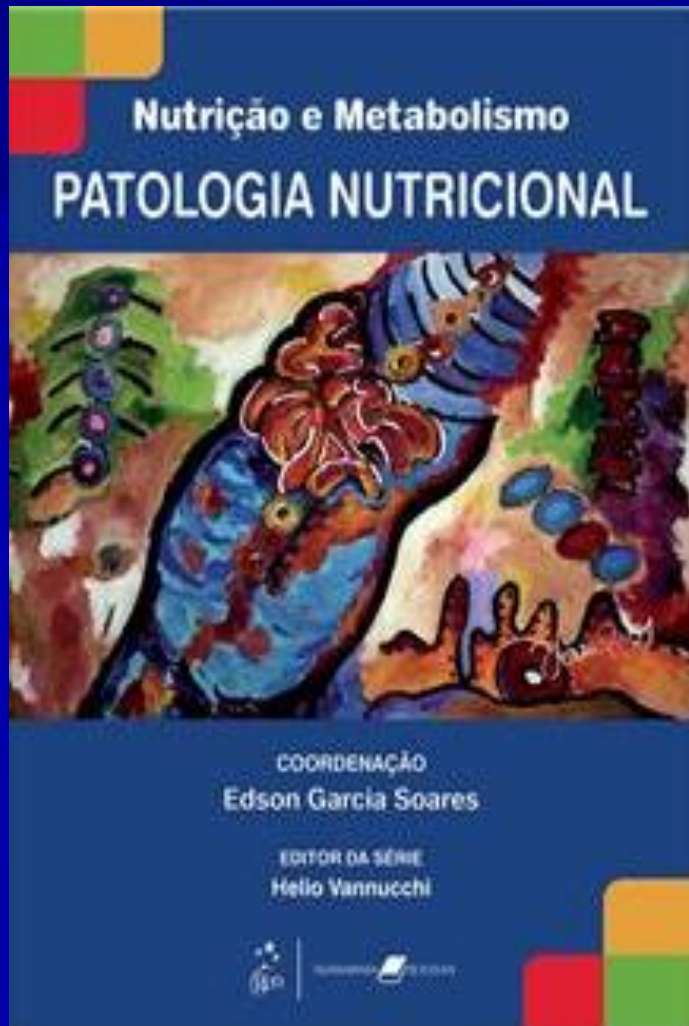




Universidade de São Paulo  
Faculdade de Medicina de Ribeirão Preto  
Departamento de Patologia e Medicina Legal



# Curso de Patologia Geral e Nutricional

2020

Edson Garcia Soares  
FMRP-USP

# Alterações metabólicas

## Alterações metabólicas reversíveis

Alteração hidrópica

Alteração glicídica

Alteração lipídica

Alteração protéica

(alteração hialina)

