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VATCHMAN FLX LAAC DEVICE LAAC DEVICE

LAAC THERAPY

BRIEF SUMMARY

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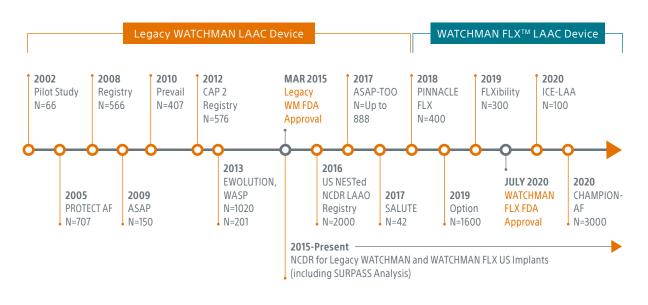


CLINICAL TIMELINE

Over **9,000 patients studied** and **20 years of experience** with WATCHMAN™ Left Atrial Appendage Closure Device



WATCHMAN™ Left Atrial Appendage Closure Device Clinical Timeline



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WATCHMAN™ Left Atrial Appendage Closure Device Clinical Timeline



WATCHMAN FLX™ Left Atrial Appendage Closure Device



WATCHMAN FLX™ Left Atrial Appendage Closure Device Design Differentiation

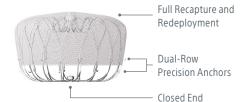
Built on WATCHMAN™ LAAC Device, the most studied and implanted LAAC device in the world, WATCHMAN FLX LAAC Device is designed to advance procedural performance and safety while expanding the treatable patient population.



WATCHMAN FLX™ Left Atrial Appendage Closure Device Design Differentiation

WATCHMAN FLX™ LAAC Device

Treatment Range 14.0 – 31.5 mm Ostium Width





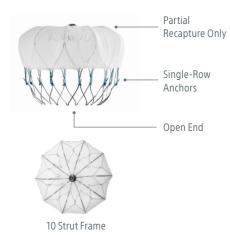
18 Strut Frame



Fully-Rounded WATCHMAN FLX Ball

Legacy WATCHMAN™ LAAC Device

Treatment Range 16.8 – 30.5 mm Ostium Width



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PINNACLE FLX

PINNACLE FLX, the WATCHMAN FLX™ Left Atrial Appendage Closure Device US IDE Trial, demonstrated unmatched 0.5% major adverse event rate, 100% Effective LAA Closure, and a low 1.7% Annualized Ischemic Stroke or Systemic Embolism rate at 24 months.^{1, 2}

View Full 12-Month Results

View Full 24-Month Results

1 Kar S., Circulation, 2021. 2 Doshi et al. JAHA, 2023



PINNACLE FLX Study Overview

A US IDE to evaluate the safety and efficacy of the WATCHMAN FLX™ Left Atrial Appendage Closure Device



^{*}If no effective seal (defined as leak =<5mm) is observed at 45 days, patients continued on DOAC+ASA and had 6-month TEE; additional imaging performed as medically necessary after 1 year (ie, in case of an event).





WATCHMAN FLX™ Left Atrial Appendage Closure Device: The New Standard by Which Others Must be Judged

ADVANCED SAFETY



Fully Rounded Ball for Safety

0.5%*
Major Adverse
Event Rate¹



Dual-Row Precision Anchors for Reliability

Pericardial Effusions
Requiring open cardiac surgery through 24 mos²

O%
Device
Embolization
24 Months²



80% more LAA Contact Points for Improved Sealing

1.8%
DRT Through
24 Months

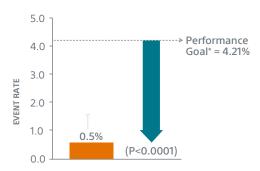
*Occurrence of one of the following events between the time of implant and within 7 days following the procedure or by hospital discharge, whichever is later: all-cause death, ischemic stroke, systemic embolism, or device or procedure related events requiring open cardiac surgery or major endovascular intervention. 18a; S., et al, Primary Outcome Evaluation of the Next Generation LAAC Device: Results from the PINNACLE FLX Trial, Circulation, 2021.



WATCHMAN FLX™ Left Atrial Appendage Closure Device Demonstrated Excellent Safety and Efficacy at 12 Months¹

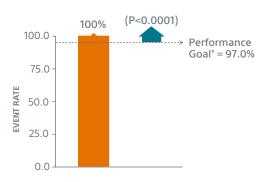
Primary Safety Endpoint:

Peri-procedural Adverse Events



Primary Efficacy Endpoint:

Effective LAA Closure at 12-Months

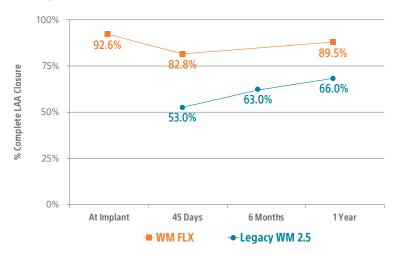




WATCHMAN FLX™ Left Atrial Appendage Closure Device Complete Closure Rates

WATCHMAN FLX LAAC Device has significantly improved complete closure rates over Legacy WATCHMAN™ Left Atrial Appendage Closure Device; any residual leak with WATCHMAN FLX LAAC Device was < 3 mm via TEE¹

COMPLETE Closure Comparison



Note: Graph displays two separate clinical studies: PROTECT-AF AND PINNACLE FLX.



