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MATHYS 
European Orthopaedics

**15 YEARS
CLINICAL
EXPERIENCE**

balanSys UNI
Results you can rely on

balanSys UNI



balanSys UNI

From the patients perspective, the balanSys UNI knee system offers **excellent satisfaction** and leads to a **clinically significant reduction in pain.**¹

Outstanding clinical results

Outstanding clinical results for balanSys UNI System (fixed bearing) are shown by registry data in the Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR)² as well as in the Swiss Implant Registry (SIRIS)³. Furthermore, in the Orthopaedic Data Evaluation Panel (ODEP)⁴ the balanSys UNI knee system is listed with 7 years of acceptable evidence.

Australian Registry (AOANJRR)²

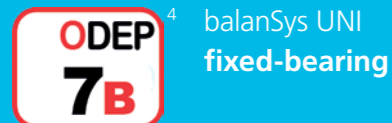
The balanSys UNI System delivered the second lowest cumulative revision rate of all unicompartmental knee replacement systems in the AOANJRR. With a cumulative revision rate of 8.5% at 10 years, balanSys UNI has a significantly lower rate compared to all unicompartmental knee replacement systems documented.

The average cumulated revision rate for all unicompartmental knee replacements accounts to 14.4% at 10 years.

Swiss Implant Registry (SIRIS)³

In the Swiss Implant Registry the balanSys UNI System has an overall revision rate of 1.40 revisions per 100 observed component years (ocy).

The average rate for all other implants is 1.73 revisions per 100 ocy.



Australian Registry (AOANJRR)

balanSys UNI cumulative revision rate

Table KP6 Cumulative Percent Revision of Primary Unicompartmental Knee Replacement by Prosthesis Combination²

Uni Femoral	Uni Tibial	N Revised	N Total	1 Yr	3 Yrs	5 Yrs	10 Yrs
balanSys UNI	balanSys UNI Fixed	30	539	2.0 (1.0, 3.8)	3.5 (2.1, 5.8)	4.4 (2.8, 6.9)	8.5 (5.8, 12.5)

Average cumulative revision rate of Primary Unicompartmental Knee Replacement

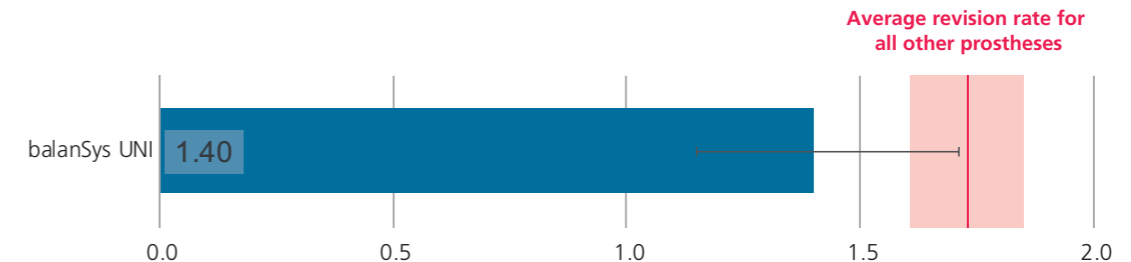
Table KP7 Cumulative Percent Revision of Primary Unicompartmental Knee Replacement (Primary Diagnosis OA)²

Knee Class	N Revised	N Total	1 Yr	3 Yrs	5 Yrs	10 Yrs
Unicompartmental	7'193	56'068	2.2 (2.1, 2.3)	5.5 (5.3, 5.7)	7.9 (7.6, 8.1)	14.4 (14.1, 14.8)

Schweizerisches Implantat-Register (SIRIS)

Revision rate per 100 component years

Revision rate (per 100 component years) for balanSys UNI (PE N=1'808, vitamys N=300) at first revision (any component)³



Glossary

Implant survival rate

The percentage of patients having the implant still in situ after a given time.

Observed component years

For the observed component years, each registered prosthesis contributes its number of years in situ to the overall total observed component years.

Revisions per 100 component years

The revisions per 100 component years is given by the number of prostheses revised, divided by the observed component years, multiplied by 100.

Confidence interval

The confidence interval is a range of values that describes the uncertainty surrounding a calculated parameter. A 95 % confidence interval is most commonly used. There is a probability of 95 % that the true value lies within this range. The minimum and maximum of the interval are called the lower and upper confidence limits.

balanSys UNI

References

- ¹ Campbell, D.: Unicondylar knee replacement with a new tensioner device: clinical results of a multicentre study on 168 cases. Arch Orthop Trauma Surg, 2010.
- ² Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR). Hip, Knee & Shoulder Arthroplasty: 2019 Annual Report. Adelaide: AOA, 2019, Tables KP6 and KP7
- ³ Swiss Implant Registry (SIRIS), balanSys Unicondylar SIRIS Implant Report (Extended), November 2019
- ⁴ <http://www.odep.org.uk/products.aspx>, last access 20.11.2019

Table KP6 Cumulative Percent Revision of Primary Unicompartmental Knee Replacement by Prosthesis Combination ²

Uni Femoral	Uni Tibial	N Revised	N Total	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs	18 Yrs
BalanSys Uni	BalanSys Fixed	30	539	2.0 (1.0, 3.8)	3.5 (2.1, 5.8)	4.4 (2.8, 6.9)	8.5 (5.8, 12.5)		

Table KP7 Cumulative Percent Revision of Primary Unicompartmental Knee Replacement (Primary Diagnosis OA) ²

Knee Type	N Revised	N Total	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs	18 Yrs
Unicompartmental	7193	56068	2.2 (2.1, 2.3)	5.5 (5.3, 5.7)	7.9 (7.6, 8.1)	14.4 (14.1, 14.8)	22.3 (21.7, 22.8)	27.3 (26.2, 28.4)

Preservation in motion

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