Corpúsculo de Russel

Corpúsculo de Mallory

Corpúsculo de Councilman

Alteração hialino-goticular

Arteriosclerose

Alteração glicoprotéica

Mucóide

Mucínosa

Amiloidose

Alteração pigmentar

Exógena

Antracose

Silicose

Endógena

Lipofuscina

Melanina

Hemosiderina

Bilirrubina

Alteração mineral

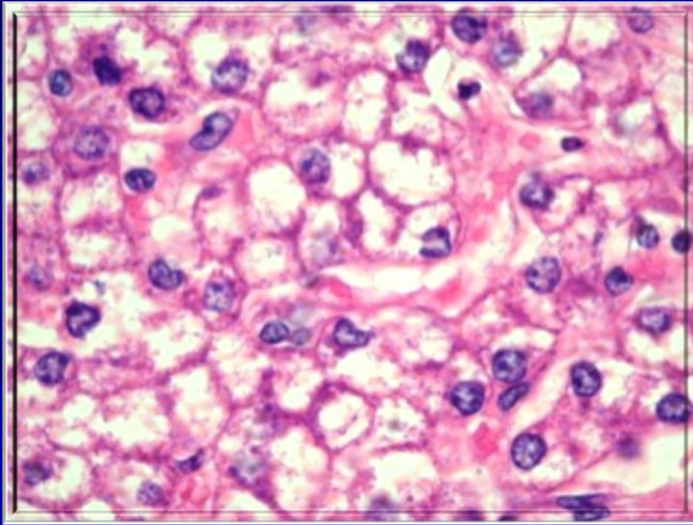
Calcificação

Distrófica

Metastática

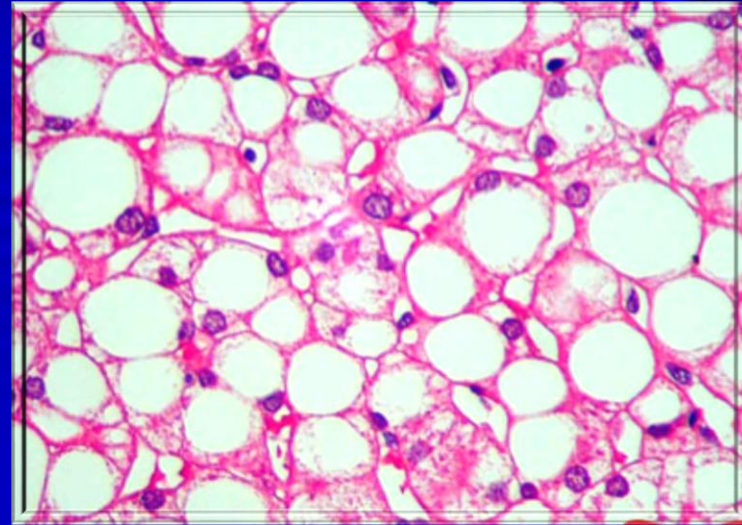
# Alterações metabólicas

## Alteração hidrópica em hepatócitos



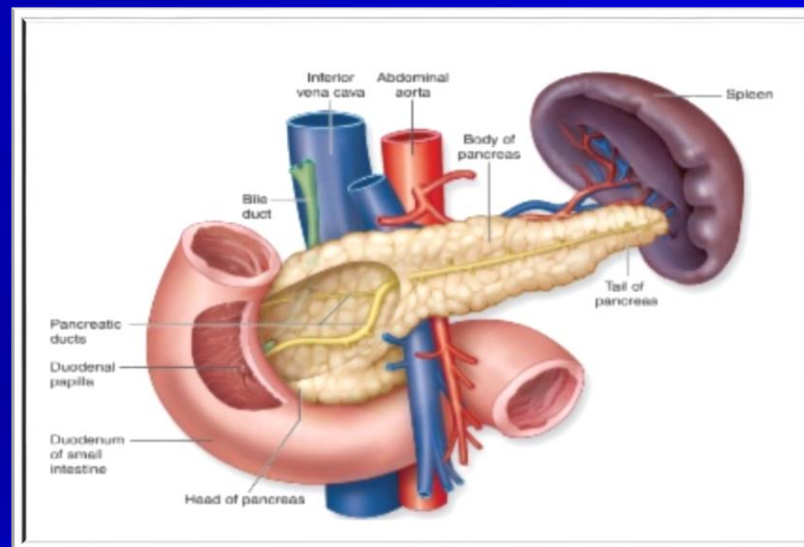
<http://pt.slideshare.net/marianadgd/degenerao>

## Alteração lipídica (esteatose)



[www.hepcentro.com.br](http://www.hepcentro.com.br)

## Alteração glicídica (diabetes)



[nandabooks.blogspot.com](http://nandabooks.blogspot.com)

# Alterações metabólicas

## Alteração mucoide



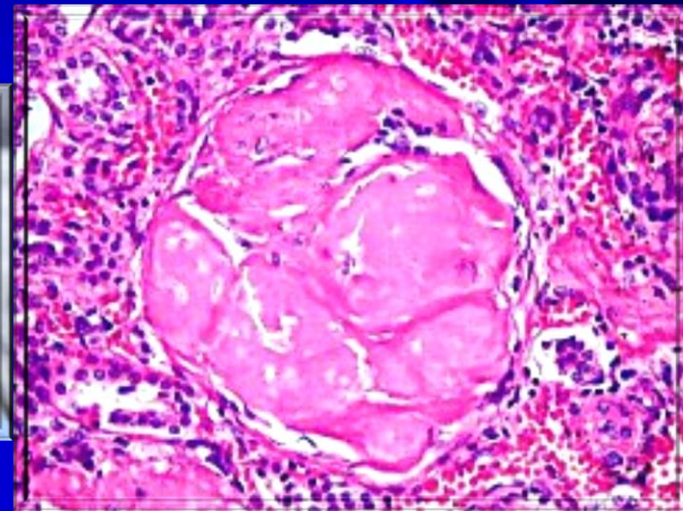
<http://anatpat.unicamp.br/lamdegn4.html>