PINNACLE FLX 24-Month Results Reinforce Long-Term Efficacy for WATCHMAN FLX™ Left Atrial Appendage Closure Device^{1, 2}

PROVEN LONG-TERM EFFICACY



80% Increase in Contact Points for Sealing

1.7%
Ischemic Stroke/
Systemic Embolism
(Per 100 patient vrs/annualized)²



Dual-Row Precision Anchors for Reliability

Pericardial Effusions
Requiring open cardiac surgery through 24 mos²

Device Embolization Through 24 Months²



80% more LAA Contact Points for Improved Sealing Based on Effective LAA Closure at 45 Days

100%†

LAA Effective Closure¹ 96.2%

Patients Discontinued OAC at 45 Days¹

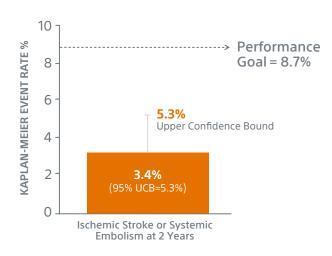
† LAA effective closure at 12 months is defined as any peri-device flow with jet size <5mm per core laboratory-assessed TEE.

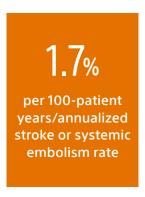
Nar, S., et al, Primary Outcome Evaluation of the Next Generation LAAC Device: Results from the PINNACLE FLX Trial, Circulation, 2021

20 Dokhi et al. IAHA. 2023.



PINNACLE FLX 24-Month Data Demonstrates Proven Efficacy with a Low Annualized Stroke Rate¹

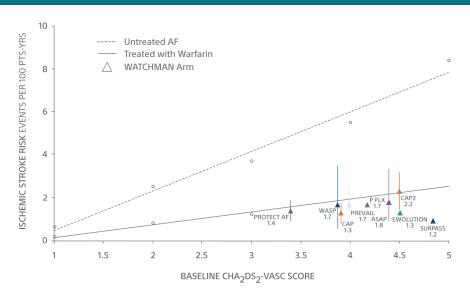






Ischemic Stroke Across WATCHMAN Trials

Long-term data continues to differentiate WATCHMAN FLX™ Left Atrial Appendage Closure Device and provides on-going clinical support for LAAC to reduce the risk of ischemic stroke in NVAF patients.



Note: Data from ASAP, WASP and EWOUTION includes patients currently contraindicated for LAAC with WATCHMAN in the United States. Friberg. Eur Heart J (2012); NICE UK (2014). Reddy VY, et al. IACC 2017; 70(24): 2964-2975 (PROTECT AF and PREVAIL). Holmes, DR et al. JACC 2016; In Press (CAP and CAP2). Phillips KP et al. ILC Heart & Vasculature 2019; 23[100358] (WASP). Boersma LVA et al. Circulation: Arrhythmia and Electrophysiology. 2019; 12(4): e006841. (EWOLUTION). Sharma D et al. JACC 2016; 67(18): 2190-2192 (ASAP). Late Breaking Clinical Trial at CRT 2023, Presented by Samir Kapdia. (SURPASS)

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PINNACLE FLX Prohibitive Anatomy

97% procedural success and zero leak in 91% of WATCHMAN FLX™ Left Atrial Appendage Closure Device patients with prior prohibitive anatomy for a Legacy WATCHMAN™ Left Atrial Appendage Closure Device.¹

View Full Study Results

1 Ellis, C. et al, Heart Rhythm, 2021



Study Design

The purpose of this study was to evaluate the safety and efficacy of WATCHMAN FLX™ LAAC Device in patients with a failed Legacy WATCHMAN™ LAAC Device attempt or prohibitive LAA anatomy.

STUDY COHORTS

- Patients with a prior failed Legacy WATCHMAN 2.5 attempt (N=11)
- Patients with prohibitive anatomy to attempt LAAC with Legacy WATCHMAN (N=88)
- These study cohorts represented 21.6% of all patients (99 of 458) in PINNACLE FLX

CONTROL COHORT

- Patients (N=359) that did not meet the criteria for prior failed or prohibitive anatomy to receive a Legacy WATCHMAN Device
- (458 total patient 99 in study cohorts = 359 in the control cohort)

The PINNACLE FLX study enrolled 58 roll-in patients and 400 primary study patients between May 2018 and November 2018. Outcomes in this analysis are through 1 year.



Study Outcomes

The purpose of this study was to evaluate the safety and efficacy of WATCHMAN FLX™ LAAC Device in patients with a failed Legacy WATCHMAN™ LAAC Device attempt or prohibitive LAA anatomy.

There was **zero leak** in 91% of the prohibitive anatomy cohort.¹

ZERO LEAK

- Zero leak in 90.9% in the failed Legacy WATCHMAN cohort
- 7ero leak in 91 3% in the prohibitive anatomy cohort
- 7ero leak in 89 5% in the control cohort

PROCEDURAL SUCCESS

- 100% of patients (11/11) with a prior failed Legacy WATCHMAN were successfully implanted with WATCHMAN FLX LAAC Device
- 96.6% of patients (85/88) with prohibitive anatomy were successfully implanted with WATCHMAN FLX LAAC Device



IDE TRIALS

PINNACLE FLX (WATCHMAN FLX™ Left Atrial Appendage Closure Device) and Amulet IDE (Amplatzer™ Amulet™ LAA Occluder)

View Full PINNACLE FLX Results

View Full Amulet IDE Results



PINNACLE FLX and Amulet IDE Outcomes

PINNACLE FLX Clinicial Trial^{1,2}

Characteristic	WATCHMAN FLX™
Patients	400
Age	73.8 ± 8.6
CHA ₂ DS ₂ -VASc Score	4.2 ± 1.5
HAS-BLED Score	2.0 ± 1.0

Amulet IDE³

Characteristic	Amulet™	Legacy WATCHMAN™
Patients	934	944
Age	75.0 ± 7.6	75.1 ± 7.6
CHA ₂ DS ₂ -VASc Score	4.5 ± 1.3	4.7 ± 1.4
HAS-BLED Score	3.2 ± 1.0	3.3 ± 1.0



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PINNACLE FLX and Amulet IDE Outcomes

1 Kar S., MD, et. al, Primary Outcome Evaluation of a Next-Generation Left Atrial Appendage Closure Device Results From the PINNACLE FLX Trial, CIRCULATION, 2021.



