

| AnimalID | Cartilage - Macroscopic score | | | | Extrusion | | Deformation | | | | |
|-------------------|-------------------------------|----------|----------|----------|-----------|--------|--|----------|----------------|--------|--------|
| | Tibia | | Femur | | Femoral | Tibial | Anterior area | Mid area | Posterior area | Length | Width |
| | grader 1 | grader 2 | grader 1 | grader 2 | (mm) | (mm) | (% change with respect to the reference implant) | | | | |
| Implant 1 | 4 | 4 | 2 | 2 | 4.89 | 3.08 | -0.2% | 0.3% | -7.9% | 1.46% | 0.86% |
| Implant 2 | 3 | 3 | 2 | 2 | 2.99 | 2.99 | -1.8% | -0.2% | -12.1% | 2.52% | 0.75% |
| Implant 3 | 4 | 3 | 2 | 2 | 3.62 | 4.80 | -5.4% | -5.8% | -13.6% | 2.49% | -0.19% |
| Implant 4 | 2 | 2 | 2 | 2 | 4.25 | 5.06 | -0.9% | 1.6% | -14.8% | 2.13% | 1.74% |
| Implant 5 | 3 | 2 | 2 | 2 | 2.16 | 2.93 | -0.5% | 0.2% | -11.5% | 3.02% | 1.27% |
| Implant 6 | 3 | 2 | 4 | 4 | 2.73 | 3.36 | 0.2% | 0.8% | -12.3% | 3.74% | 0.99% |
| Implant 7 | 3 | 3 | 2 | 2 | 3.66 | 7.02 | -4.3% | -4.9% | -14.1% | 2.62% | -0.17% |
| Implant-control 1 | 2 | 2 | 2 | 2 | | | | | | | |
| Implant-control 2 | 3 | 3 | 2 | 2 | | | | | | | |
| Implant-control 3 | 1 | 1 | 2 | 2 | | | | | | | |
| Implant-control 4 | 2 | 2 | 2 | 2 | | | | | | | |
| Implant-control 5 | 3 | 2 | 2 | 2 | | | | | | | |
| Implant-control 6 | 1 | 1 | 2 | 2 | | | | | | | |
| Implant-control 7 | 1 | 2 | 3 | 3 | | | | | | | |
| Sham 1 | 2 | 1 | 1 | 1 | 0.75 | 1.27 | | | | | |
| Sham 2 | 1 | 1 | 1 | 1 | 1.36 | 0.78 | | | | | |
| Sham 3 | 1 | 1 | 2 | 2 | 0.53 | 1.07 | | | | | |
| Sham 4 | 2 | 2 | 2 | 2 | 1.32 | 0.69 | | | | | |
| Sham 5 | 1 | 1 | 2 | 2 | 0.75 | 1.60 | | | | | |
| Sham 6 | 2 | 2 | 2 | 2 | 0.88 | 1.36 | | | | | |
| Sham-control 1 | 1 | 1 | 2 | 2 | | | | | | | |
| Sham-control 2 | 2 | 2 | 2 | 2 | | | | | | | |
| Sham-control 3 | 2 | 2 | 2 | 2 | | | | | | | |
| Sham-control 4 | 3 | 2 | 2 | 2 | | | | | | | |
| Sham-control 5 | 2 | 2 | 2 | 2 | | | | | | | |
| Sham-control 6 | 2 | 2 | 2 | 2 | | | | | | | |

