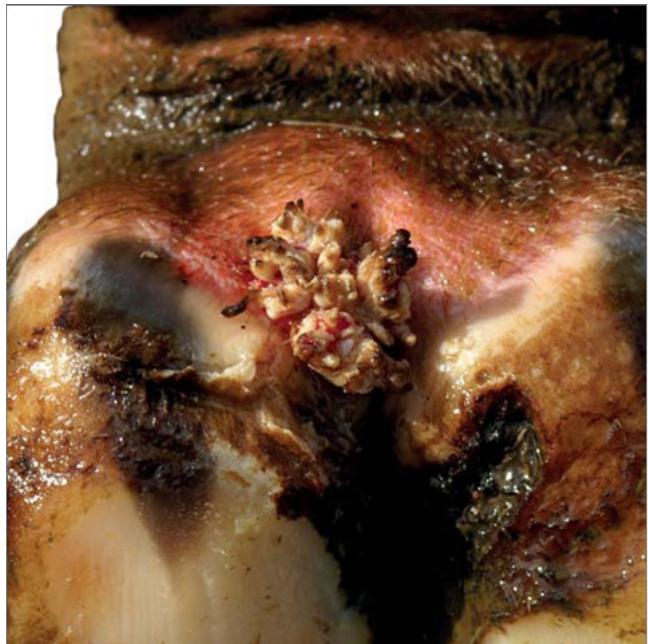
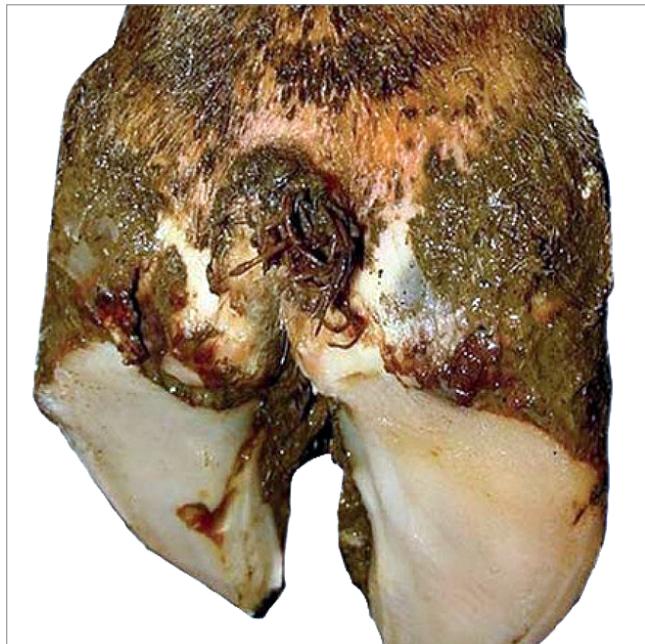
# Chronic dermatitis/ Wart growth

 Kronisk digital  
dermatitis/vorte

 Sorkkasyylä/  
Krooninen DD

 Kronisk dermatitt

 Kronisk DD/Vårtta



Proliferation and / or severe hyperkeratosis. Often the chronic stage of digital dermatitis, but also includes warts of unknown aetiology.

