

# Patologia do Sistema Cárdio-Vascular

Prof. Raimundo Alberto Tostes

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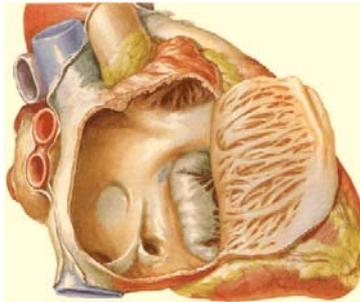
## Átrio Direito

### Aberturas

- veia cava superior
- veia cava inferior
- seio coronário
- orifício tricúspide (átrioventricular)

### Outras Estruturas

- aurícula direita
- septo interatrial
- fossa oval
- crista terminal
- Músc. pectíneo
- seio coronário
- valva átrio-ventricular (tricúspide)



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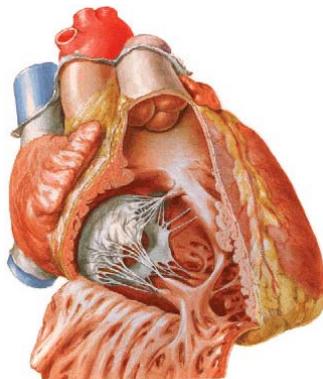
## Ventrículo Direito

### Aberturas

- orifício tricúspide (atrioventricular)
- orifício pulmonar

### Outras estruturas

- infundíbulo
- septo iv
- músc. 3 papilar (anterior, posterior & septal)
- trabeculae carneae
- corda tendínea
- banda moderadora (banda septomarginal)
- valva pulmonar (semilunar)



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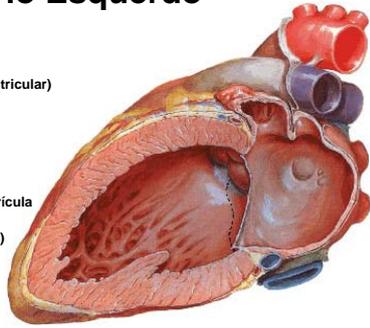
## Átrio Esquerdo

### Aberturas

- 4 veias pulmonares
- orifício mitral (átrioventricular)

### Outras Estruturas

- aurícula esquerda
- septo interatrial
- fossa oval
- músc. pectíneo (na aurícula somente)
- valva mitral (bicúspide)



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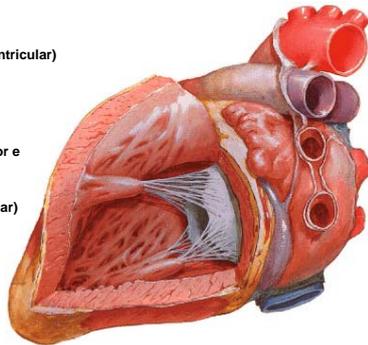
## Ventrículo Esquerdo

### Aberturas

- orifício mitral (átrioventricular)
- orifício aórtico

### Outras Estruturas

- vestibulo aórtico
- septo i/v
- músc. papilar (anterior e posterior)
- chorda tendínea
- valva aórtica (semilunar)



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## Anomalias Congênitas do Coração

### ➤ Desvio sistêmico pulmonar

#### Ducto Arterioso Persistente

#### Defeito Septal

⇒ Defeito Septal Atrial

⇒ Defeito Septal Ventricular

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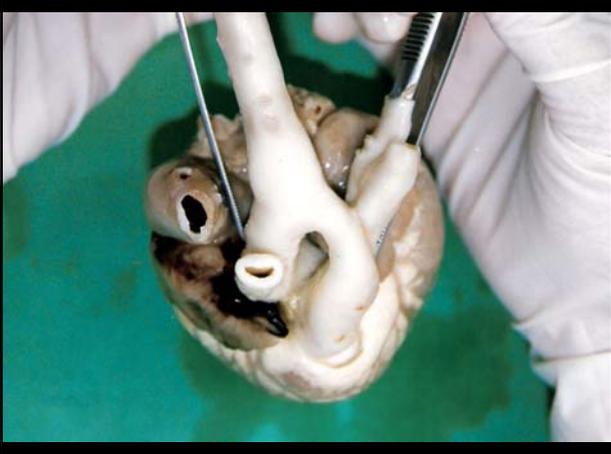
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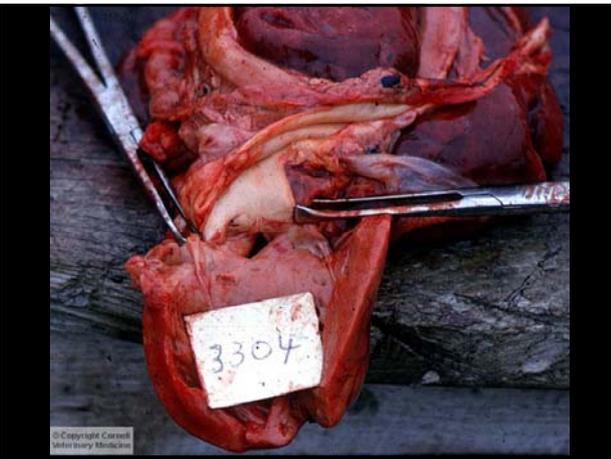
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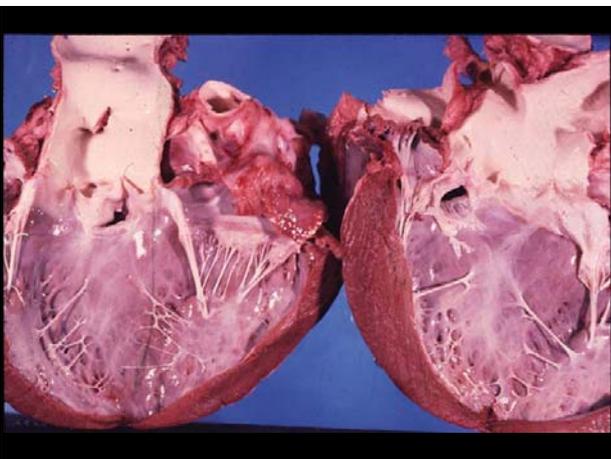
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## Anomalias Congênitas do Coração

