**Appendix 1. Questionnaire classification model (to be filled in by each hospital)**

***A . Automated selection of the patients in the study population***

1. What data sources are used to select patients that should be in the surveillance?

*Examples are operating records, nursing notes, administrative data or special modules of the electronic health record.*

1. Can you provide details?

*incl. specific codes used, in- and exclusion criteria, persons performing the selection etc…*

1. Are you able to distinguish primary operations from reoperations or non-primary operations? And if so, how do you make this distinction?

*e.g. specific codes used, criteria, persons performing the selection…*

1. Are you able to distinguish resections (removing a part of the large bowel) from other surgeries of the colon (like colostomies)?
2. What challenges do you encounter by selecting primary resections?

*Have you validated your selection? Do you miss certain patients or wrongfully include a fraction of your patients?*

***B. Clinical practice in all patients suspected for a surgical site infection***

*Please describe below how patients suspected of SSI are usually diagnosed/treated in your center*

**Microbiology**

1. Are cultures (almost) always obtained when a patient –after colorectal surgery- is suspected of SSI?
2. What sites/materials are cultured?
3. How often are cultures obtained under antibiotics?

**Antibiotics**

1. What is the empiric treatment regimen when an SSI is suspected (agent + duration)?
2. If an infection if proven, how long is the patient typically treated with the antibiotics?

**Readmissions**

1. By what specialty are patients re-admitted because of a suspected SSI? What are the codings for the wards or specialties?

**Re-operations**

1. Are patients re-operated when an SSI is suspected?
2. What procedure is typically performed (description or operating codes)?
3. By what specialty are re-operations performed? What are the codings for the wards?

**Radiology**

1. Will there be a radiology order for patients suspected for SSI? If yes: which? (description/codes)?
2. If there is anastomotic leakage, what will be (in most times) the treatment?

***C. Information about risk factors***

Please indicate in the table below in what way variables can be extracted.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **No** | **Yes, Extracted from another source then the built-in SSI surveillance module, namely….** | **Yes, however this information is filled in manually by performing manual surveillance and is extracted from the built-in SSI surveillance module** |
| Age |  |  |  |
| Sex |  |  |  |
| BMI |  |  |  |
| Duration of surgery |  |  |  |
| Wound class |  |  |  |
| ASA classification |  |  |  |
| Colostomy |  |  |  |
| Surgery because of malignancy |  |  |  |
| Anastomotic leakage |  |  |  |