STUDY

GLOSSARY

BRIEF

SUMMARY

SEAL FLX Study

WATCHMAN FLX[™] Left Atrial Appendage Closure Device demonstrated statistical superiority for complete occlusion vs Amulet[™] LAA Occluder.¹

View Full Study Results

1 Korsholm-K et al.; TCT 2021.

STUDY

GLOSSARY



Study Design

First study to exclusively compare occlusion results of WATCHMAN FLX™ LAAC Device vs Amulet™ LAA Occluder using CT imaging.1

- Single-center, retrospective study of LAAO implantation at Aarhus University Hospital (Denmark) between 2018-2020
 - 1st cohort: Amplatzer Amulet (N=150) 2018 - 2019
 - 2nd cohort: WATCHMAN FLX (N=150) 2019 - 2020
- Cardiac CT was performed 8 weeks after LAAO

Primary Outcome Complete Occlusion* Based on Cardiac CT Imaging



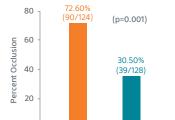
Study Outcomes

WATCHMAN FLX™ LAAC Device Demonstrated Statistically Superior Complete Occlusion* vs Amulet™ LAA Occluder (p=0.001).1

Complete Occlusion* at 8 Weeks (per CT)

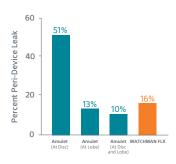
More Leak Pathways with a Two-Component Device at 8 Weeks (per CT) Peri-Device Leak

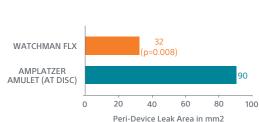
Leak Measurements were Statistically Larger with Amulet than WATCHMAN FLX (p=0.008) at 8 Weeks (per CT) Leak Size (mm2)



WATCHMAN

FLX





BRIEF

SUMMARY



O

AMPLATZER

AMULET

SWISS APERO Study

WATCHMAN FLX™ LAAC Device demonstrated statistical superiority for procedural complications over Amulet™ LAA Occluder.¹

View Full Study Results

1 Presented as an abstract at TCT 2021, published Circulation, 2021.

GLOSSARY



SWISS APERO Study Design and Endpoints

Investigator-initiated, multicenter, randomized superiority trial to assess if Amulet™ LAA Occluder is superior to Legacy WATCHMAN™ LAAC Device/WATCHMAN FLX™ LAAC Device based on device crossover or complete LAA sealing.¹



Primary Endpoints

- Composite of justified crossover to the nonrandomized device
- LAA patency (via CT) at 45 days

Secondary Endpoints

- PDL at 45-day TEE
- DRT at 45-day TEE and CT
- Procedural complications
- Clinical outcomes at 45 days
 - composite of CV death. stroke or systemic embolism, all bleedings

221 patients were randomly assigned to either Amulet (N=111) or WATCHMAN (N=110) [Legacy WATCHMAN N=25, WATCHMAN FLX N=85]



Study Outcomes

Procedure Related Complications and Pericardial Effusions

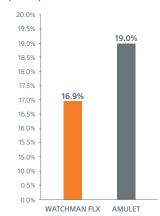
Statistically significantly higher rate of procedural complications with Amulet™ LAA Occluder, despite European implanter experience with the device.¹

Primary Safety Endpoint Components	Amulet (N=111)	WATCHMAN/ FLX (N=110)	Amulet vs WATCHMAN Risk Ratio (95% CI)	P Value
Major Procedure Related Complication No. (%)*	10 (9.0%)	3 (2.7%)	3.30 (0.93-11.68)	0.047
Death, No. (%)	2 (1.8%)	0 (0.0%)		0.498
Cerebrovascular Event, No. (%)	2 (1.8%)	0 (0.0%)		0.498
Systemic Embolism, No. (%)	0 (0.0%)	0 (0.0%)		1
Major Bleeding (BARC 3-5), No. (%)	8 (7.2%)	2 (1.8%)	3.96 (0.86-18.25)	0.054
Clinically Relevant Pericardial Effusion, No. (%)	4 (3.6%)	0 (0.0%)		0.122
Device Embolization, No. (%)	1 (0.9%)	1 (0.9%)	3.99 (0.06-16.04)	0.995
Acute Kidney Injury, No. (%)	0 (0.0%)	0 (0.0%)		

Presented as an abstract at TCT 2021, published Circulation, 2021

Peri-Device Leak

WATCHMAN FLX™ LAAC Device showed lower PDL than Amulet. No statistically significant difference in LAA patency.¹



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^{*}Composite of death, CVE, systemic embolism, major bleeding, cardiac tamponade, device embolization, or acute kidney injury ocurring within 7 days or thereafter if deemed procedure-related.

All cardiac tamponades observed within 45 days after LAAC occurred in the Amulet Group.

Real-World Outcomes with WATCHMAN FLX™ LAAC Device: SURPASS Early Results (45-Days)¹

The SURPASS Early Results analysis of the NCDR-LAAO Registry reinforces the excellent safety profile WATCHMAN FLX LAAC Device in over 16,000 real-world NVAF Patients.