### > Malformações das Válvulas Cardíacas

Obstrução ao fluxo de saída ventricular direito

⇒ Estenose Pulmonar

⇒ Estenose Aórtica

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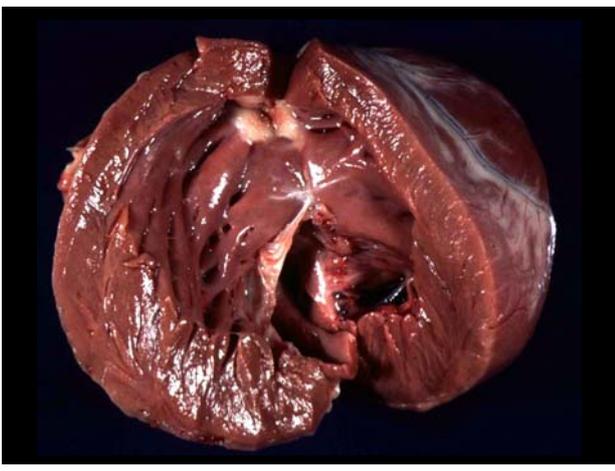
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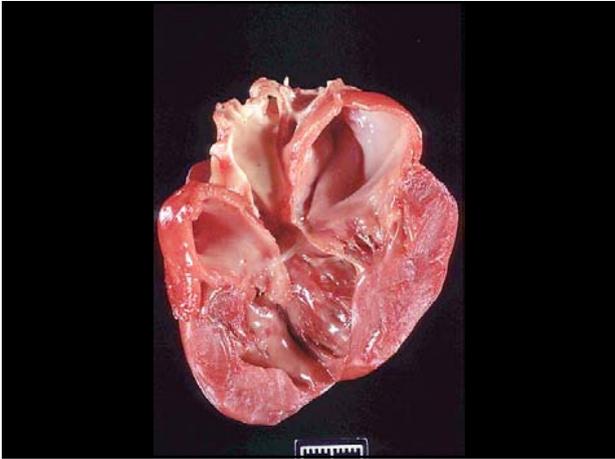
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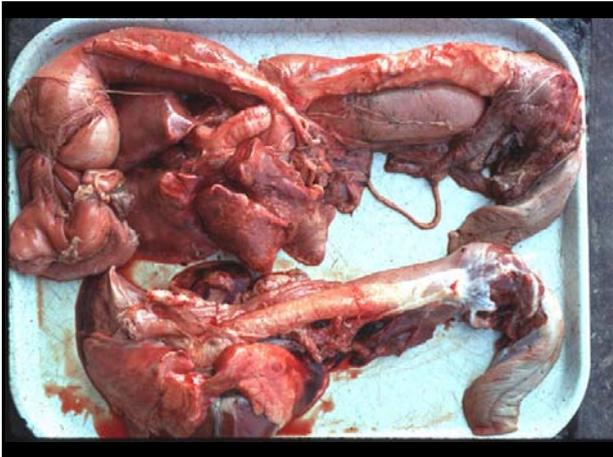
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## Insuficiência Cardíaca Congestiva

### Esquerda / Direita

1. Alterações na pressão de um ou ambos os ventrículos
2. Alterações no volume de um ou ambos os ventrículos
3. Alteração na contratilidade do miocárdio
4. Alteração no ritmo e batimento cardíacos

Hemodinâmica    Contratilidade    Ritmo

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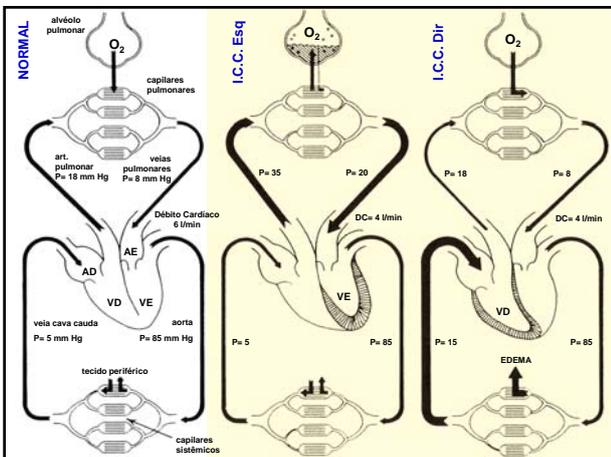
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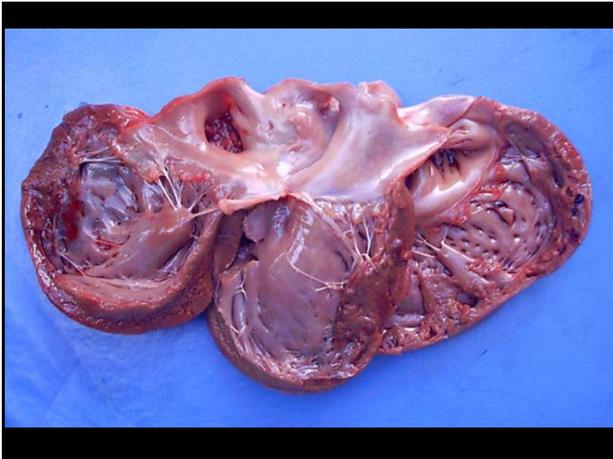
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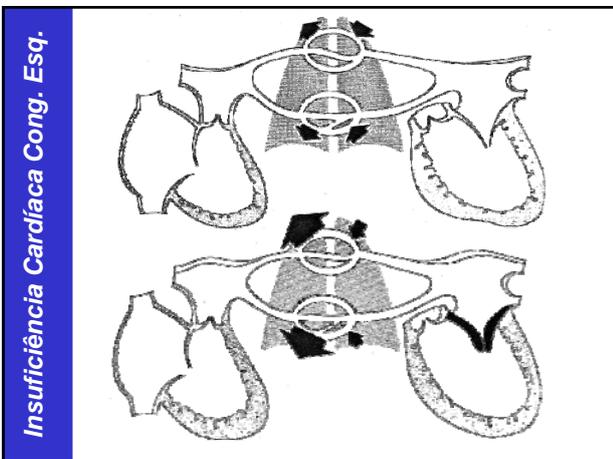
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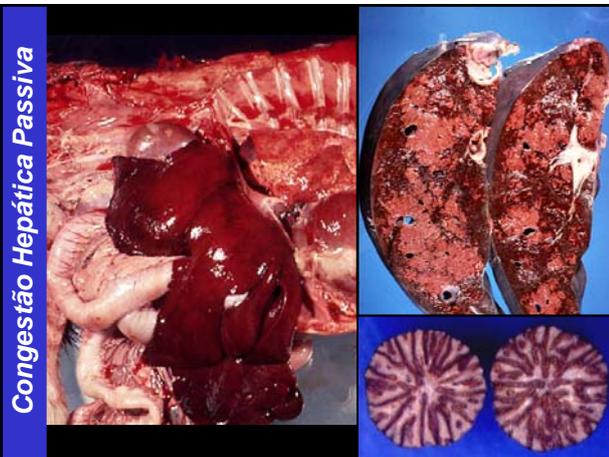
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Congestão Hepática Passiva

