

CORAIL[®]
HIP SYSTEM

PINNACLE[®]
HIP SOLUTIONS



National Joint Registries

Overview



CORAIL®
HIP SYSTEM

Over 350,000 documented CORAIL® Implantations in registries¹

- In 2018, the CORAIL® Total Hip System achieved over 2.5 million unit sold worldwide since its introduction²
- In 2018, the CORAIL Total Hip System was awarded a 13A* rating by the Orthopaedic Data Evaluation Panel³
- Designed by the ARTRO Group
- Over 30 years of clinical experience
- More than 780 patients treated each day²
- Striving to improve people's lives in more than 100 countries around the globe²



7A CORAIL Cemented Total Hip System

CORAIL remains the most widely implanted cementless Hip Stem system in the registries of Norway,⁴ Australia⁵ and the NJR.⁶

Norwegian Joint Registry

Femoral prostheses in primary operations⁴

Stem	1987-10	2011	2012	2013	2014	2015	2016	2017	2018	Total
CORAIL	16035	3681	4495	4635	4712	4460	4759	5030	5137	52944
CHARNLEY®	42206	117	116	67	43				-	42549
Exeter	18737	1558	1461	1570	1651	1850	1893	1552	1829	32101

The table above shows an extract from Table 23 in the 2019 Report of the Norwegian Joint Registry, to show the data for the first three most commonly used femoral stems.

Australian Orthopaedic Association National Joint Replacement Registry

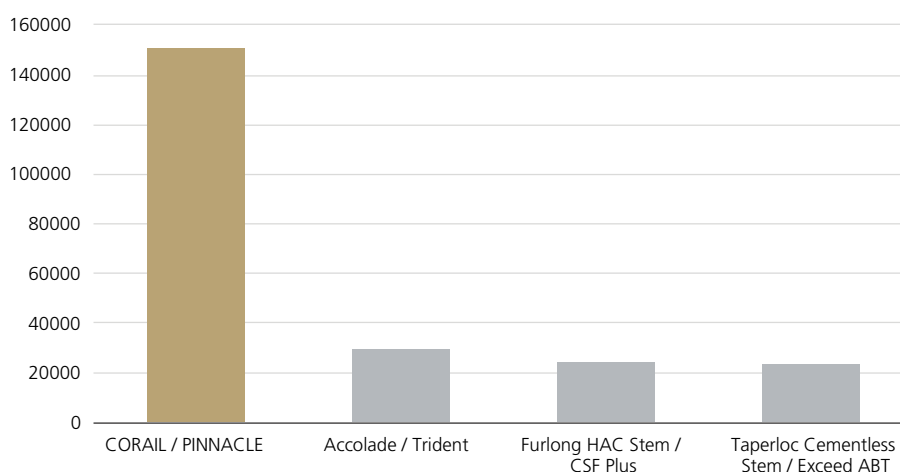
Ten most used femoral components in primary total conventional hip replacement with cementless fixation.⁵

Table HT6 10 Most Used Cementless Femoral Components in Primary Total Conventional Hip Replacement

2003		2015		2016		2017		2018	
N	Model	N	Model	N	Model	N	Model	N	Model
1029	ABGII	5421	CORAIL	5862	CORAIL	5372	CORAIL	5283	CORAIL
980	Synergy	2843	Quadra-H	2755	Quadra-H	1937	Quadra-H	2228	Polarstem
819	Alloclassic	1519	Polarstem	1827	Polarstem	1925	Polarstem	2116	Metafix
739	VerSys	905	Accolade II	1326	Accolade II	1839	Accolade II	2063	Quadra-H
713	Secur-Fit Plus	844	Taperloc	990	Taperloc	1577	Metafix	1961	Accolade II
485	S-Rom	779	Anthology	787	Tri-Fit TS	1027	Taperloc	1165	Paragon
482	Secur-Fit	579	Tri-Fit TS	785	AMISem H	1016	AMISem H	933	Taperloc
376	CORAIL	565	Avenir	699	Anthology	797	Tri-Fit TS	849	AMISem H
334	Accolade I	551	Secur-Fit	646	Metafix	781	Paragon	573	Anthology
334	Mallory-Head	475	Metafix	544	Paragon	683	Anthology	547	Tri-Fit TS

National Joint Registry for England, Wales, Northern Ireland and the Isle of Man

Overall volume of Uncemented THR product combinations on 16th Report of NJR 2019⁶



The table above represents data extracted from Table 3.9 in the 16th report of the National Joint Registry for England, Wales, NI and Isle of Man, to show the data for the first four most commonly used cementless constructs.