## Alteração mucinosa



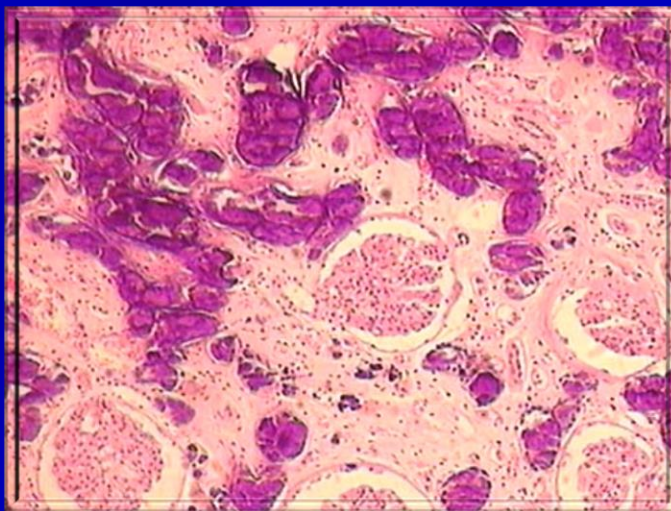
[www.babymoon.es](http://www.babymoon.es)

## Amiloidose renal



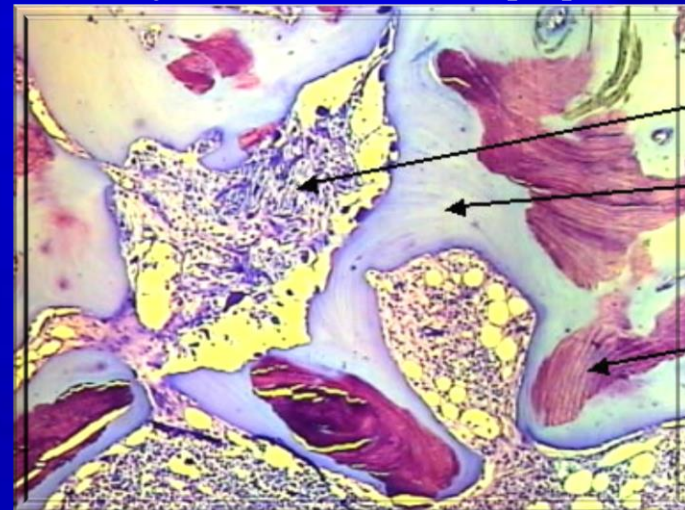
[anatpat.unicamp.br](http://anatpat.unicamp.br)

## Calcificação distrófica



<http://anatpat.unicamp.br/lamdegn6b.html>

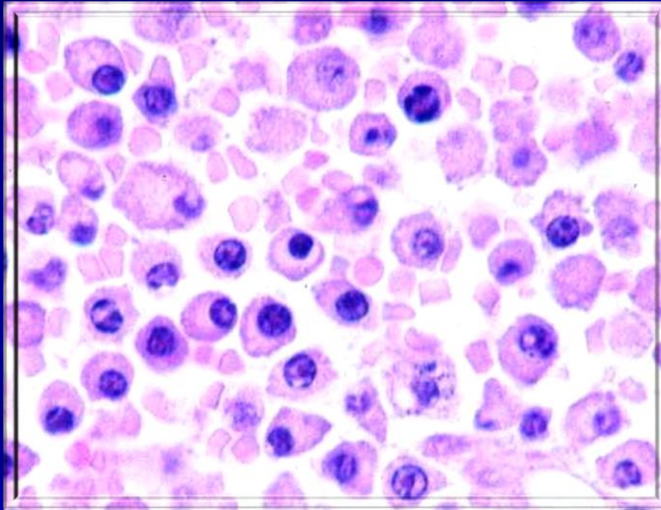
## Calcificação metastática no hiperparatireoidismo



[www.sbn.org.br](http://www.sbn.org.br)