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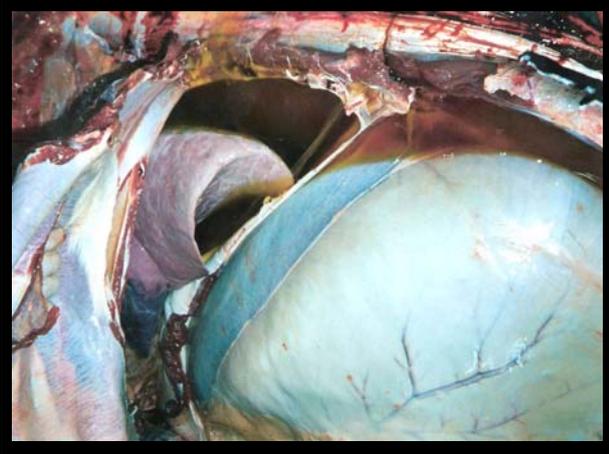
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### Alterações do Pericárdio

#### ➤ Alterações Não-Inflamatórias

*Hidropericárdio*

*Hemopericárdio*

*Atrofia Gelatinosa da Gordura Pericardíaca*

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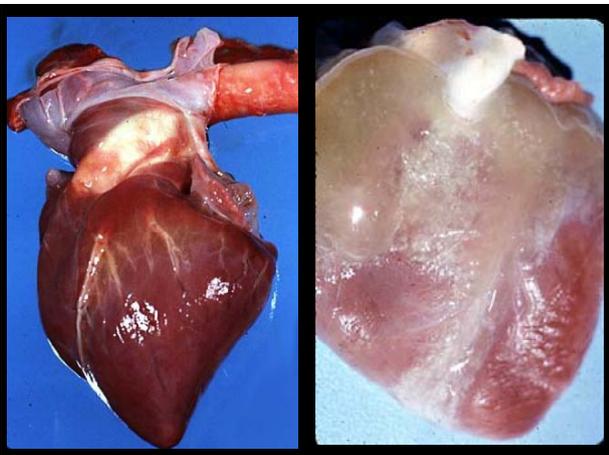
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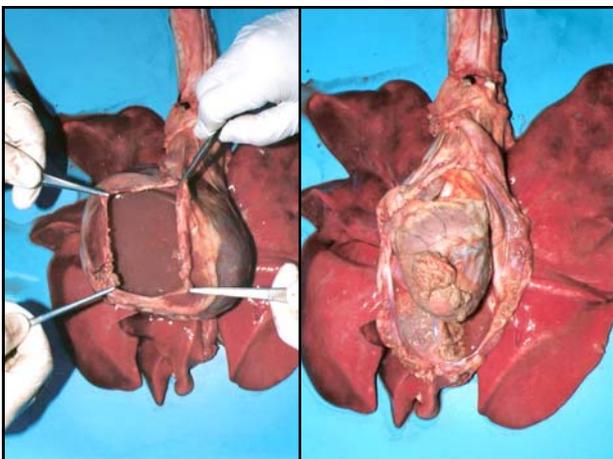
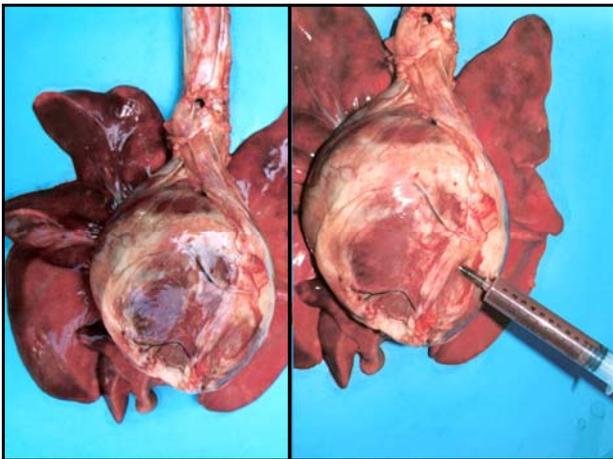
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## Alterações do Pericárdio

### ➤ Alterações Inflamatórias

*Pericardite Purulenta*

*[Retículo] Pericardite Traumática*



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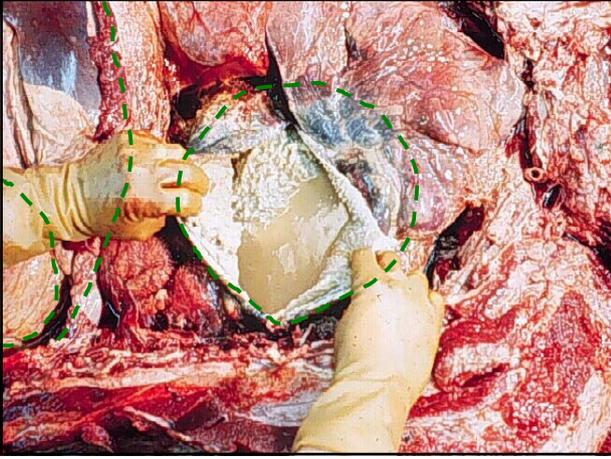
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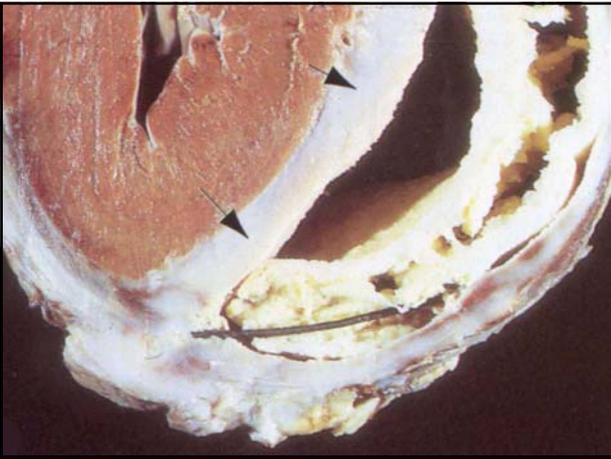
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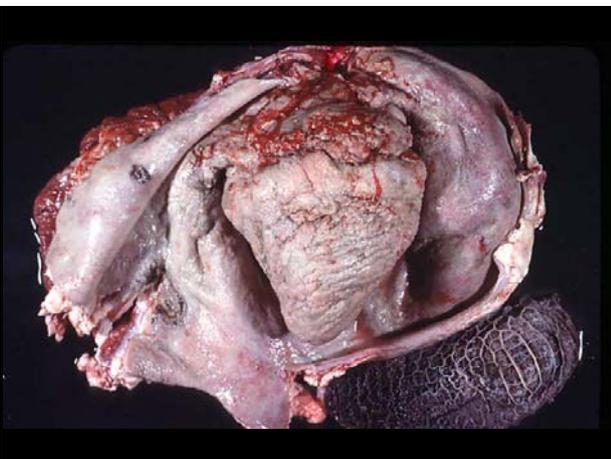
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**Alterações do Endocárdio**

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➤ **Alterações Degenerativas**

