**Question for optional course – fibrotic disease**

* + - 1. Which cell is the main mediator of myocardial fibrosis?
      2. Compensatory reactive cardiac fibrosis predominantly develops as a result of:
      3. Which components are expressed in excess once cardiac myofibroblasts are activated?
      4. Myocardial replacement fibrosis occurs as a result of:
      5. Which of the following cellular changes defines cardiac fibroblast plasticity?
      6. The most important clinical consequence of irreversible end-stage cardiac fibrosis is:
      7. What are trigger factors of myocardial fibrosis?
      8. What is the main growth factor important in myocardial fibrosis?
      9. What factors has anti-fibrotic effects and inhibits myocardial fibrosis?
      10. What is the feature of galectin-3 in myocardial fibrosis?
      11. Which pathogenetical chain is characteristic for liver cirrhosis?
      12. Which liver parenchymatous cells are most affected in liver cirrhosis?
      13. Which liver cells are transformed into myofibroblast and synthetized collagen fibbers, leading to fibrosis?
      14. Which liver cells are activated primary after hepatocytes injury and realize growth factors and promote further fibrosis?
      15. What is the main mechanism by which liver cirrhosis causes portal hypertension?
      16. Which are the consequences of liver failure in cirrhosis?
      17. What are the consequences of hypoxic liver injury?
      18. What is sinusoidal capillarization in liver fibrosis?
      19. What are the steps in liver cirrhosis development?
      20. Which features have activated hepatic stellate cells - myofibroblasts?
      21. What is the role of ethanol in the pathogenesis of pancreatic fibrosis?
      22. What is the role of ethanol in the pathogenesis of pancreatic fibrosis?
      23. What is the role of ethanol in the pathogenesis of pancreatic fibrosis?
      24. What is the role of M2 macrophages in the pathogenesis of pancreatic fibrosis?
      25. What is the role of stellate cell in the pathogenesis of pancreatic fibrosis?
      26. What is the role of stellate cell in the pathogenesis of pancreatic fibrosis?
      27. What is the role of stellate cells in the pathogenesis of pancreatic fibrosis?
      28. What is the role of stellate cells in the pathogenesis of pancreatic fibrosis?
      29. What is the pancreatic fibrosis inductor?
      30. What factor triggers the transformation of pancreatic fibroblasts into myofibroblasts?