

Solved By ; M.AMIR

Roll num ; F18-076

3rd year MBBS

**3rd YEAR MBBS
GENERAL PATHOLOGY
OBJECTIVE STRUCTURED PERFORMANCE EVALUATION (OSPE)**

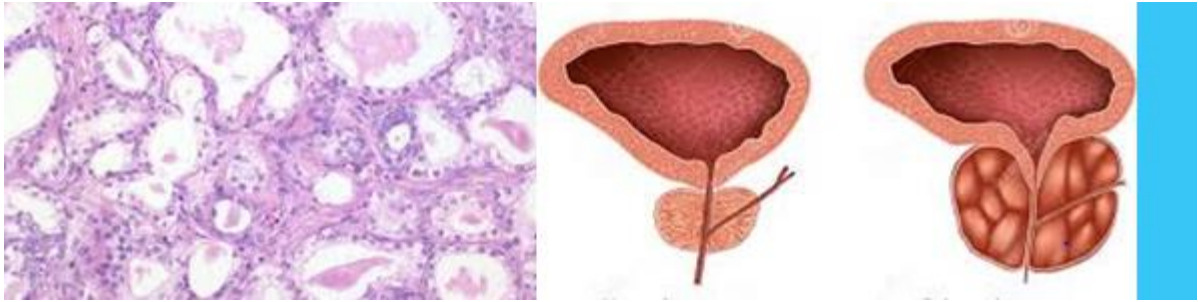
UNOBSERVED STATION

Solved by Muhammad amir f18-076

For Candidate:

Marks 04

Time Allowed 04 min



- a- What is the diagnosis 1
- b- Define it. 1
- c- What are the causative factors? 1
- d- Give one more example of this condition. 1

Ans

1)Hyperplasia

2)inc in no of cells in organ and tissue

3)hormones

Growth factor

4)liver hyperplasia and breast hyperplasia

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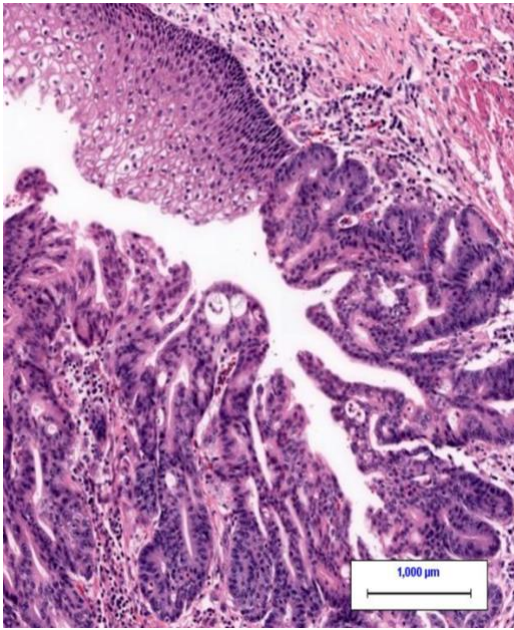
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This is a photograph taken from esophageal biopsy of a 45 years old man presented with heart burn and dyspepsia. Carefully examine the slide and answer the following questions.



- a- What is the diagnosis 1
- b- Define it, 1
- c- Give two more examples of this condition. 2

Ans

1)metaplasia

2)reversible change in which one cell type is replaced by another cell type

3)esophagus

Cervix

Gastric reflex

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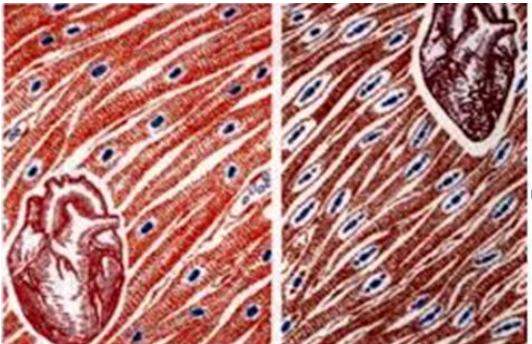
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Time Allowed 04 min

This is a photomicrograph taken from heart of a 70 year old man during autopsy.

Carefully examine the slide and answer the following questions.