⇒ **Endocardiose Canina**

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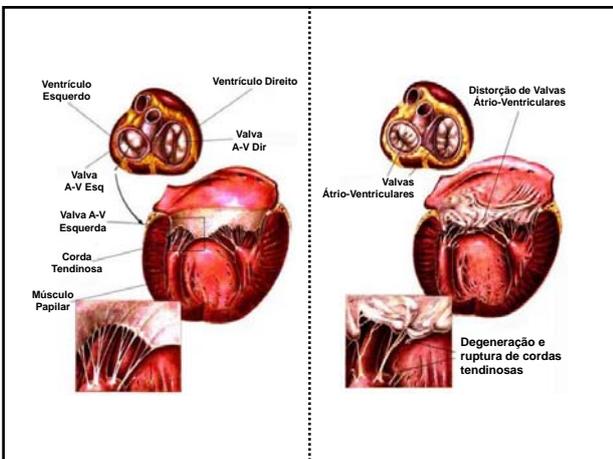
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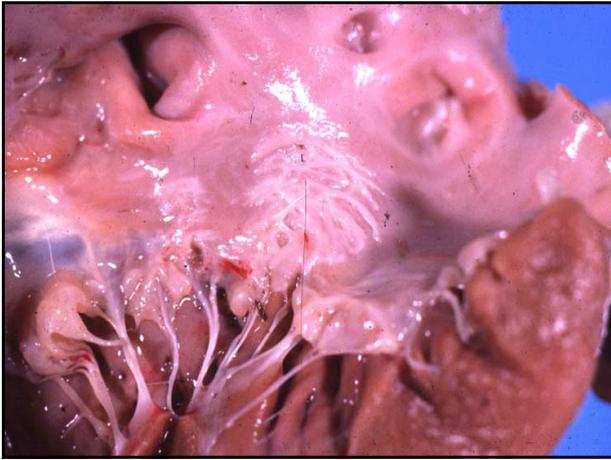
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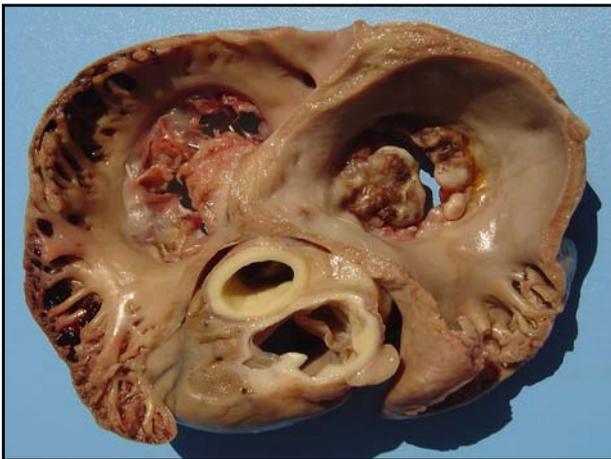
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**Alterações do Endocárdio**

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➤ **Alterações Inflamatórias**

- ⇒ **Endocardite (Valvular/Mural)**
  - Agentes** | *Arcanobacterium pyogenes*
  - | *Erysipelothrix rhusiopathiae*
  - | *Escherichia coli*
  - | *Streptococcus spp*
  
- ⇒ **Endocardite Mural**
  - Clostridium chauvoei*
  
- ⇒ **Endocardite Urêmica**

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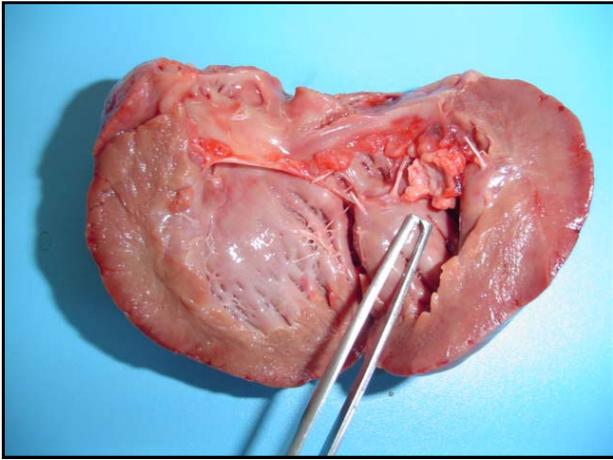
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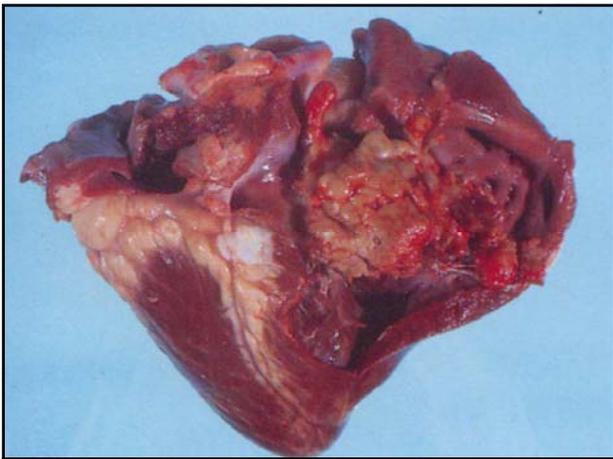
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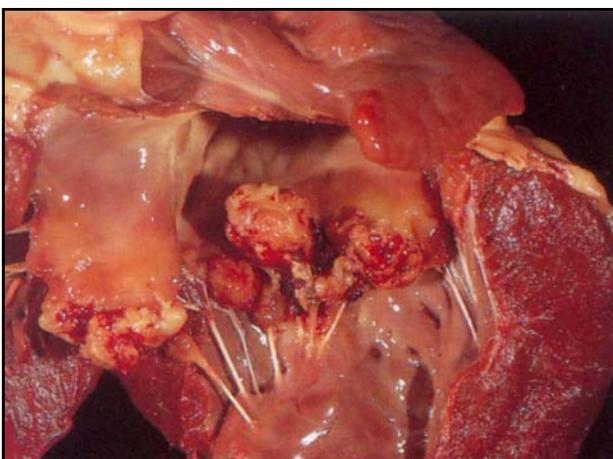
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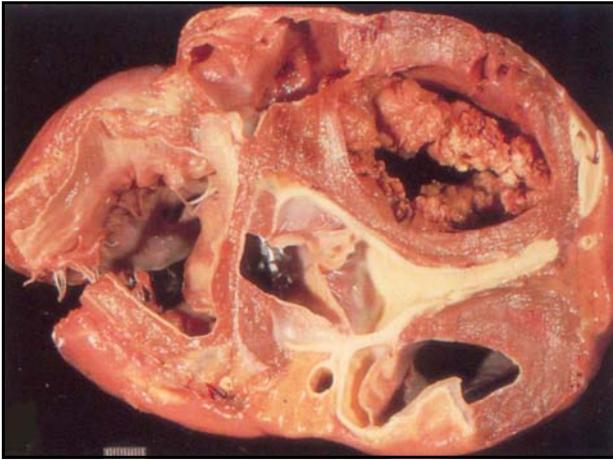
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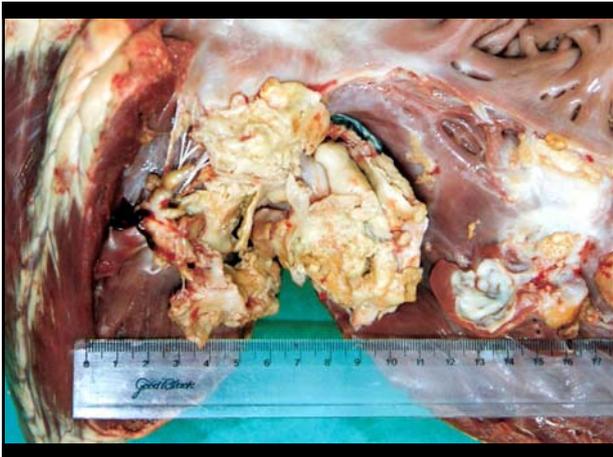
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### Alterações do Miocárdio