View Study Results

1 Late Breaking Clinical Trial, Presented at CRT 2022 by Dr. Samir Kapadia



SURPASS Early Results Design

Objective

Assess safety and efficacy outcomes in patients in the NCDR-LAAO Registry who recieved a commercial WATCHMAN FLX™ LAAC Device.

Design

WATCHMAN FLX LAAC Device patients included in the NCDR-LAAO Registry from **AUGUST 2020 through August 2022,** will be followed through 2 years post-implant. No exclusion criteria.

THIS ANALYSIS

45-Day Outcomes, N=16,048 August 5, 2020 – March 31, 2021

Patient Characteristics and Medications

CHA ₂ DS ₂ -VASc Score	4.8 ± 1
HAS-BLED Score	2.4 ± 1.
Clinically Relevant Bleeding Event, %	61.8

Antiplatelet/Anticoagulant Medications	Discharge N=16,048
Warfarin Alone, %	2.9
Warfarin + Aspirin, %	9.1
NOAC Alone, %	21.0
NOAC + Aspirin, %	49.1
DAPT, %	7.9
SAPT, %	2.5
No OAC or APT. %	0.5

SURPASS Endpoints

Safety Endpoint

Composite of all-cause death, ischemic stroke, systemic embolism, or device/procedure-related events requiring open cardiac surgery or major endovascular intervention between device implantation and 7 days or hospital discharge (whichever is later)

Effectiveness Endpoint

Occurrence of ischemic stroke or systemic embolism at 24 months post-implant

Additional Endpoints

- All-Cause Death
- Device-Related Thrombus
- Major Bleeding

• Implant Success

Stroke

- Systemic Embolism
- Effective Device Closure
- Device Embolization

Late Breaking Clinical Trial at CRT 2022, Presented by Dr. Samir Kapadia

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The SURPASS Early Results Data Reinforces the Outstanding Safety, Simplicity, and Seal of the WATCHMAN FLX™ Left Atrial Appendage Closure Device.

Safety

Major Procedural Adverse Event Rate* (60/16,048)

Simplicity

Procedural Success (16,048/16,446)

Seal

Complete LAA Closure at 45 Days

LAA Closure < 3mm at 45 Days



Exceedingly Low Pericardial Effusion Rates Observed in WATCHMAN FLX™ Left Atrial Appendage Closure Device's Earliest U.S. Experience

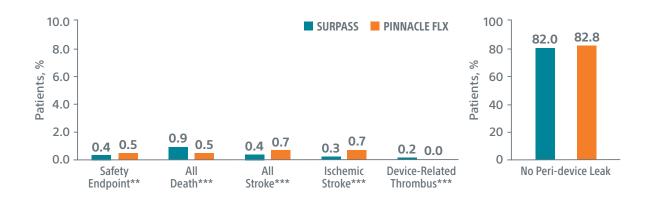
	Discharge N=16,048	45-days N=14,107
Pericardial effusion requiring either surgical or percutaneous intervention	0.32% (52/16,048)	0.51% (72/14,107)
PE requiring open cardiac surgery	0.01% (2/16,048)	0.03% (4/14,107)
PE requiring percutaneous treatment	0.31% (50/16,048)	0.50% (70/14,107)



BRIEF

SUMMARY

These Real-World Data Reinforce the Excellent Safety Profile WATCHMAN FLX™ Left Atrial Appendage Closure Device Demonstrated in the PINNACLE FLX Trial*



***45-day outcome

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^{*}Results from different clinical investigations are not directly comparable

^{**}Safety endpoint defined as Composite of all-cause death, ischemic stroke, systemic embolism, or device/procedure-related events requiring oper cardiac surgery or major endovascular intervention between device implantation and 7 days or hospital discharge (whichever is later).

REAL-WORLD OUTCOMES WITH WATCHMAN FLX™ LAAC DEVICE: SURPASS 1-YEAR RESULTS

The SURPASS 1-Year Outcomes analysis of the NCDR-LAAO Registry™ now includes the largest number of commercial WATCHMAN FLX Device patients to date. These data continue to support the best-in-class safety of the WATCHMAN FLX Device with a 0.49% major procedural adverse event rate within 7 days or hospital discharge (whichever is later) and 98% implant success in >66,000 real-world NVAF patients.¹

View Study Results

1. Late Breaking Clinical Trial at CRT 2023, Presented by Samir Kapdi



SURPASS 1-Year Design

Study Design

- The objective of this SURPASS analysis is to assess long term safety and efficacy outcomes at one year with WATCHMAN FLX™ in a routine, real-world setting
- This analysis includes the largest commercial WATCHMAN FLX patient population to date, with 66,894 patients implanted between August 5, 2020 and March 31, 2022

Patient Characteristics

- Age: 76.2 ± 7.9 Years
- CHA₂DS₂-VASc: 4.8 ± 1.5
- HAS-BLED 2.4 ± 1.0
- Women: 41%
- Clinically Relevant Bleeding: 57.7%

Safety Endpoint

Composite of all-cause death, ischemic stroke, systemic embolism, or device/procedure-related events requiring open cardiac surgery or major endovascular intervention between device implantation and 7 days or hospital discharge (whichever is later).

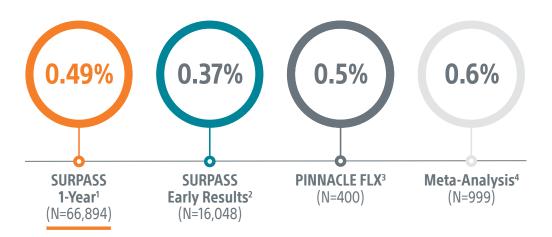




The 0.49% major procedural adverse event rate within 7 days or hospital discharge demonstrated in the SURPASS 1-Year Outcomes analysis further supports the unmatched safety profile observed in separate controlled and real-world analyses.