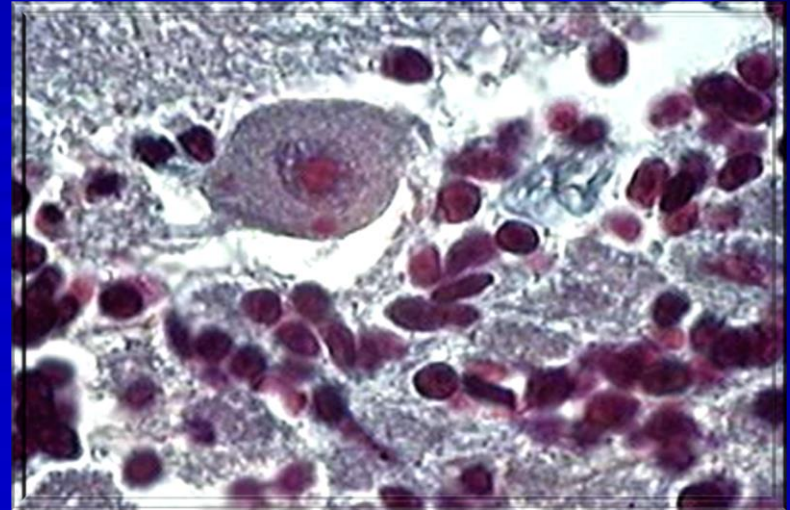
# Alterações metabólicas

Corpúsculo de Russell



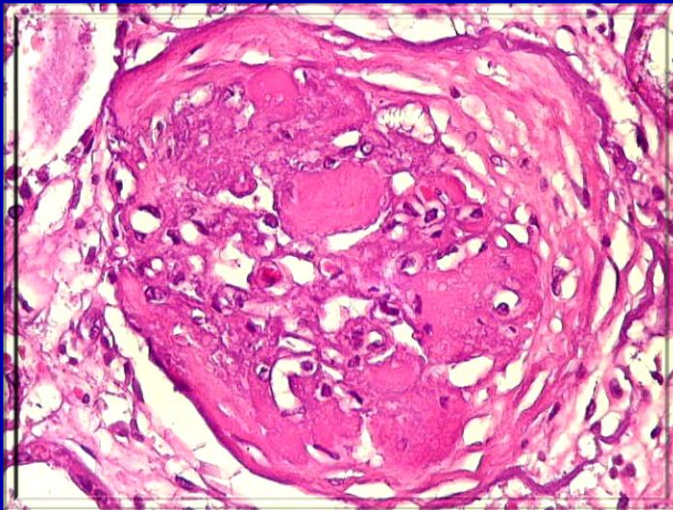
<http://www.med.ufro.cl/Recursos/Patologia/CursoPatologiaGeneral/Patologia2001/Cd/paso3d.htm>

Corpúsculo de Councilman



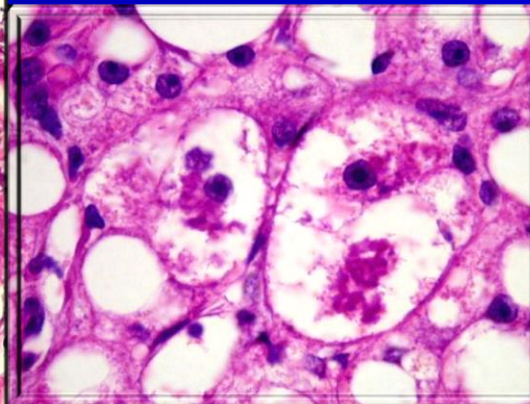
[www.misodor.com](http://www.misodor.com)

Alteração hialina glomerular



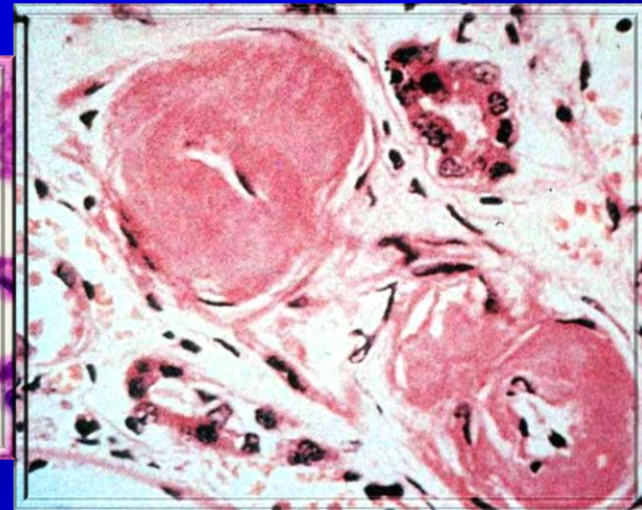
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Corpúsculo de Mallory