| AnimalID | Synovium - Histology score | | Cartilage - Modified Mankin score | | | | | | |
|-------------------|----------------------------|----------|-----------------------------------|----------|-------------|----------|----------|----------|----|
| | grader 1 | grader 2 | Tibia-inner | | Tibia-outer | | Femur | | |
| | | | grader 1 | grader 2 | grader 1 | grader 2 | grader 1 | grader 2 | |
| Implant 1 | | 2 | 5 | 21 | 23 | 21 | 8 | 16 | 19 |
| Implant 2 | | 3 | 7 | 22 | 18 | 11 | 11 | 10 | 10 |
| Implant 3 | | 6 | 8 | | | 25 | 24 | 13 | 10 |
| Implant 4 | | 4 | 2 | 21 | 19 | 15 | 17 | 10 | 6 |
| Implant 5 | | 3 | 6 | 17 | 19 | 12 | 13 | 20 | 20 |
| Implant 6 | | 7 | 6 | 9 | 7 | 12 | 9 | 12 | 9 |
| Implant 7 | | 6 | 12 | 18 | 18 | | | 15 | 13 |
| Implant-control 1 | | 1 | 6 | 15 | 17 | 9 | 9 | 8 | 2 |
| Implant-control 2 | | 5 | 6 | 20 | 19 | 12 | 11 | 9 | 8 |
| Implant-control 3 | | 2 | 1 | 20 | 17 | 9 | 6 | 6 | 4 |
| Implant-control 4 | | 0 | 2 | 19 | 19 | 5 | 5 | 6 | 6 |
| Implant-control 5 | | 3 | 7 | 15 | 14 | 7 | 7 | 9 | 2 |
| Implant-control 6 | | 6 | 3 | 12 | 10 | 5 | 6 | 5 | 3 |
| Implant-control 7 | | 4 | 3 | 15 | 19 | 8 | 5 | 7 | 3 |
| Sham 1 | | 5 | 6 | | | 4 | 5 | 5 | 2 |
| Sham 2 | | 5 | 8 | 18 | 30 | 5 | 4 | 9 | 9 |
| Sham 3 | | 4 | 2 | 19 | 20 | 9 | 5 | 5 | 1 |
| Sham 4 | | 4 | 2 | 19 | 18 | 7 | 7 | 6 | 8 |
| Sham 5 | | 3 | 6 | 19 | 18 | 6 | 5 | 4 | 2 |
| Sham 6 | | 3 | 2 | 21 | 19 | 9 | 4 | 7 | 1 |
| Sham-control 1 | | 5 | 6 | 20 | 20 | 5 | 4 | 11 | 3 |
| Sham-control 2 | | 3 | 4 | 16 | 15 | 8 | 6 | 4 | 1 |
| Sham-control 3 | | 2 | 3 | 20 | 19 | 7 | 5 | 5 | 2 |
| Sham-control 4 | | 2 | 3 | 17 | 19 | 7 | 6 | 7 | 5 |
| Sham-control 5 | | 3 | 8 | 17 | 18 | 8 | 5 | 6 | 4 |
| Sham-control 6 | | 3 | 2 | | | | | 7 | 0 |

Cartilage - Affected Area score

| AnimalID | Tibia-inner | | Tibia-outer | | Femur | |
|-------------------|--------------------|-----------------|--------------------|-----------------|-----------------|-----------------|
| | <i>grader 1</i> | <i>grader 2</i> | <i>grader 1</i> | <i>grader 2</i> | <i>grader 1</i> | <i>grader 2</i> |
| | Implant 1 | 5 | 5 | 3 | 4 | 4 |
| Implant 2 | 5 | 5 | 2 | 1 | 3 | 5 |
| Implant 3 | 0 | 0 | 5 | 5 | 4 | 4 |
| Implant 4 | 5 | 5 | 3 | 4 | 2 | 0 |
| Implant 5 | 4 | 5 | 3 | 3 | 4 | 4 |
| Implant 6 | 1 | 0 | 2 | 2 | 3 | 4 |
| Implant 7 | 5 | 5 | 0 | 0 | 3 | 5 |
| Implant-control 1 | 5 | 5 | 2 | 2 | 1 | 0 |
| Implant-control 2 | 5 | 5 | 1 | 0 | 1 | 0 |
| Implant-control 3 | 5 | 5 | 0 | 0 | 1 | 0 |
| Implant-control 4 | 5 | 5 | 0 | 0 | 5 | 5 |
| Implant-control 5 | 4 | 5 | 1 | 0 | 0 | 0 |
| Implant-control 6 | 3 | 4 | 1 | 0 | 0 | 3 |
| Implant-control 7 | 5 | 4 | 0 | 0 | 0 | 0 |
| Sham 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sham 2 | 5 | 5 | 1 | 0 | 5 | 5 |
| Sham 3 | 5 | 5 | 0 | 0 | 0 | 0 |
| Sham 4 | 5 | 5 | 0 | 0 | 1 | 2 |
| Sham 5 | 5 | 5 | 2 | 0 | 0 | 0 |
| Sham 6 | 5 | 5 | 1 | 0 | 1 | 0 |
| Sham-control 1 | 5 | 5 | 1 | 0 | 3 | 0 |
| Sham-control 2 | 4 | 5 | 0 | 0 | 0 | 0 |
| Sham-control 3 | 5 | 5 | 1 | 0 | 1 | 0 |
| Sham-control 4 | 5 | 5 | 0 | 0 | 1 | 0 |
| Sham-control 5 | 5 | 5 | 0 | 0 | 1 | 0 |
| Sham-control 6 | 0 | 0 | 0 | 0 | 0 | 0 |