- a- What is the diagnosis 1
- b- Name the nature of the pigment. 1
- c- Name two more intracellular accumulations. 2

Ans

1)Lipofuscin pigment in cardiac muscle

2)endogenous pigment(polymer of lipid and protein)

3)protein accumulation

Lipid accumulation

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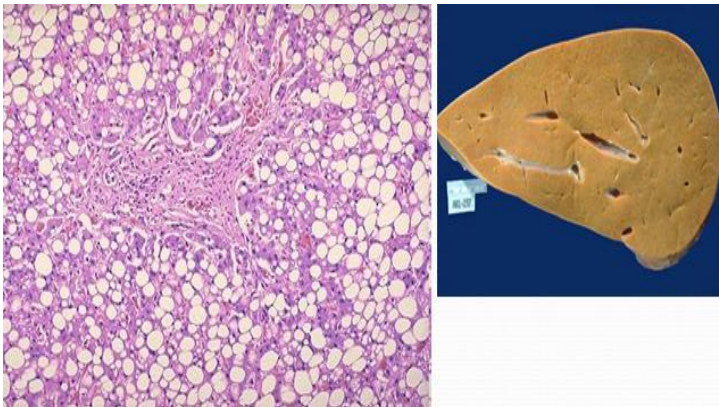
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This is a photomicrograph taken from a 40 years old alcoholic man,



- a- What is the diagnosis 1
- b- Explain the condition of liver on gross and microscopic examination. 2
- c- What is the nature of this substance accumulated. 1

Ans

1)fatty liver(steatosis)

2)fatty change

3)TAGS

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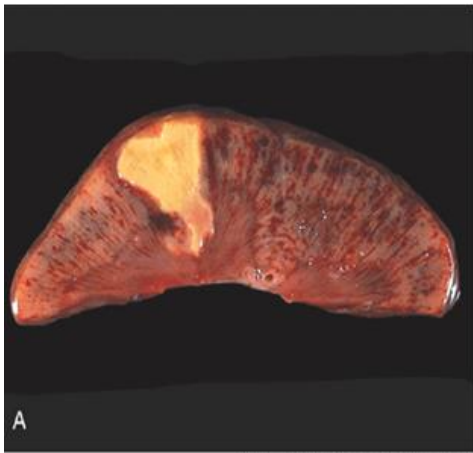
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For Candidate:

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This is the photomicrograph showing gross appearance of spleen, with blockage of splenic artery.



- a- What is the nature of this lesion. 1
- b- Describe the gross appearance 1
- c- What will be the microscopic picture of this lesion 2

Ans

1)coagulative necrosis

2)wedge shape yellow infarct

3)cellular outline with loss of nuclei

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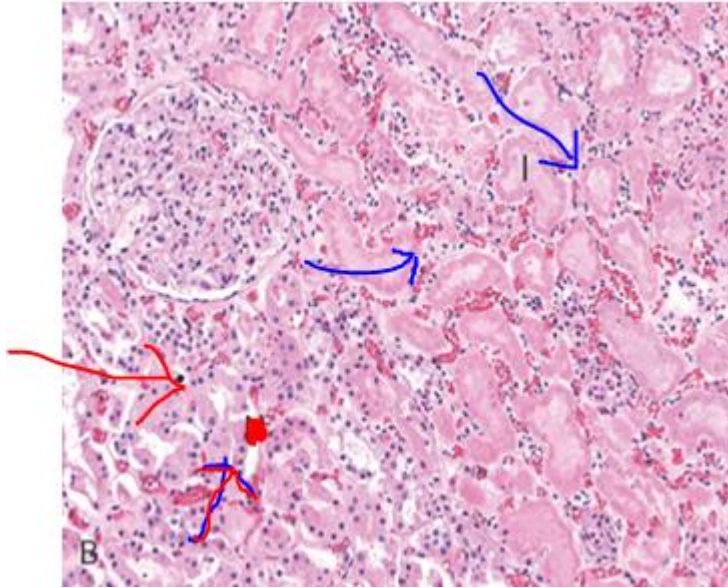
UNOBSERVED STATION

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This is the photomicrograph of kidney because of renal artery stenosis.



- a- What is the diagnosis 1
- b- What are these blue and red arrows depicting. 2
- c- What are two other types of this lesion 1

Ans

- 1) Infarct
- 2) B=necrotic cells in infarcts showing loss of nuclei
R=normal kidney
- 3)i.white infarcts
ii.red infarcts

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This is the photomicrograph of a foot of 70 years old diabetic man.