#### ➤ Alterações Inflamatórias e Necróticas

- ⇒ **Infeciosa**
- ⇒ **Nutricional**
- ⇒ **Tóxica**
- ⇒ **Parasitária**

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## Necrose do Miocárdio

### ⇒ Infecciosa

#### ➤ Bacteriana

*Clostridium chauvoei*  
*Listeria monocytogenes*  
*Histophilus somni*

#### ➤ Viral

Febre Aftosa  
Parvovirose Canina  
Herpesvirose Canina  
Cinomose  
Doença de Aujeszky

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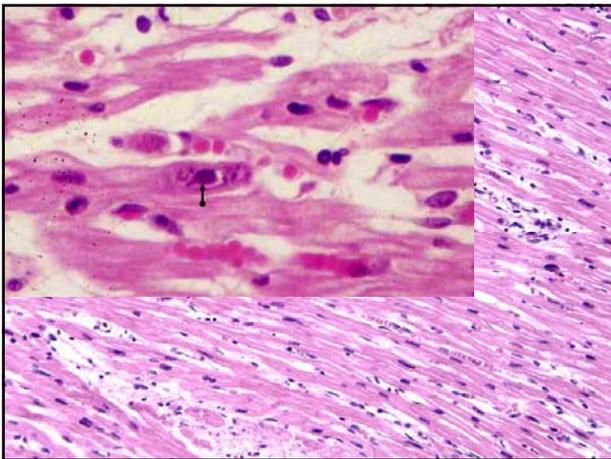
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## Necrose do Miocárdio

### ⇒ Infecciosa

#### ➤ Protozoária

*Trypanosoma cruzi*  
*Toxoplasma gondii*  
*Neospora caninum*  
*Sarcocystis* spp

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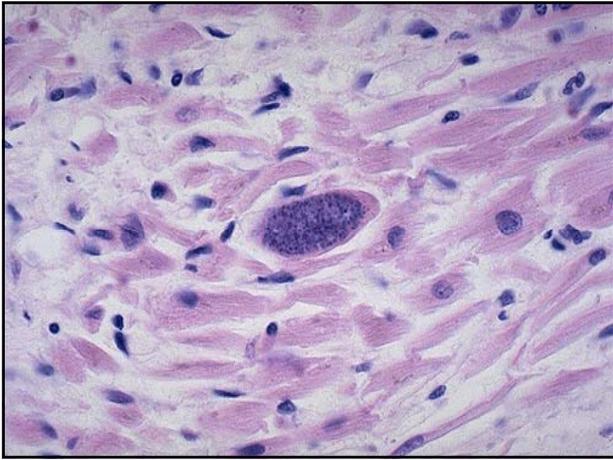
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## Necrose do Miocárdio

⇒ **Tóxica**

▶ **Glicosídeos Cardíacos**

*Nerium oleander*  
*Cassia occidentalis*  
*Ateleia glazioviana*  
*Kalanchoe spp*

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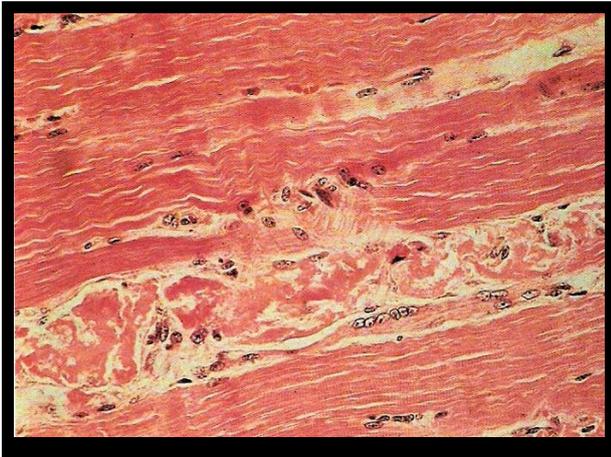
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## Necrose do Miocárdio

⇒ **Parasitária**

- **Cisticercose**
  - Taenia solium*
  - T. saginata*
  - T. ovis*

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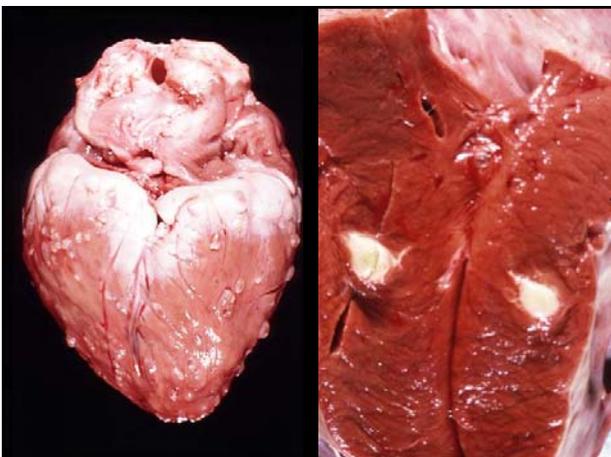
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## Cardiomiopatias nos Cães

### ⇒ Cardiomiopatia Hipertrófica

### ⇒ Cardiomiopatia Dilatada ou Congestiva

Raças de Grande Porte: 

- Boxer
- Dogue Alemão
- Pastor Alemão
- São Bernardo

Outras: 

