

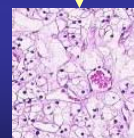
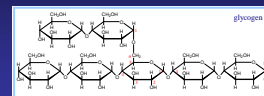
Glycogen Metabolism and its significance in VHL-deficient tumors

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Cancer Center

1

Glycogen accumulation in clear-cell Renal Cell Carcinoma (ccRCC)

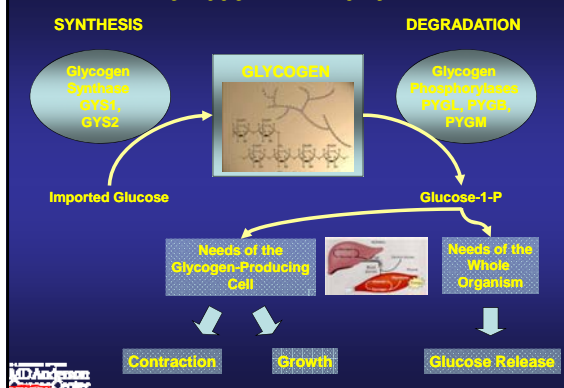


Clear-cell phenotype

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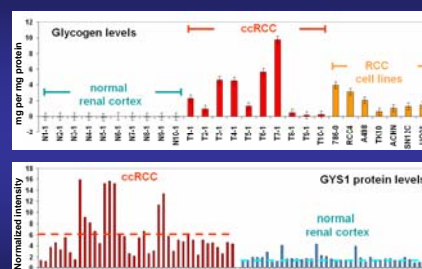
2

GLYCOGEN METABOLISM



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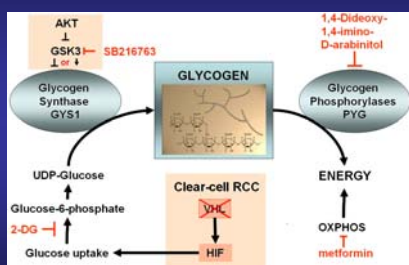
Increased levels of glycogen and GYS1 in ccRCC



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Proposed Model of Glycogen Metabolism in clear-cell Renal Cell Carcinoma (ccRCC)

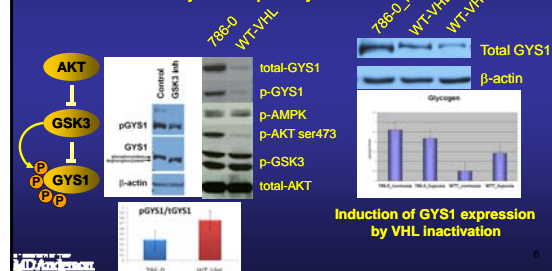


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Mechanisms of induction of glycogen production in VHL-deficient cancer cells

Activation of GYS1 by the AKT pathway



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