- a- What is the diagnosis 1
- b- What is the basic cause of this kind of lesion. 1
- c- What are its two types 2

Ans

1)Gangrene

2)ischemia,diabetes

3)dry

Wet

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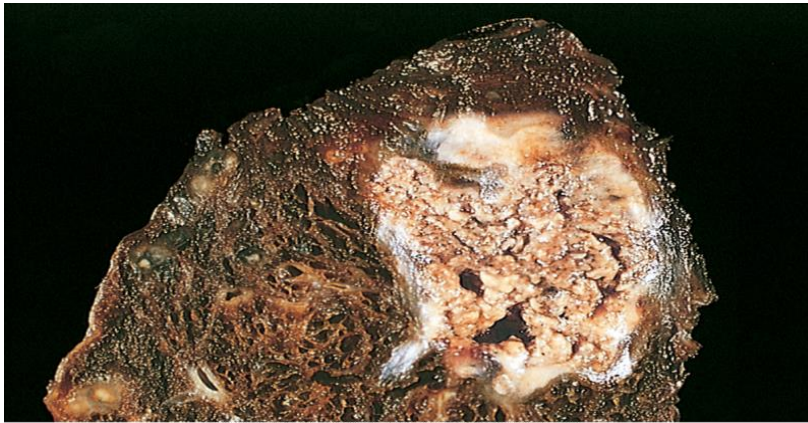
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This is the gross appearance of a lung of a man who was living in closed barak. He died and autopsy was done. His lung had necrosis.



Kumar et al: Robbins & Cotran Pathologic Basis of Disease, 8th Edition.
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- a- What is the diagnosis 1
- b- What is the nature of this cheesy material.
- c- What are other types of similar kind of lesion.

Ans

1)caseous necrosis

2)collection of lysed cells and granular debris enclosed within inflammatory borders

3)tuberculosis

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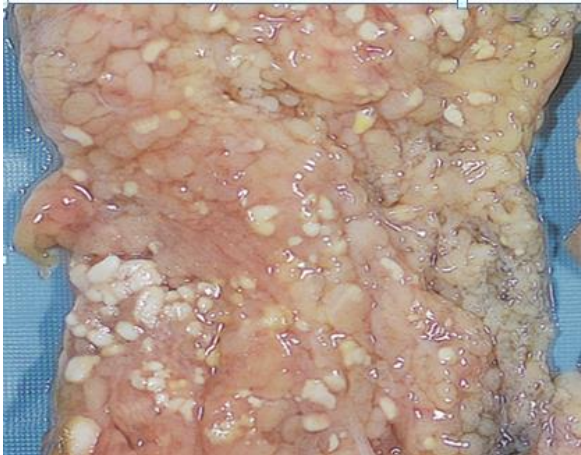
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This is a photomicrograph of omentum of a 45 years old man with blow to his abdomen.



- a- What is this lesion 1
- b- What are these white areas 1
- c- What are other different types of same kind of lesion. 2

Ans

1) Fat necrosis

2) foci of fat necrosis with calcium soap formation (saponification)

3) pancreas, mesentery

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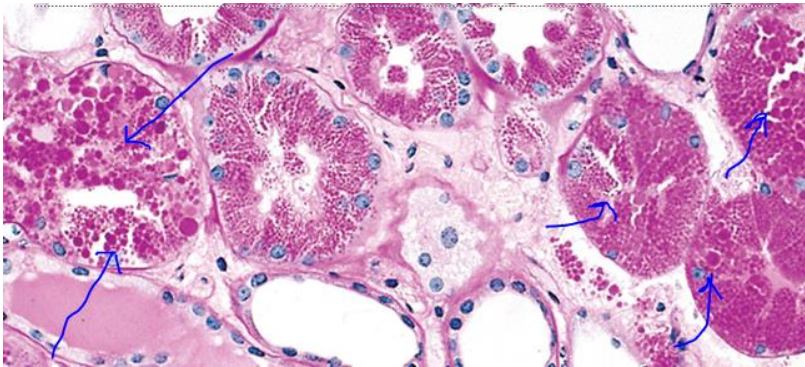
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This is a photomicrograph of kidney showing tubules of variable sizes with pink coloured granular material.



- a- What is the diagnosis
- b- What is the nature of this lesion
- c- What are two other intercellular accumulations?

Ans

1) Reabsorption droplets in renal tubular epithelium

2) protein accumulation

3) melanin

Lipid and glycogen deposition