- Cocker Spaniel Inglês
- Doberman Pinscher

**Etiologia:** Deficiência de Carnitina  
(cofator essencial para oxidação de ácidos graxos)

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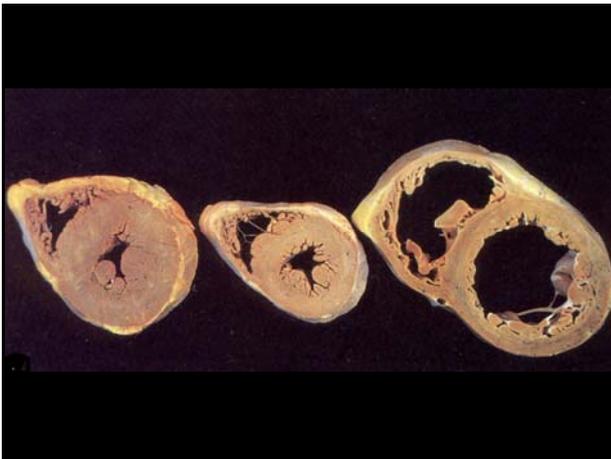
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## Cardiomiopatias nos Gatos

### ⇒ Cardiomiopatia Dilatada ou Congestiva

#### Etiologia:

➢ Deficiência de taurina (amino-ácido encontrado em alta concentração no miocárdio e retina)

### ⇒ Cardiomiopatia Hipertrófica

#### Etiologia:

- Desconhecida (focos)
- Hipertireoidismo
- Hereditária nos Persas

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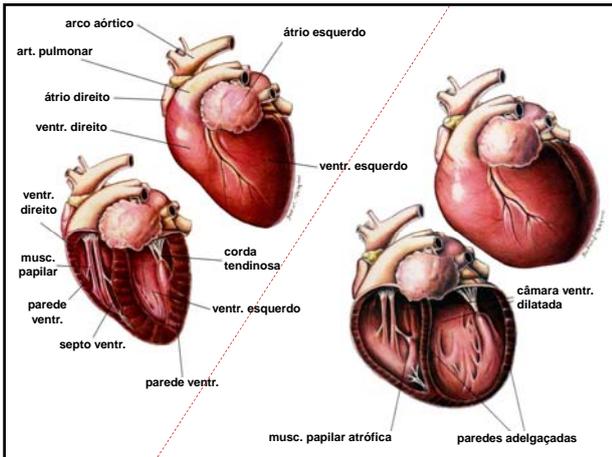
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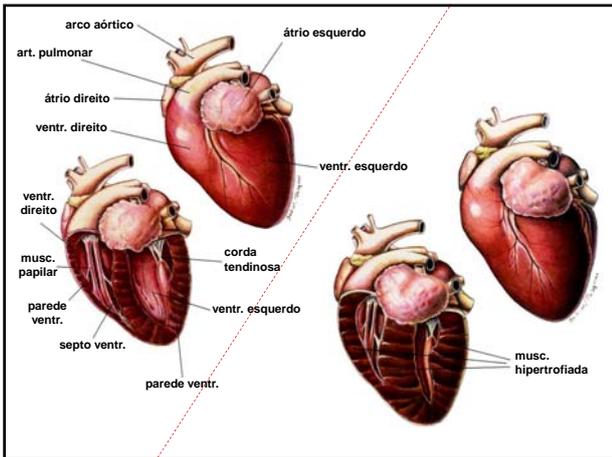
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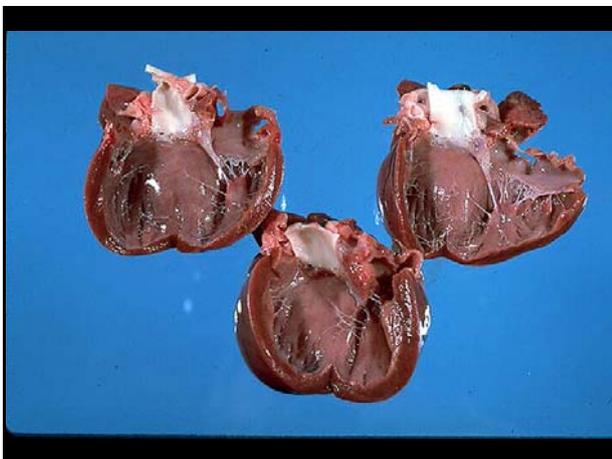
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**Neoplasias que  
Acometem o Coração**

- **Hemangioma**
- **Hemangiossarcoma**
- **Rhabdmioma**
- **Rhabdomiossarcoma**
- **Linfoma**