Key Safety Endpoints

(Within 7 Days or Discharge)



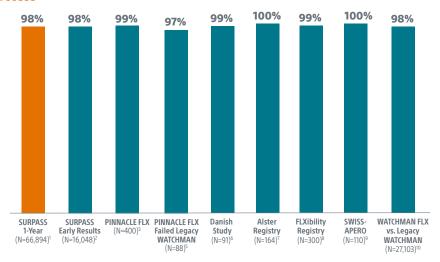
1 Late Breaking Clinical Trial at CRT 2023, Presented by Samir Kapdia. 2 Kapadia, CRT 2022. 3 Kar, Circulation 2021. 4 Della Rocca et al. Heart Rhythm 2022.

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SURPASS data reinforces the WATCHMAN FLX™ Device procedural success with 98% of patients implanted (N=66,894)1 across nearly all anatomies in a real-world setting, confirming the WATCHMAN FLX Device real world experience replicates clinical trial outcomes.

Procedural Success



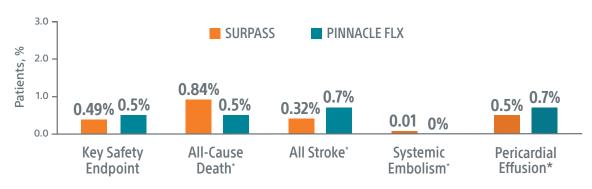
1 Late Breaking Clinical Trial at CRT 2023, Presented by Samir Kapdia. 2 Kapadia, CRT 2022. 3 Kar, Circulation 2021. 4 Della Rocca et al. Heart Rhythm 2022. 5 Ellis, Heart Rhythm, 2021. 6 Korsholm, WM FLX First Experience, JACC, 2020. 7 Bergmann, Alster Registry, Presented ePCR 2021. 8 Betts, EHRA 2022. 9 Galea, SWISS APERO Trial, Cirulation, 2021. 10 Freeman, HRS 2022.



The 1-Year SURPASS Data confirms the excellent safety profile the WATCHMAN FLX™ Device demonstrated in the PINNACLE FLX trial, with the largest (N=66,894) WATCHMAN FLX Device patient population to date.

Comparison with PINNACLE FLX1

45-Day Outcomes



*Results from different clinical investigations are not directly comparable.

1 Kar. Circulation 2021



The WATCHMAN FLX™ Device delivers proven stroke reduction and positively sustained outcomes at 1 year in the largest and highest-risk patient population studied to date.

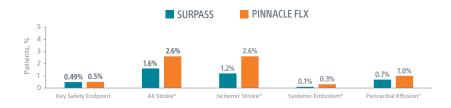
1-Year Stroke Rates

1.6% All Stroke



1.2% Ischemic Stroke

1-Year Outcomes Comparison with PINNACLE FLX1



1 Kart et al. Circulation 202

1-Year Outcomes (KM Rates). Results from different studies are not directly comparable. For illustration purposes only.



Procedural and Short-Term Follow-up Outcomes of Amplatzer Amulet™ LAA Occluder vs WATCHMAN FLX™ LAAC Device: A Meta-Analysis¹

The largest comparison of peri-procedural success and short-term outcomes of WATCHMAN FLX LAAC Device vs Amplatzer Amulet LAA Occluder reveals superior procedural safety, higher procedural success, and better LAA closure with WATCHMAN FLX LAAC Device.

View Full Study Results

1 Della Rocca, D.G., Heart Rhythm, February 2022.



Study Design

Meta-Analysis of 4186 Patients from 21 Studies

- 3187 Amulet implants
- 999 WATCHMAN™ FLX LAAC Implant Device

No Difference in Thromboembolic Risk Between Groups

- CHA₂DSC₂-VASc: 4.3 ± 1.5 for Amulet LAA Occluder
- CHA₂DSC₂-VASc: 4.2 ± 1.5 for WATCHMAN FLX LAAC Device

Safety endpoint was the occurrence of death, stroke, major bleeding, myocardial infarction, major vascular complications, device embolization, or pericardial effusion within 7 days post-procedure.



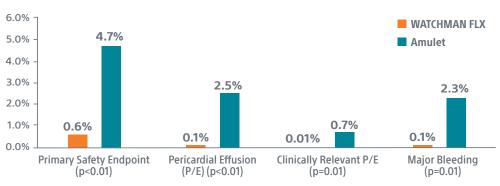
Data from a first imaging study performed within 3-month were used to assess the incidence of peri-device leaks >5mm and device-related thrombosis (DRT).



Key Results: Safety

WATCHMAN FLX[™] Left Atrial Appendage Closure Device showed a significantly lower incidence of peri-procedural complications. (p<0.01)

Adverse Events within 7 days of Implant



- 0 device embolizations occurred with WATCHMAN FLX LAAC Device vs.15 with Amulet™ Occluder
- WATCHMAN FLX™ LAAC Device demonstrated lower DRT than Amulet Occluder (1% vs 1.6%)
- No difference was observed for death or stroke between groups



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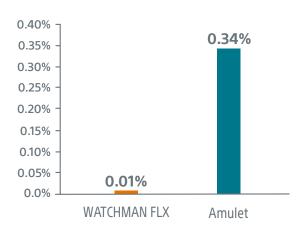
BRIEF

SUMMARY

Key Results: Seal

WATCHMAN FLX™ Left Atrial Appendage Closure Device demonstrated fewer peri-device leaks >5mm than Amplatzer Amulet™ LAA Occluder (0.01% vs 0.34%, p=0.06).

