

Propositions associated with the thesis

## **„Contrast-enhanced ultrasound in focal liver lesions“**

CEUS is less suitable as a stand alone imaging modality in hepatocellular adenoma, MRI with a liver-specific contrast agent should follow in a specialized liver center. *(this thesis)*

Point shear wave elastography does not improve FNH diagnosis. *(this thesis)*

Wash-out phenomenon – a sign of malignancy in 80% of hepatocellular carcinoma in cirrhotic livers – can also occur in a small percentage of hepatocellulaire adenoma, and rarely even FNH. *(this thesis)*

CEUS has very good ability to differentiate between liver metastasis and incidental benign focal lesions. *(this thesis)*

If you study economic impact of various diagnostic methods, try to add a treatment phase to the diagnostic one. *(this thesis)*

People engaged with receptive arts activities (going to museums, art galleries, exhibitions, the theatre concerts, or the opera) on a frequent basis (every few months or more) had a 31% lower risk of dying, independent of demographic, socioeconomic, health related, behavioural, and social factors. *(BMJ 2019;367:16377)*

Two conscious heuristics can help counteract the therapeutic illusion: “Before you conclude that a treatment was effective, look for other explanations.” And “If you see evidence of success, look for evidence of failure.” *(N Engl J Med 2016; 374:1203-1205)*

Although various forms of artificial intelligence have exceeded human performance, they lacked higher-level background knowledge and failed to establish associations like the human brain. *(World J Gastroenterol 2019 Feb 14, 25(6): 672-682)*

The systematic avoidance of biopsy for the diagnosis of hepatocellular carcinoma may have slowed progress in understanding the biologic features of these tumors. (*N Engl J Med* 2017; 377:756-768)

In a nationwide population with chronic viral hepatitis, use of low-dose aspirin was associated with a substantially lower risk of incident hepatocellular carcinoma and lower liver-related mortality than no use of aspirin (*N Engl J Med* 2020; 382:1018-1028)

Here, you see, it takes all the running you can do, to keep in the same place. If you want to get somewhere else, you must run at least twice as fast. (*The Red Queen*, in *L. Carroll, Alice Through the Looking Glass*)

There are no endings. If you think so you are deceived as to their nature. They are all beginnings. Here is one. (*H. Mantel, Bring Up the Bodies*, 2012).