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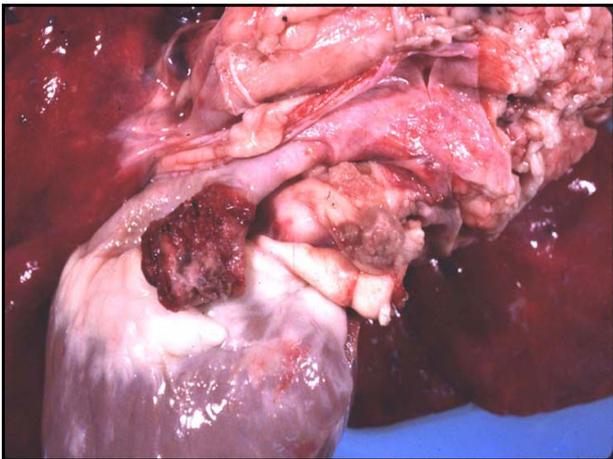
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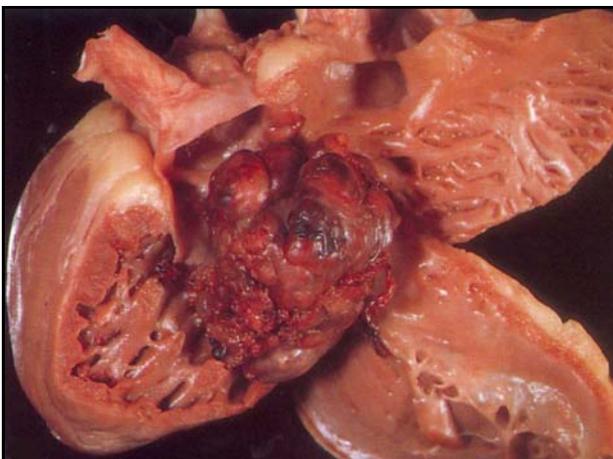
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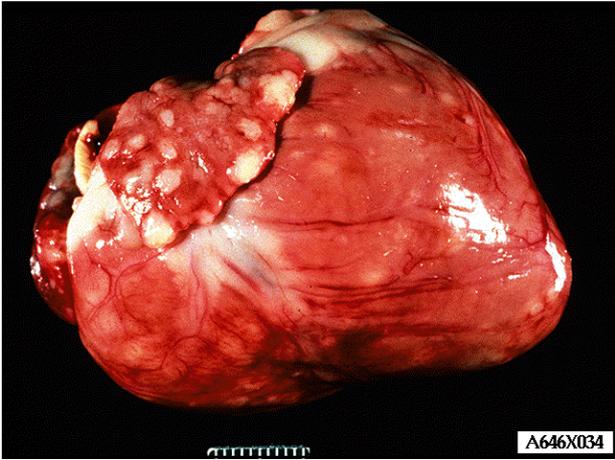
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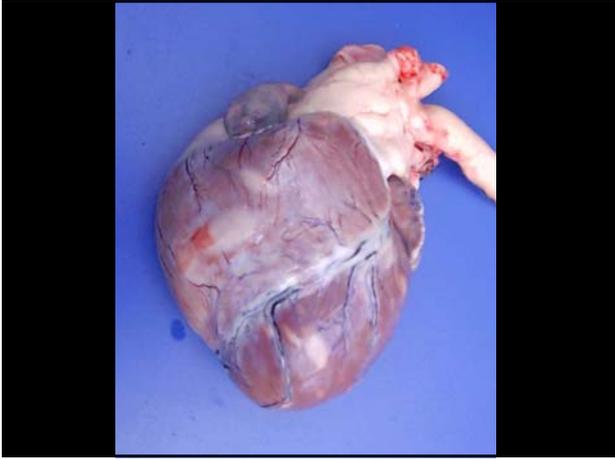
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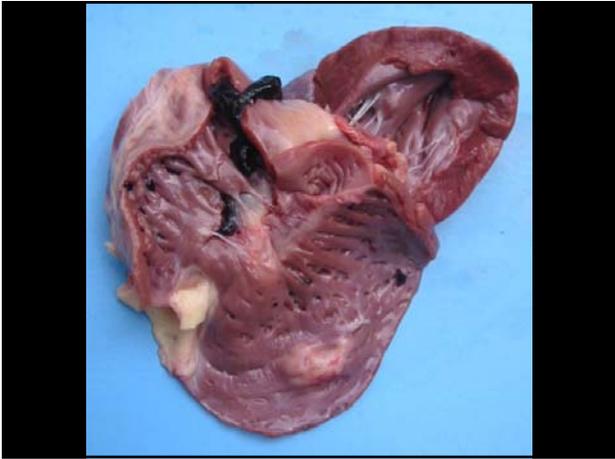
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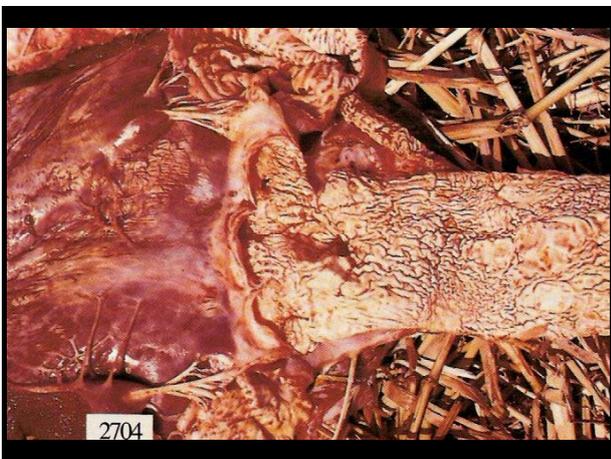
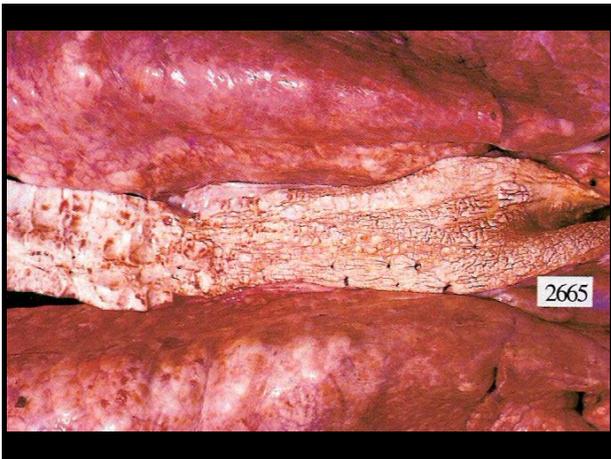
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# Alterações das Artérias

## ➤ Alterações Degenerativas

⇒ Mineralização

*Solanum malacoxylon*



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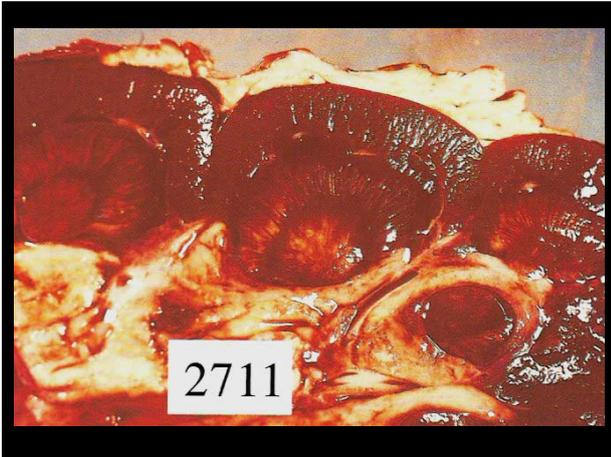
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## Alterações das Artérias

➤ **Rupturas e Aneurismas**

⇒ **Aorta**      *Spirocerca lupi* (cães)

⇒ **Aorta**      Eqüinos em exercício

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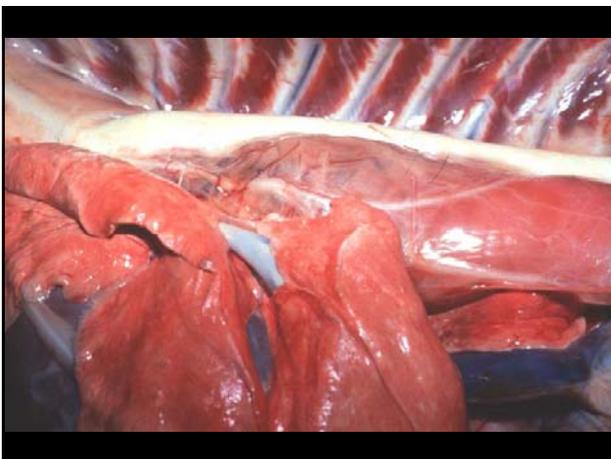
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**Alterações das Artérias**