Peri-Device > 5mm Within 3 Months





The ALSTER-FLX Registry: 3-Month Outcomes Following Left Atrial Appendage Occlusion Employing a Next-Generation Device, a Matched-Pair-Analysis to EWOLUTION¹

WATCHMAN FLX[™] LAAC Device showed significant improvement for safety, simplicity and seal vs Legacy WATCHMAN[™] LAAC Device in this retrospective registry analysis comparing early experience with both devices.

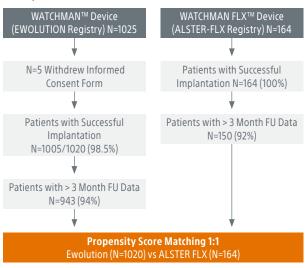
View Full Study Results

1 Paitazoglou C., MD, Heart Rhythm, Feb. 2022



Study Design

Comparison



Patient Characteristics

Compared to the patients in the EWOLUTION Registry, the ALSTER-FLX Registry had statistically higher:

- Bleeding risk (EWOLUTION 2.3 ± 1.2 vs ALSTER FLX 3.2 ± 0.8, p <0.001)
- History of major bleeding (EWOLUTION 31% vs ALSTER FLX 77.4%, p <0.001)
- History of ischemic stroke (EWOLUTION 19% vs ALSTER FLX 34.1%, p < 0.001)



All outcomes were improved with WATCHMAN FLX™ LAAC Device vs Legacy WATCHMAN™ LAAC Device despite a higher morbidity (higher risk) patient population in the WATCHMAN FLX LAAC Device group.

Safety

- 0% stroke and 0% device embolization in the ALSTER-Registry compared to EWOLUTION (stroke 0.5%, device embolization 0.4%)
- Lower DRT with ALSTER FLX patients (2.4%) as compared to EWOLUTION patients (3.7%)

Simplicity

• 100% Procedural Success vs in the ALSTER-Registry compared to 99% in EWOLUTION

Seal

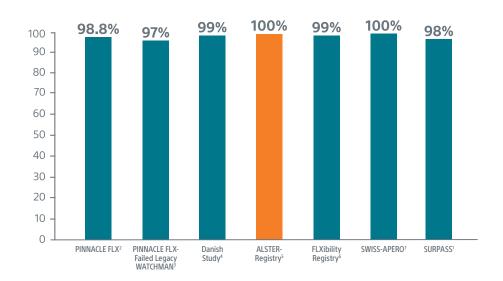
 Statistically-significantly higher complete sealing rate in the ALSTER-Registry compared to EWOLUTION at three months (ALSTER FLX 90% vs EWOLUTION 79.4%, p=0.039 after matching)



BRIEF

SUMMARY

High Procedural Success Across Multiple WATCHMAN FLX™ Left Atrial Appendage Closure Device Studies



Late Breaking Clinical Trial at CRT 2022, Presented by Dr. Samir Kapadia. 2 Kar, PINNACLE FLX; 12 Month Outcomes, CIRCULATION, 2021. 3 Ellis, Structural Heart, 2021.

Korsholm, WM FLX First Experience, JACC, 2020. 5 Bergmann, Alster-Registry, Presented ePCR 2021. 6 Betts, Poster Presentation HRS, 2021. 7 Galea, SWISS-APERO Trial, CIRCULATION, 2021.



Safety and Acute Procedural Outcomes of LAAO with the First-Generation WATCHMAN and Next-Generation WATCHMAN FLX™ Devices

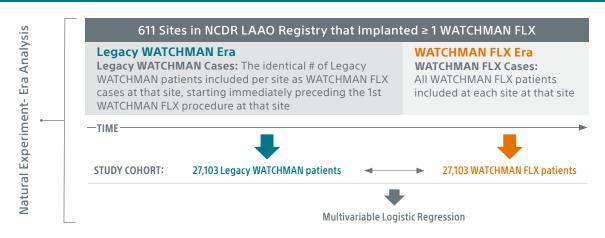
In-Hospital Outcomes for the WATCHMAN FLX LAAC Device Compared with the Legacy WATCHMAN™ LAAC Device.

View Full Study Results



Key Results: Safety

The purpose of this study was to compare the safety and acute procedural success of the first-generation Legacy WATCHMAN™ device vs the next-generation WATCHMAN FLX™ device.¹



Primary Endpoint: In-hospital major adverse events (MAE) Composite of death, cardiac arrest, stroke, TIA, ICH, SE, major bleeding, major vascular complication, MI, pericardial effusion requiring intervention, and device embolization

Late Breaking Clinical trial at HRS 2022 presented by Dr James Freeman

GLOSSARY

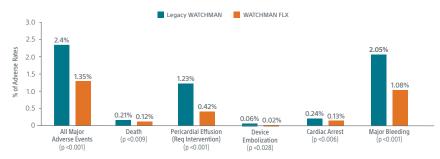
311-1333003-1



Study Outcomes

The purpose of this study was to compare the safety and acute procedural success of the first-generation WATCHMAN 2.5 device vs the next-generation WATCHMAN FLX device.¹

In-Hospital Adverse Event Rates



- In a natural experiment era analysis, WATCHMAN FLX associated with a significant 43% fewer in-hospital adverse events
- WATCHMAN FLX associated with significantly lower rates of several components of MAEs
 - Death
 - Pericardial effusion requiring intervention
 - Cardiac arrest
 - Major bleeding
 - Device embolization

Late Breaking Clinical trial at HRS 2022 presented by Dr James Freem





CHAMPION-AF Clinical Trial

The **CHAMPION-AF** trial evaluates LAAC vs NOAC in the broadest NVAF patient population to establish **WATCHMAN FLX™** Left Atrial Appendage Closure Device as a first-line option to reduce stroke risk.