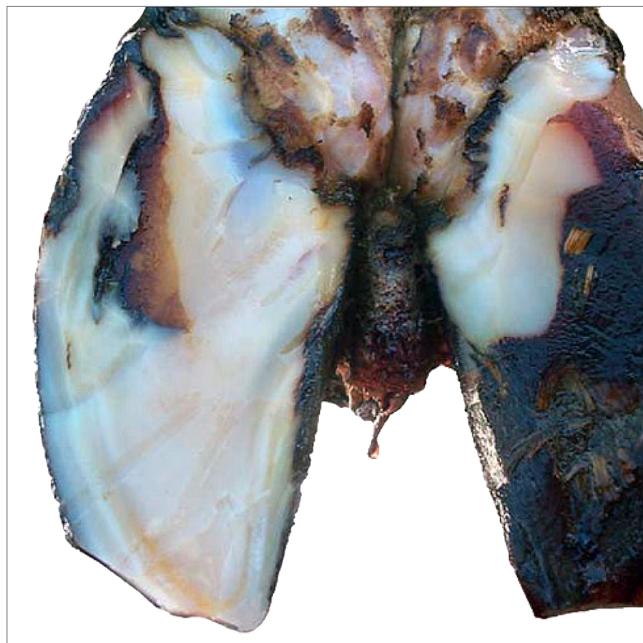
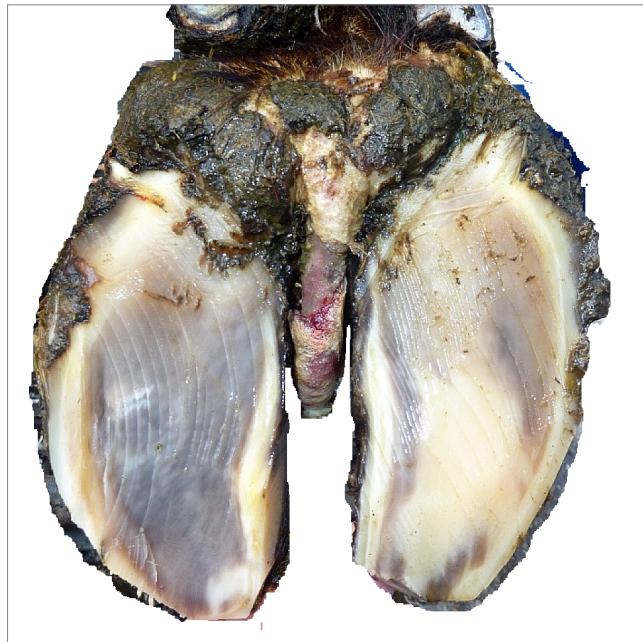
# Interdigital hyperplasia/ Interdigital fibroma

 Nydannelse

 Sorkkavälin  
liikakasvu

 Limax

 Limax



Interdigital growth of fibrous tissue.

# Interdigital phlegmone

## /Foul in the foot/ Foot rot



Klovbrandbyld



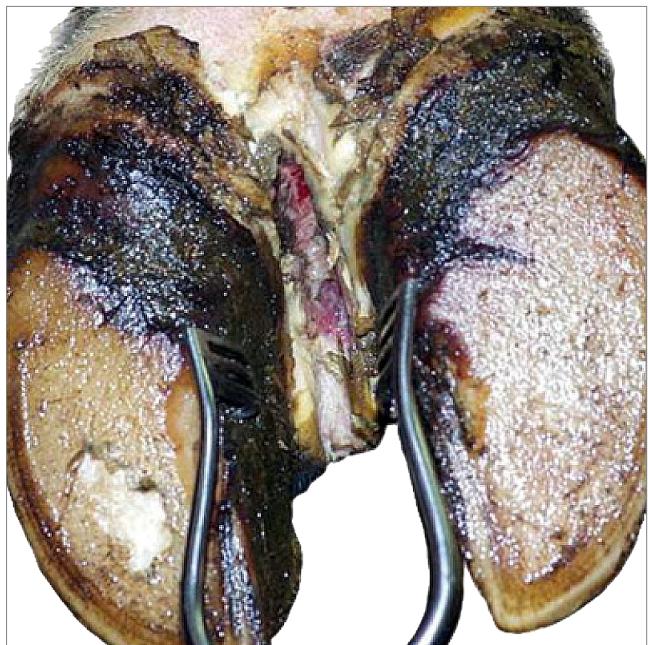
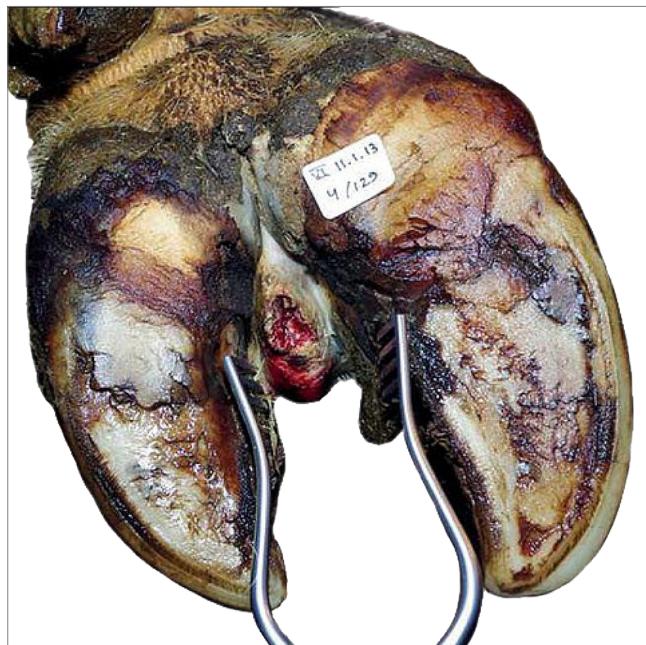
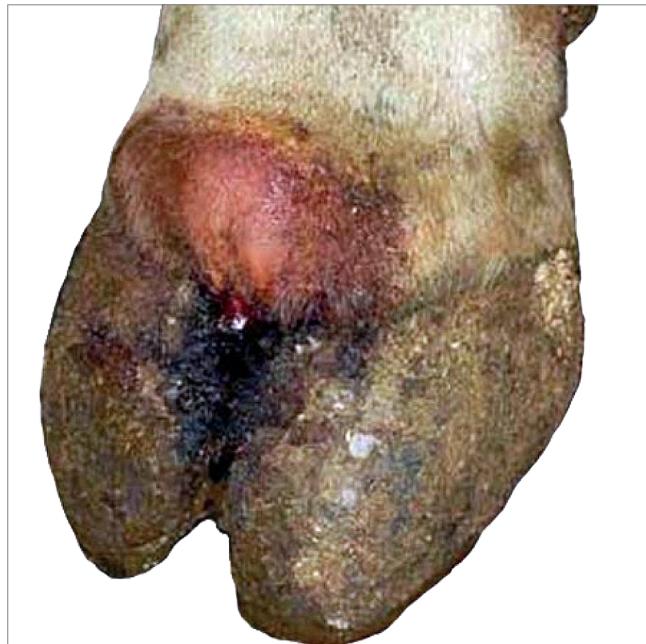
Sorkkavälin ajotulehdus