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➤ **Tromboembolismo**

**Trombose** *Triáde de Virchow*

**Trombose da Art. Mesentérica Cranial em Equinos**  
⇒ *Strongylus Vulgaris*

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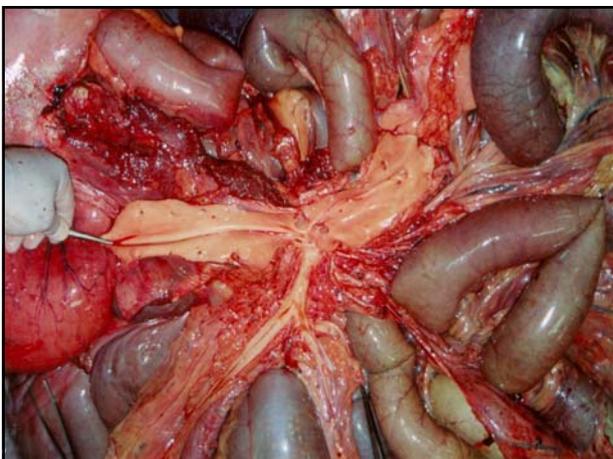
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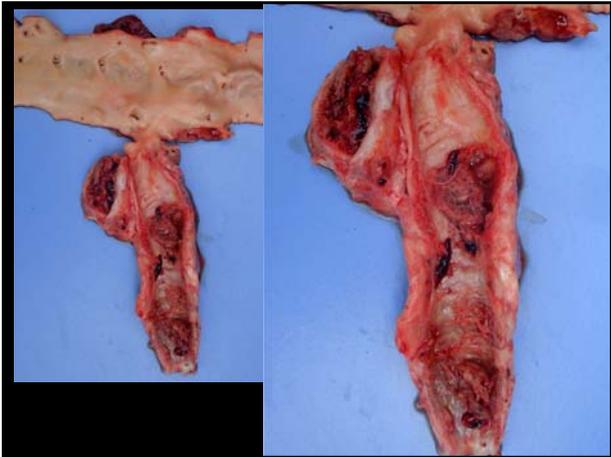
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## Alterações das Artérias

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➤ **Tromboembolismo**

**Trombose** *Triade de Virchow*

**Trombose da Artéria Pulmonar em Cães**  
 ⇒ *Dirofilaria immitis*

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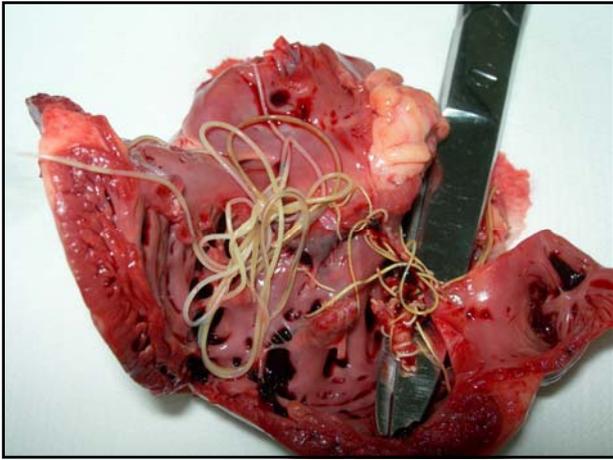
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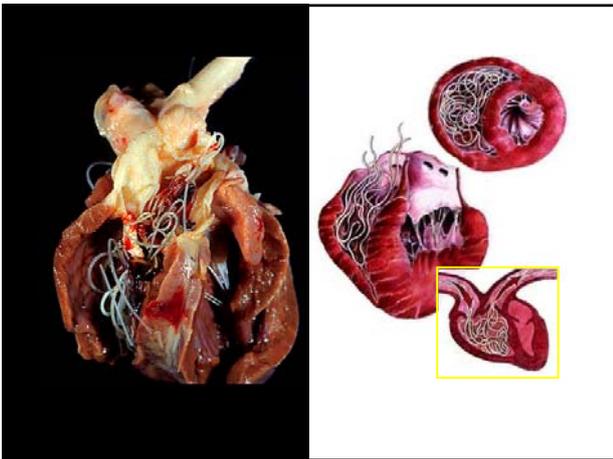
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**Alterações das Veias**

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- **Desvio Porto-Cavas**  
⇒ Congênitos/Adquiridos
- **Inflamação**  
⇒ Flebite  
⇒ Onfaloflebite

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**Neoplasias Vasculares**

- Hemangioma
  - Hemangiossarcoma
  - Hemangiopericitoma

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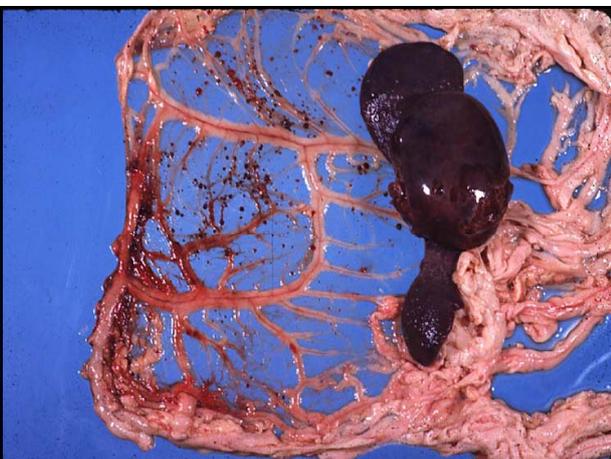
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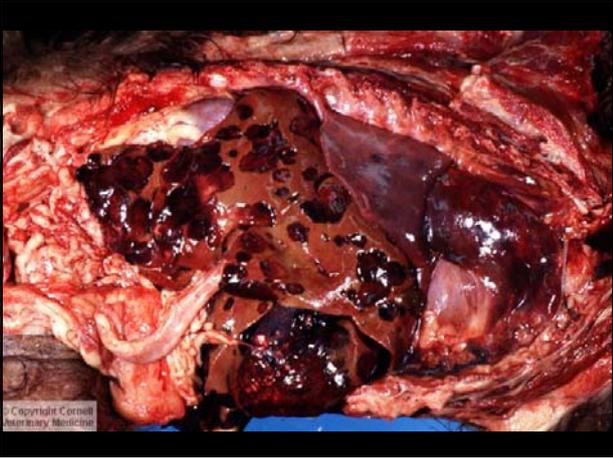
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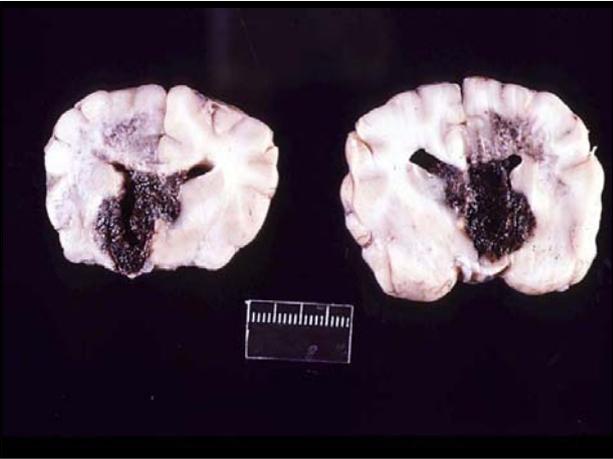
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fontes.

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