

Management and Outcomes of Perioperative Care among European Diabetic Patients: (MOPED): A prospective observational, international cohort study

How to calculate the Comprehensive Complications Index (CCI) score for a patient

1. Go to https://www.assessurgery.com/about_cci-calculator/
2. Download Excel spreadsheet (icon that says “Excel Download”) halfway down on page
3. To calculate the CCI you must first know what complications the patient has had and classify them based on the Clavien-Dindo Scale. Please see: <https://www.assessurgery.com/clavien-dindo-classification/>
4. The Clavien Dindo scale is Graded 1-5 with further subdivisions of grade 3 and 4, the more serious the complication the higher the grade
5. Each complication is weighted: - grade 5 is the death of a patient. This is given a CCI score of 100
6. The CCI score allows you to input multiple complications – for example a patient might have a LRTI on Day 2, a DVT day 6 and Surgical site infection day 10. These are three separate complications
7. Each one needs to be graded using Clavien Dindo then put the grade into the spreadsheet and it will calculate the CCI for you
8. You can put in up to 20 post op complications per person (this should be more than necessary)

For useful information: On the same web page, go to Clavien Dindo Classification and from the drop down menu go to ‘FAQ’s/Scenarios’

References

Slankamenac K, Nederlof N, Pessaux P, et al. The comprehensive complication index: a novel and more sensitive endpoint for assessing outcome and reducing sample size in randomized controlled trials. *Ann Surg* 2014; 260(5):757-62; discussion 762-3.

Clavien PA, Vetter D, Staiger RD, et al. The Comprehensive Complication Index (CCI(R)): Added Value and Clinical Perspectives 3 Years "Down the Line". *Ann Surg* 2017; 265(6):1045-1050.