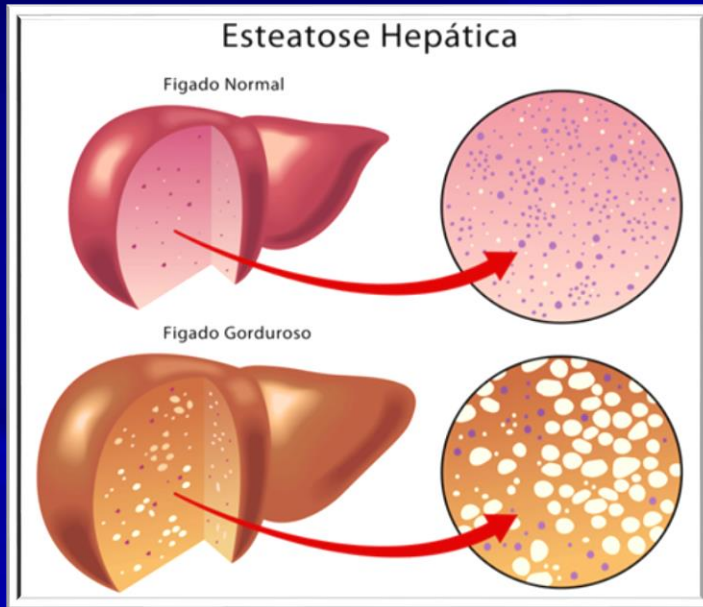
[anatpat.unicamp.br](http://anatpat.unicamp.br)

Arteriolosclerose hialina

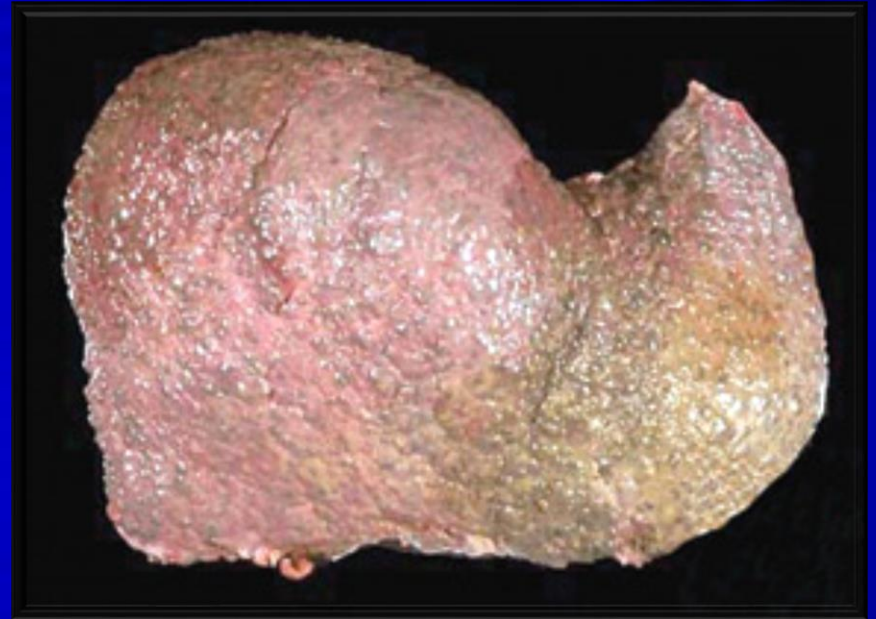


<http://slideplayer.com.br/slide/3130703/>

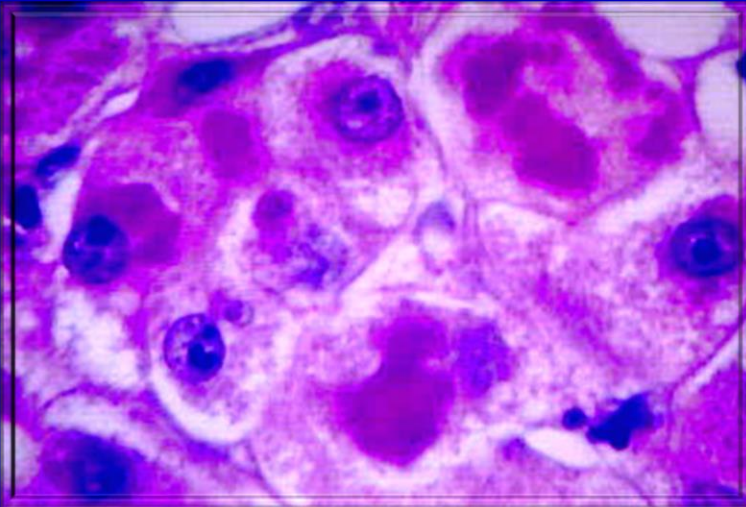
# Alterações metabólicas



[http://www.ocponline.com.br/materia/colunistas/luciana-hasse-krepsky/7267-esteatose-hepatica-voce-pode-ter-e-nem-sabe-.html#.UMJr\\_oNX2Fk](http://www.ocponline.com.br/materia/colunistas/luciana-hasse-krepsky/7267-esteatose-hepatica-voce-pode-ter-e-nem-sabe-.html#.UMJr_oNX2Fk)