PINNACLE[®]
HIP SOLUTIONS

Over 310,000 documented PINNACLE[®] Implantations in registries¹

- In 2018, the PINNACLE[®] Acetabular Cup System achieved over 3.4 million unit sold worldwide since its introduction⁷
- In 2019, the PINNACLE Acetabular Cup System was awarded a 13A* rating by the Orthopaedic Data Evaluation Panel³
- Nearly 20 years of clinical experience
- Nearly 1000 patients treated each day⁷
- Striving to improve people's lives in more than 100 countries around the globe⁷



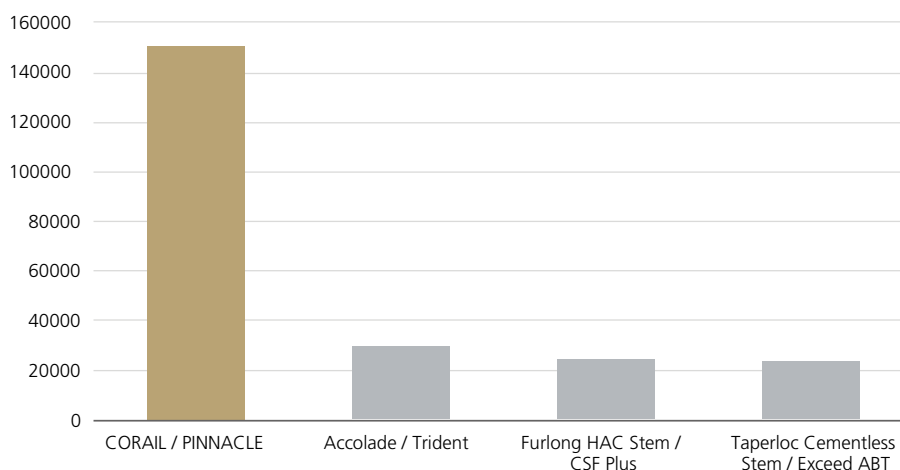
7A* PINNACLE GRIPTION Acetabular System

According to the NJR, PINNACLE is currently the most implanted cementless Acetabular Cup solution in the UK⁶ and one of the most widely used Acetabular Systems in the Australian Registry.⁸



National Joint Registry for England, Wales, Northern Ireland and the Isle of Man

Overall volume of Uncemented THR product combinations on 16th Report of NJR 2019⁶



The table above represents data extracted from Table 3.9 in the 16th report of the National Joint Registry for England, Wales, NI and Isle of Man, to show the data for the first four most commonly used cementless constructs.

Australian Orthopaedic Association National Joint Replacement Registry

Ten most used acetabular components in primary total conventional hip replacement.⁸

Table HT9 10 Most Used Cementless Acetabular Components in Primary Total Conventional Hip Replacement

2003		2015		2016		2017		2018	
N	Model	N	Model	N	Model	N	Model	N	Model
3986	Trident (Shell)	7472	Trident (Shell)	7833	Trident (Shell)	8122	Trident (Shell)	8450	Trident (Shell)
1748	Reflection (Shell)	6617	PINNACLE	6939	PINNACLE	6585	PINNACLE	6332	PINNACLE
1524	Trilogy	3635	R3	3767	R3	3803	R3	3838	R3
955	Vitalock	3030	Versafitcup CC	2751	Versafitcup CC	2953	Trinity	3657	Trinity
907	Duraloc	1577	Trinity	1987	Trinity	2059	Versafitcup CC	1892	Mpact
827	ABGII	1359	Continuum	1327	Continuum	1397	Mpact	1824	Versafitcup CC
793	Allofit	892	Trilogy	1133	Mpact	1292	Continuum	1475	G7
729	Mallory-Head	769	Trident/Tritanium (Shell)	1107	Trident/Tritanium (Shell)	1252	Logical G	1429	Logical G
537	PINNACLE	635	Acetabular Shell (Global)	801	Logical G	1142	Trident/Tritanium (Shell)	1303	Acetabular Shell (Global)
521	Fitmore	539	G7	759	Acetabular Shell (Global)	1050	G7	1184	Continuum

