

## Propositions

1. Quality improvement should not only target system-level factors, but also include interventions at the level of the surgeon. (this thesis)
2. In aggregate, data lend credence to the movement by some academic medical centers to impose minimum caseload requirements surgeons to perform liver and bile duct operations within their institutions. (this thesis)
3. Withholding resection can be considered in high-risk perihilar cholangiocarcinoma patients with positive N1 nodes during exploratory laparotomy; the small potential survival benefit of resection may not justify the risk of surgery. (this thesis)
4. Future research should focus on external validation of existing models in very large cohorts, rather than deriving new models in small cohorts. (this thesis)
5. It stands to reason that potential prognostication based on a small number of binary clinical predictors is limited. (this thesis)
6. Without examinations of models in different patient populations, and different geographic settings the true worth of new models cannot be accurately assessed. (Aaron P. Thrift, *Clinical Gastroenterology and Hepatology*, 2017)
7. The identification of novel molecular signatures in cholangiocarcinoma coupled with molecularly targeted therapy development provides the potential for developing novel therapeutic options in this intractable disease. (Andrew X. Zhu, *Best Practice & Research: Clinical Gastroenterology*, 2015)
8. Nam eloquentiam quae admirationem non habet nullam iudico. (Marcus Tullius Cicero, letter to Brutus, 48 B.C)
9. One special advantage of the skeptical attitude of mind is that a man is never vexed to find that after all he has been in the wrong. (Sir William Osler, *The Canada Lancet*, 1909)
10. Development of prediction models in retrospective datasets is akin to an algorithm developed today that predicts last season's Eredivisie victory by Feyenoord. Although potentially meritorious, its ability to pick this season's champion is unclear. (Adapted from Jason Harris, *Onclive.com*, 2017).
11. Er zijn maar heel weinig mensen niet gedwongen zich met een of andere vorm van zelfkweeling in leven te houden. (Willem Frederik Hermans, 1975)