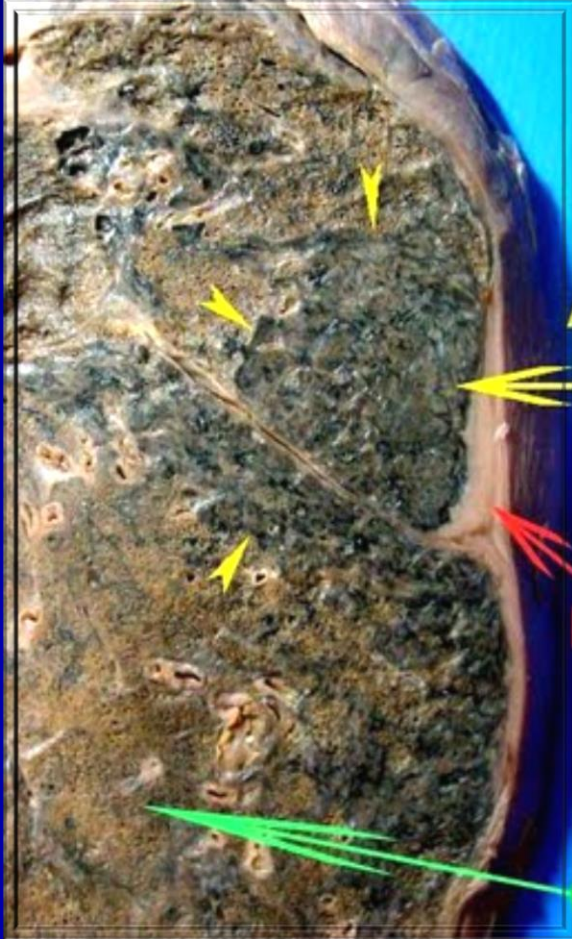
<http://identidademedicac.blogspot.com.br/>



<http://dc95.4shared.com/doc/qkMFYA9N/preview.html>

# Alterações metabólicas

## Silicose e antracose



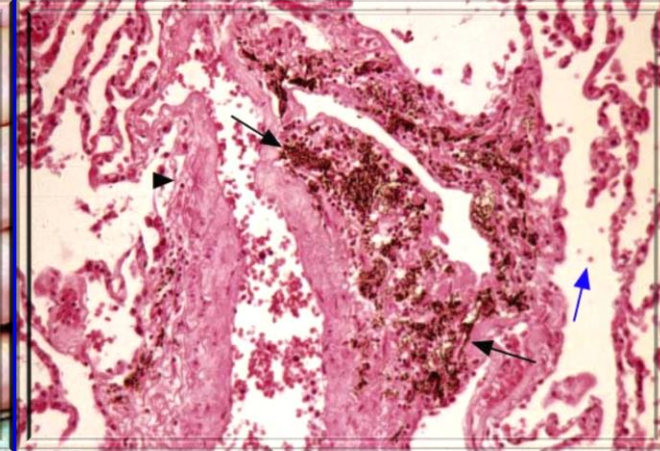
<http://museugeologicodabahia.blogspot.com.br/2012/05/silicose-mapa-da-exposicao.html>

## Lipofuscina



[ladytattah.blogspot.com](http://ladytattah.blogspot.com)

## Hemossiderina



[http://www.uftm.edu.br/patge/index.php?option=com\\_content&view=article&id=1501:n3957mi05&catid=110:autn3957](http://www.uftm.edu.br/patge/index.php?option=com_content&view=article&id=1501:n3957mi05&catid=110:autn3957)