Over 234,000 documented CORAIL PINNACLE
Construct Implantations in registries¹



93.2%

CORAIL PINNACLE is the most implanted combination in cementless hip joint reconstruction in Australia showing a 93.2% survival rate at 15 years in 47,247 implantations.⁹

Combination	Implantations	Year 5	Year 10	Year 15
CORAIL, PINNACLE	47,247	3.3% (3.1-3.5)	5.3% (5.0-5.7)	6.8% (6.0-7.8)

Australian Orthopaedic Association National Joint Replacement Registry. Cumulative Percent Revision of Primary Total Conventional Hip Replacement Combinations with 10 Year Data (Primary Diagnosis OA).

2.88%

Low 2.88% revision rate for the CORAIL PINNACLE with ceramic on polyethylene bearing after 10 years in the NJR.¹⁰

Combination	Implantations	Year 5	Year 10	Year 13
CoC	41,769	2.44% (2.29-2.60)	3.94% (3.68-4.23)	4.87% (4.31-5.49)
CoP	34,002	1.58% (1.42-1.77)	2.88% (2.39-3.48)	<i>3.13% (2.55-3.83)</i>
MoP	60,875	1.59% (1.49-1.71)	2.97% (2.72-3.23)	4.07% (3.56-4.64)

Blue italics signify that fewer than 250 cases remained at risk at these time points.

The numbers in brackets represent the 95% confidence interval around the cumulative revision rate estimate.

References

1. CORAIL PINNACLE documented implantations in the Registries. Depuy Synthes; 2019. Data on File.
2. Royalty COE Report, CORAIL WW implantations YTD, 2000 - 2019.
3. Orthopaedic Data Evaluation Panel. ODEP product ratings. Latest ODEP ratings can be found at www.odep.org.uk [Accessed January 2020].
4. Norwegian Arthroplasty Register, Report 2019. Table 23
5. Australian Orthopaedic Association National Joint Replacement Registry. Annual Report. Adelaide: AOA; 2019. Available from URL: <https://aoanjrr.sahmri.com/annual-reports-2019>. Table HT6.
6. National Joint Registry for England, Wales, Northern Ireland and the Isle of Man, 16th Annual Report, 2019. Table 3.9. Available from www.njrreports.org.uk
7. Royalty COE Report, PINNACLE WW implantations YTD, 2000 - 2019.
8. Australian Orthopaedic Association National Joint Replacement Registry. Annual Report. Adelaide: AOA; 2019. Available from URL: <https://aoanjrr.sahmri.com/annual-reports-2019>. Table HT9.
9. Australian Orthopaedic Association National Joint Replacement Registry. Annual Report. Adelaide: AOA; 2019. Available from URL: <https://aoanjrr.sahmri.com/annual-reports-2019>. Extracted from Table HT12

Table HT12 Cumulative Percent Revision of Primary Total Conventional Hip Replacement with Cementless Fixation by Prosthesis Combination

Femoral Component	Acetabular Component	N Revised	N Total	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs	18 Yrs
CORAIL	PINNACLE	1534	47247	1.7 (1.6, 1.9)	2.7 (2.5, 2.8)	3.3 (3.1, 3.5)	5.3 (5.0, 5.7)	6.8 (6.0, 7.8)	

10. National Joint Registry for England, Wales, Northern Ireland and the Isle of Man, 16th Annual Report, 2019. Table 3.10. Available from www.njrreports.org.uk

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