View Trial Design and Rationale



CHAMPION-AF: Study Objective and Design

OBJECTIVE



The primary objective of the CHAMPION-AF Trial is to determine if left atrial appendage closure with the **WATCHMAN FLX™ LAAC Device** is a reasonable alternative compared with non-vitamin K oral anticoagulants (NOACs) in patients with non-valvular atrial fibrillation.

Randomization 1:1 WATCHMAN FLX NOAC 5 Year Follow-Up



CHAMPION AF: Primary Endpoints and Patient Selection Criteria

PRIMARY ENDPOINTS

- WATCHMAN FLX[™] LAAC Device is non-inferior for the occurrence of stroke (including ischemic and/or hemorrhagic), cardiovascular (CV) death (including unexplained death), and systemic embolism at 36 months
- WATCHMAN FLX LAAC Device is superior for non-procedural bleeding (ISTH* major bleeding and clinically relevant non-major bleeding) at 36 months
- WATCHMAN FLX LAAC Device is noninferior for the occurrence of ischemic stroke and systemic embolism at 60 months

PATIENT SELECTION

Enrollment Completed

- Patient has documented non-valvular atrial fibrillation (i.e., atrial fibrillation in the absence of moderate or greater mitral stenosis or a mechanical heart valve)
- CHA₂DS₂-VASc score of ≥ 2 for men and
 ≥ 3 for women
- Patient is deemed to be suitable for long-term NOAC

*International Society of Thrombosis and Hemostasis, Bleeding Assessment Tool.



OPTION Clinical Trial

The **OPTION Trial** evaluates LAAC with the **WATCHMAN FLX™ Left Atrial Appendage Closure Device** as a **reasonable alternative to OAC following catheter ablation** for patients with NVAF.

View Trial Design and Rationale



OPTION Trial¹

OBJECTIVE:

To determine if LAAC with the WATCHMAN FLX™ Left Atrial Appendage Closure Device is a reasonable alternative to oral anticoagulation following catheter ablation for patients with NVAF.

1600 randomized subjects at 130 sites world-wide (enrollment completed)

Randomized 1:1 (Device to OAC)

Follow-Up at 3, 12, 24, and 36 months

MEDICATION REGIMENS

Device Group

Market approved OAC and aspirin (75-100mg recommended) for 90 days followed by aspirin through at least 12-months post-implant (recommended for duration of the trial).

Control (OAC) Group

Market approved OAC used per IFU for atrial fibrillation stroke prevention for the duration of the trial.

PRIMARY ENDPOINTS

Non-inferiority: All cause death, stroke, SE through 36 months **Superiority:** Major non-procedural bleeding through 36 months

Study protocol, manuscript in development for publication



DAPT FLX

Comparative Effectiveness of Post-Procedure Medications Following Left Atrial Appendage Occlusion: A DAPT Analysis with the WATCHMAN FLXTM Device¹

Among **over 7,000 patients**, there were **no differences in rates of death, stroke, major bleeding or DRT** among those treated with DAPT vs. warfarin or DOAC plus aspirin at 45 days following LAAO with WATCHMAN FLX.

View Study Results



DAPT FLX Design

Objective

• To evaluate if dual antiplatelet therapy (DAPT) as an alternative post-implant drug regimen option is safe

Design

- National Cardiovascular Data LAAO Registry (NCDR) patients undergoing WATCHMAN FLX implant were included in unmatched and 1:1 propensity matched analyses comparing discharge on DAPT vs. Aspirin and OAC (Warfarin or DOAC)
- Inclusion criteria
 - Successful WATCHMAN FLX implant (defined as device margin residual leak \leq 5 mm at time of implant)
 - CHA₂DS₂-VASc ≥2 in men or ≥3 in women
 - Prescribed either DAPT, DOAC + Aspirin or Warfarin + Aspirin at discharge
- Differences in the composite endpoint were evaluated between groups

Primary Outcome

Composite endpoint between discharge and 45 days:

- All cause death
- Stroke
- Major bleed
- Systemic embolism

N = 17,369 DAPT = 2,122 DOAC + ASA = 13,113 Warfarin + ASA = 2,134



DAPT FLX Design

Adjusted Baseline Characteristics

To adjust for differences in baseline characteristics, 1:1 propensity score matching between groups (DAPT vs warfarin + Aspirin; DAPT vs DOAC + Aspirin) was performed. Variables included age, gender, race/ethnicity, CHA₂DS₂VASc and HAS BLED score components, atrial fibrillation pattern, diabetes, fall risk, history of bleeding, chronic lung disease, sleep apnea, cardiomyopathy, coronary artery disease, prior ablation, LVEF and post implant device margin residual leak.

·	DAPT N = 2,122	DOAC + ASA N = 2,122	P-Value	DAPT N = 1,407	Warfarin + ASA N = 1,407	P-Value
Age, y	77.1 ± 7.5	76.9 ± 7.7	0.27	76.7 ± 7.6	76.7 ± 7.6	0.88
Female sex, %	42.0	41.1	0.53	39.9	38.8	0.49
CHA ₂ DS ₂ -VASC	5.06 ± 1.4	5.04 ± 1.5	0.75	5.0 ± 1.5	4.9 ± 1.4	0.21
Vascular disease, %	59.9	59.7	0.88	58.0	57.5	0.79
Coronary artery disease, %	51.9	51.1	0.60	50.2	49.5	0.71
Prior stroke, %	25.4	24.8	0.65	25.4	23.1	0.16
History of clinically relevant bleeding, %	81.5	80.9	0.61	72.3	71.5	0.64

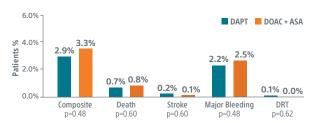


Study Outcomes

No differences in death, stroke, bleeding or DRT between DAPT and DOAC + ASA or Warfarin + ASA at 45 days following LAAO with the WATCHMAN FLX™ Device.

