Supplement 2.

## Flowchart of cell culture examinations

| O. hour                        | 1. hour   | 23. hours   | 4. hours                              | 5. hours | 6. hours                              | 7. hours                           | 31. hour   | 79. hour   | 80. hour               |
|--------------------------------|---|---|---------------------------------------|----------|---------------------------------------|------------------------------------|--|--|------------------------|
| Receiving<br>titanium<br>discs | Cleaning<br>with<br>acetone<br>and<br>absolute<br>ethanol | Treating<br>with<br>prophylactic<br>and<br>cleansing<br>solutions | Washing<br>with<br>ultrapure<br>water | Drying   | Sterilizing<br>the discs<br>with UV-C | Plate the<br>cells to<br>the discs | Investigate<br>the<br>attachment<br>of cells<br>after 24h<br>(MTT,<br>protein<br>content<br>assay),<br>microscopic<br>images | Analysis the<br>amount of<br>proliferation<br>after 72h<br>(MTT,<br>Protein<br>content<br>assay),<br>microscopic<br>images | Statistica<br>analysis |