Human FFPE Liver Pathology Assessment -- University of Minnesota Human TMC

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Cellular Senescence Network (SenNet) Method Development Community

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Protocol status: Working
We use this protocol and it's working

ABSTRACT

Purpose: Describe the parameters evaluated per FFPE human liver sample received/obtained for the University of Minnesota SenNet TMC. These parameters are used to evaluate whether the tissue can be characterized as "normal" vs "diseased" prior to further protocols.

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Keywords: Pathology, Liver, Human, Sample evaluation, UMN, UMinnesota, University of Minnesota, Niedernhofer, Tissue, FFPE

1 Prepare two slides with serial sections of the FFPE liver sample -- 1 section per slide.

2 Section A -- Stain with H&E.
Section B -- Stain with trichrome.

3 Mount coverslip.

4 Schedule evaluation with pathologist (ideally with a strong liver background).

5 Request assessment and record of the following scores:
1. Steatosis, macro %
2. Steatosis, score (0, 1, 2, 3)
3. Ballooning (0, 1, 2)
4. Inflammation (0, 1, 2, 3)
5. Fibrosis (0, 1a, 1b, 1c, 2, 3, 4)
6. Any comments on preservation/quality of the sample
7. Other/Additional identifications (e.g. the presence of NASH or other disease states)

6 Record these values and consider them prior to moving the sample forward for experimentation processing.

7 Inventory and archive H&E and trichrome stains at room temperature -- Can be scanned if future images are required.

Inventory and archive FFPE blocks at room temperature.