Klauvspalteflegmone



Klövspaltsinflammation



Deep interdigital infection with symmetric swelling of the foot, odorous smell, ulceration and commonly necrotic tissue. The disease frequently causes fever and acute lameness.

# Corkscrew claw



Proptrækkerklov



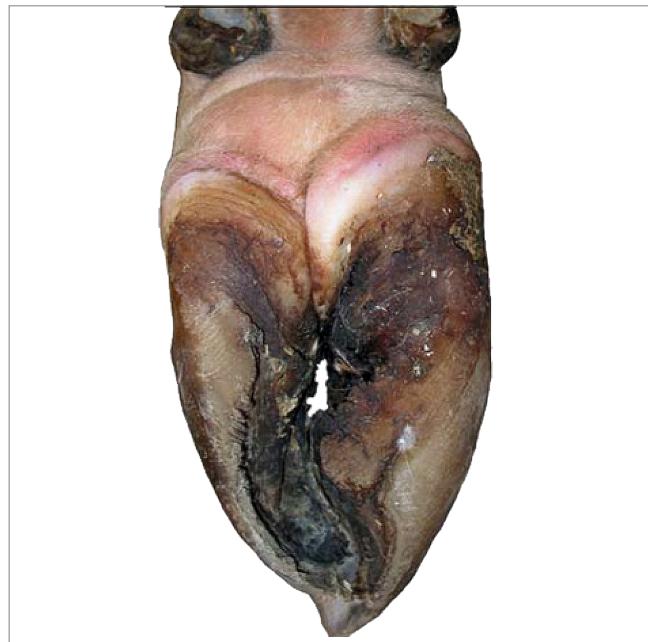
Sorkkakiertymä



Korktrekkerklauv



Korkskruvsklöv



**Before trimming**



**After trimming**



Any inward torsion lengthwise of the either outer or inner claw. The dorsal edge of the wall deviates from a straight line.