## Bilirrubina



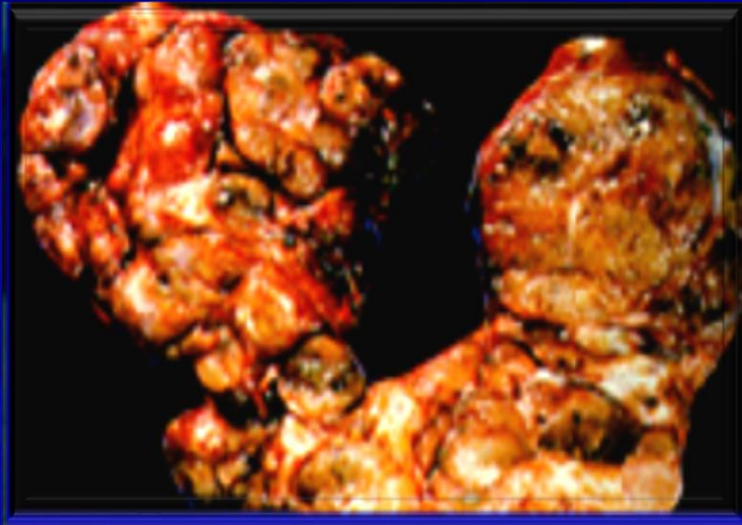
[www.pucpr.br](http://www.pucpr.br)