# Asymmetric claws/ Different sized claws



Asymmetrisk klov



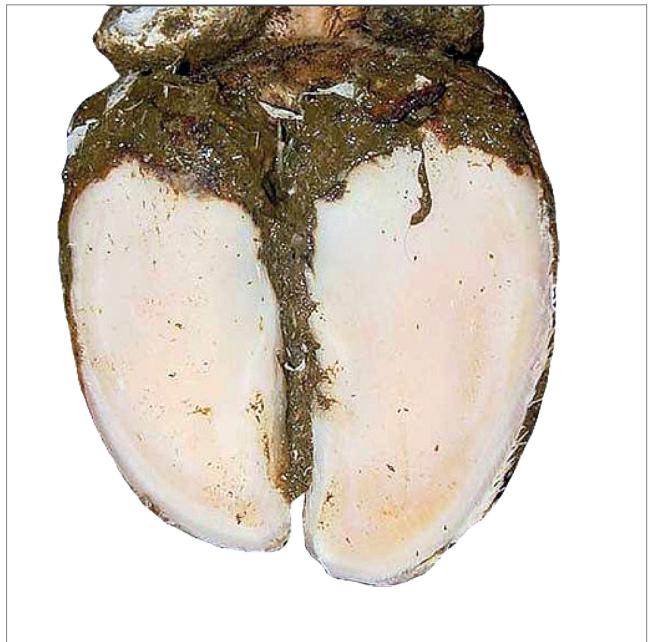
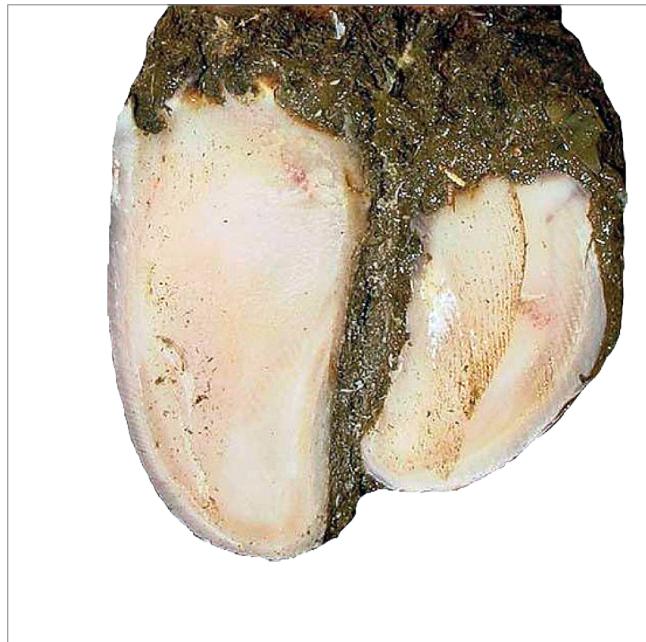
Epäsymmetriset sorkat



Asymmetriske klauver



Asymmetri



Significant difference in width, and possibly height and length, between the outer and inner claw.

# Scissor claws



Sakseklov



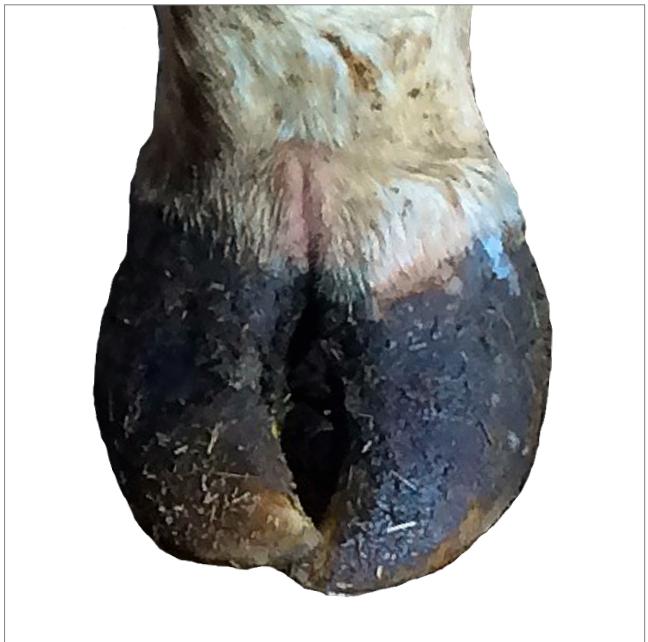
Saksisorkat



Sakseklauv



Saxklöv



Tip of toes crossing each other, but without torsion.

# Overgrown claws



Overgroet klov



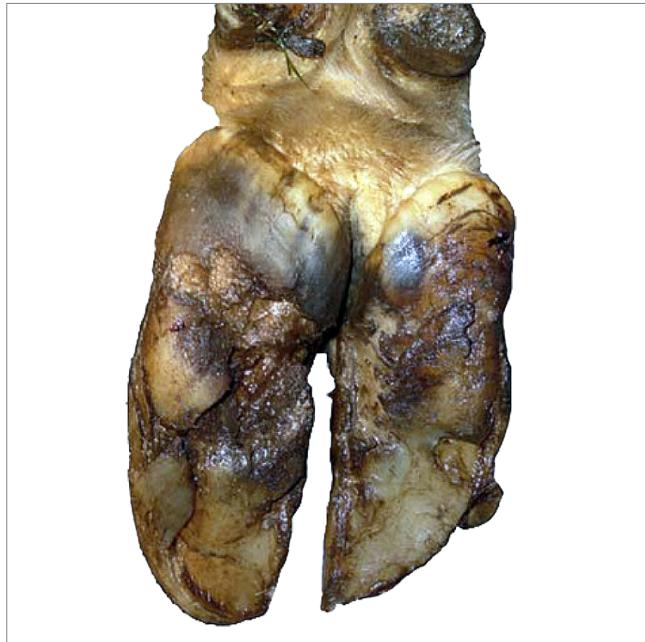
Ylikasvaneet sorkat



Overvokste klauver



Förvuxen klöv



Severely overgrown claws

# Thin sole



Tynd sål



Ohut pohja

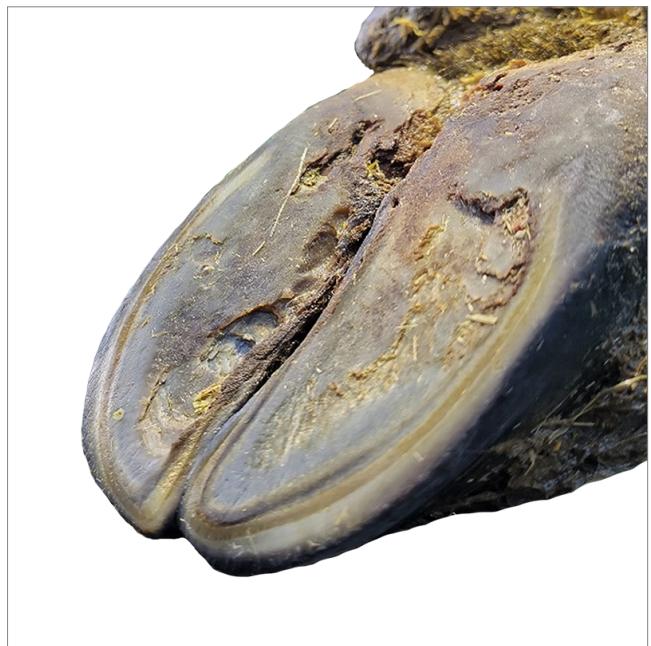
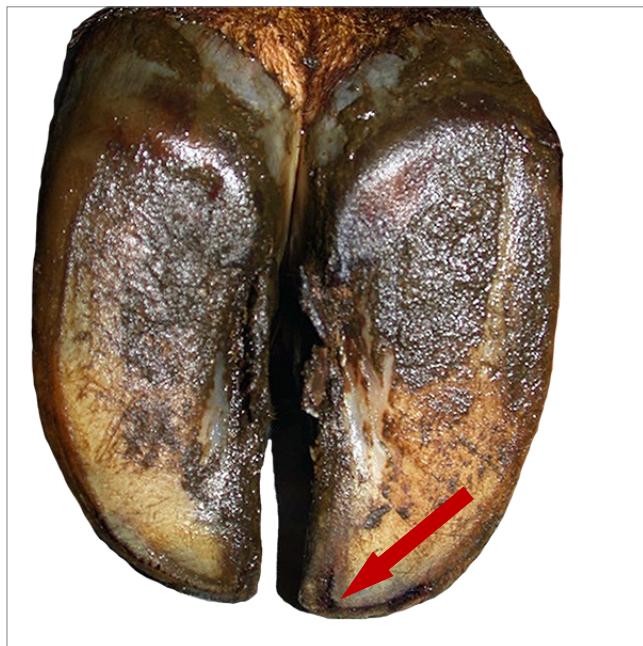


Tynn såle



Tunn sula

## Over-worn sole before trimming



## Over-trimmed sole



Sole horn yields (feels spongy) when finger pressure is applied.

# Trauma

In cases with trauma – always consult a veterinarian!



**Claw capsule damage**



**Exungualtion of dewclaw**



**Exungulation**



**Trauma after bandage**



Accidental traumatic damage to the claw capsule, the coronary band and / or the digital / interdigital skin.

# Lameness



Halthed



Ontuminen



Halthet



Hälta



Walks and/or stands with an arched back. The cow walks with shorter, stiff strides or is clearly lame.

A pdf of the Nordic Claw Atlas  
is available to download from  
the following websites:

[www.landbrugsinfo.dk](http://www.landbrugsinfo.dk)

[www.faba.fi](http://www.faba.fi)

[www.animalia.no](http://www.animalia.no)

[www.vxa.se](http://www.vxa.se)