## Melanina



<http://www.notapositiva.com/pt/trbestbs/biologia/10albinismo.htm>

# Alterações metabólicas



Rubin & Farber 1999

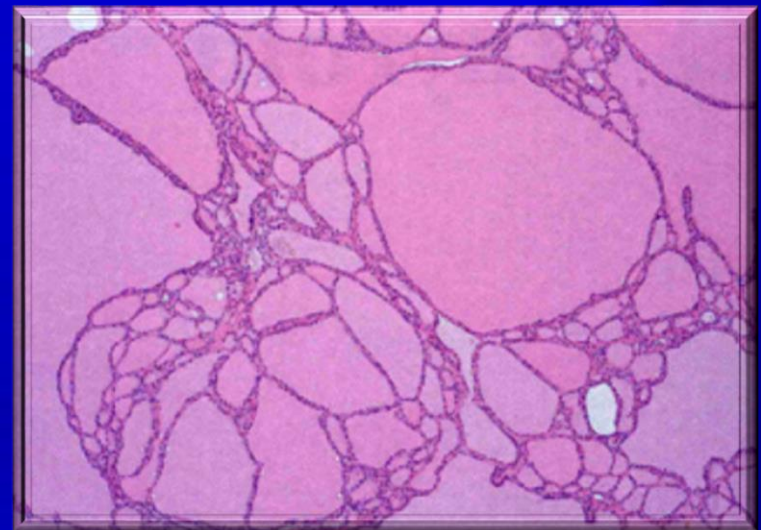


Wenig, Heffess, Adair, 1997



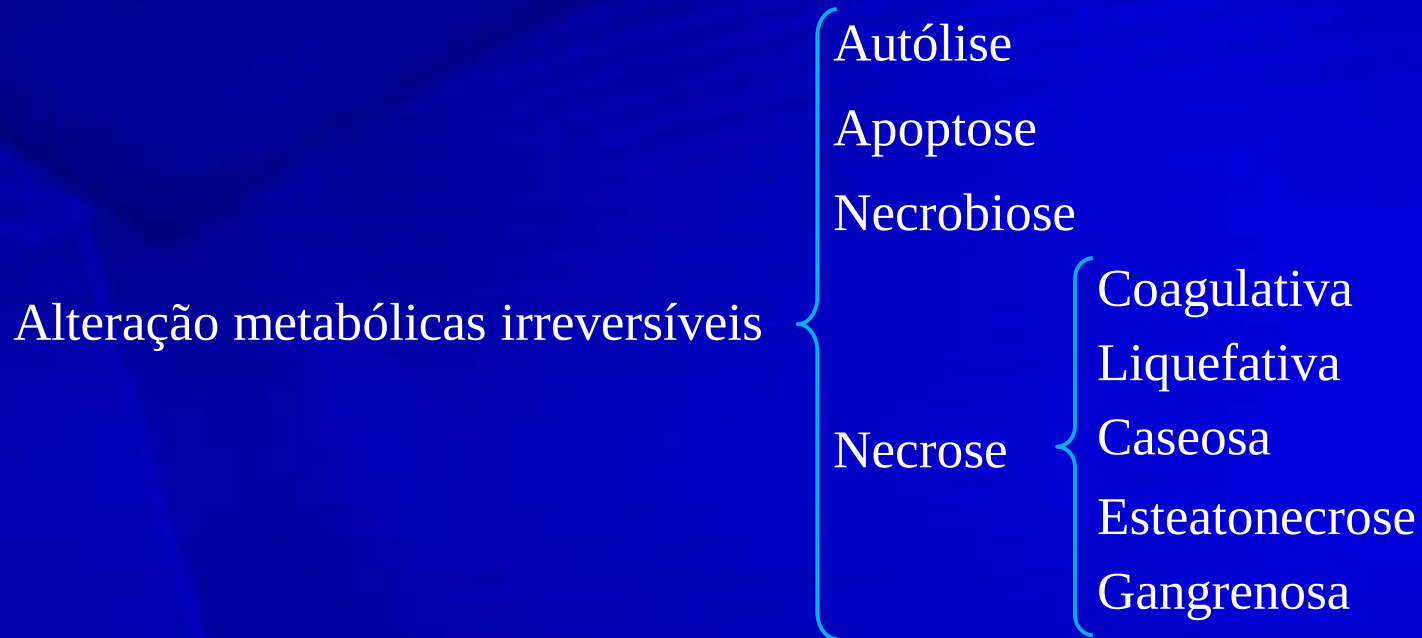
Rubin & Farber 1999

(H&E)

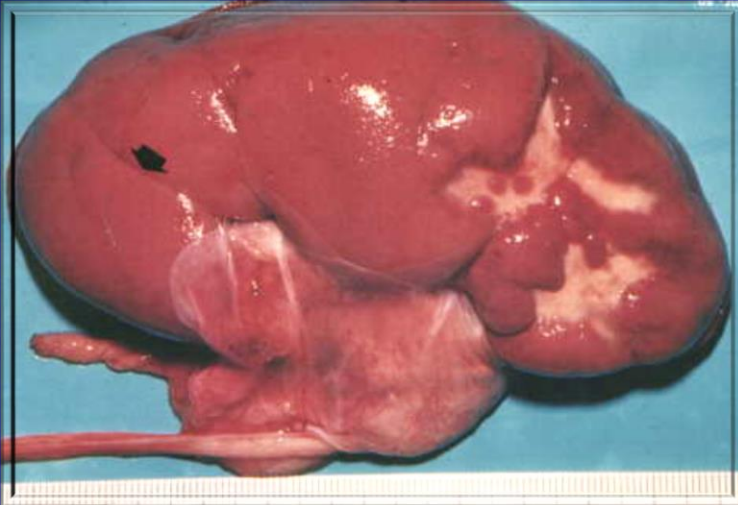


Takahashi, 2000

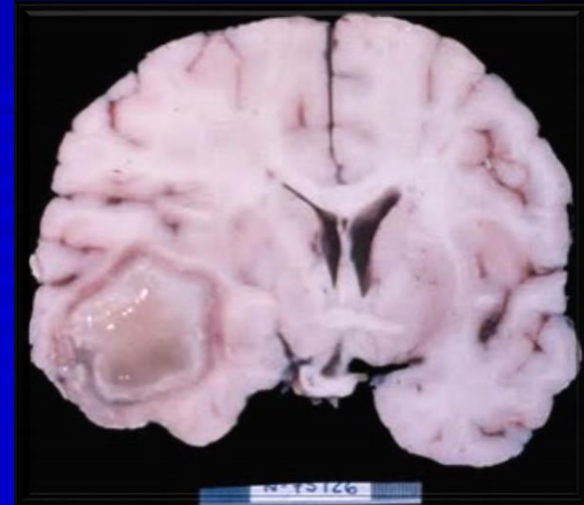
# Alterações metabólicas



# Alterações metabólicas



[http://www.uftm.edu.br/patge/index.php?option=com\\_content&view=article&id=109:mac-0031&catid=43:macroscopia-1-patologia-celula-c](http://www.uftm.edu.br/patge/index.php?option=com_content&view=article&id=109:mac-0031&catid=43:macroscopia-1-patologia-celula-c)



<http://patologiana221.blogspot.com/2009/09/infarto-cerebral-um-tipo-de-necrose.html>



[http://www.uftm.edu.br/patge/index.php?option=com\\_content&view=article&id=119:mac-0021&catid=43:macroscopia-1-patologia-celula-c](http://www.uftm.edu.br/patge/index.php?option=com_content&view=article&id=119:mac-0021&catid=43:macroscopia-1-patologia-celula-c)



[http://www.4shared-china.com/all-images/53\\_1k5os/fotos.html](http://www.4shared-china.com/all-images/53_1k5os/fotos.html)



<http://doutormadrid.blogs.sapo.pt/14059.html>