DAPT vs. DOAC+ASA Adjusted Outcomes

(Discharge to 45 ± 14 days)



DAPT vs. Warfarin+ASA Adjusted Outcomes

(Discharge to 45 ± 14 days)





THE ICE LAA STUDY

Intracardiac Echocardiography (ICE) can be used to successfully guide WATCHMAN FLX™ procedures, with excellent procedural success, a high rate of effective closure, and minimal periprocedural complications.¹

View Study Results

1 Nielsen-Kudsk JE et al. JACC: Cl. Mar. 2023.



ICE LAA Study Design

Objective and Design

- The objective of the ICE LAA Study was to investigate the efficacy and safety of ICE-guided LAAC with the WATCHMAN FLX™ device.
- Prospective, non-randomized, single-arm, multi-center.
- 100 patients enrolled at 7 centers in Europe.
- Independent adjudication of echocardiographic data by a core laboratory and clinical events by a clinical events committee.

Patient Characteristics

- Age: 76 ± 8 years
- CHA₂DS₂-VASc: 4.0 ± 1.5
- HAS-BLED: 2.5 ± 0.9
- Female: 33%

Primary Endpoint

The primary endpoint was effective closure defined as significant peri-device leak (>5 mm) based on the 45-day post-implant TEE and assessed by the echocardiographic core laboratory.

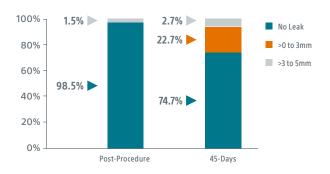


The ICE LAA results confirmed the safety of ICE-guided WATCHMAN FLX™ implant with excellent procedural success and low rates of short-term complications.

Primary Endpoint

The primary endpoint was met as the rate of leak >5 mm was 0.0% with an upper one-sided confidence interval of 4.8%, which is lower than the performance goal of 5.5% (p=0.01). (Performance goal was a post-hoc analysis).

Peri-Device Leak





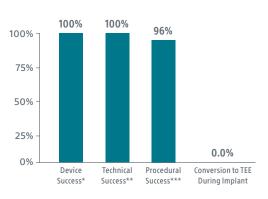




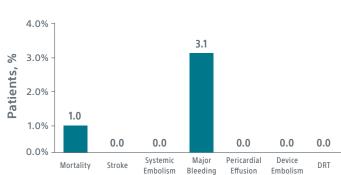
The ICE LAA results confirmed the safety of ICE-guided WATCHMAN FLX™ implant with excellent procedural success and low rates of short-term complications.

Key Procedural and 45 Day Outcomes

Procedural Outcomes



45-Day Outcomes



*Implantation of WATCHMAN FLX without in-hospital mortality **(Successful deployment and release, no conversion to TEE and effective closure of LAA at implan [no leak <5mm]) ***(Device success plus absence of in-hospital device or procedure-related CEC adjudicated events). 1 Nielsen-Kudsk JE et al. JACC: CI, Mar. 2023.



OUTCOMES AT 45 DAYS IN ~40,000 PATIENTS FROM THE NCDR LAAO REGISTRY™

ICE-guided WATCHMAN FLX™ procedures **achieved similar safety and efficacy** as TEE-guided procedures both acutely and at 45-days post procedure.¹

1 Ferro EG et al. ACC. Mar. 2023.



SURPASS ICE vs. TEE: Study Design

Objective and Design

- The objective of this analysis from the SURPASS NCDR LAAO Registry™ was to assess ICE as an alternative intraprocedural imaging modality based on outcomes through 45 days in relation to TEE-guided procedures.
- Nationwide, multicenter, prospective, non-randomized post-market surveillance registry for LAAO devices.
- 39,759 procedures with the WATCHMAN FLX™ device from October 2020 to September 2021 were included in the analysis.

Key Safety Endpoints

- Composite Major Adverse Events at 45 Days
- All-Cause Mortality at 45 Days
- Pericardial Effusion at 45 Days

Key Efficacy Endpoints

- Successful LAAO Device Implant
- Complete Seal at 45 Days (PDL = 0 mm)
- Use of General Anesthesia

1 Ferro EG et al. ACC. Marr. 2023



SURPASS ICE vs. TEE: Study Design

Periprocedural and Patient Characteristics

- Overall, 31,835 cases (80%) were performed with TEE guidance alone.
 - 2,272 cases (5.7%) were performed with ICE guidance alone.
 - 5,652 cases (12.7%) were performed with combined ICE and TEE.
- ICE cases had longer procedural times, however required less general anesthesia use.

LAAO Imaging Use

% Cases

100% | 80% | 80% | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 10

Variable	ICE (N=2,272)	TEE (N=31,835)	p-Value
Age, years [Mean ± SD (N)]	75.8 ± 8.0	76.4 ± 7.9	0.0005
Female sex [% (N)]	907 (39.9%)	13,018 (40.9%)	0.36
CHA2DS2-VASc Score [Mean ±SD (N)]	4.8 ± 1.5	4.8 ±1.5	0.24
HAS-BLED Score [Mean ± SD (N)]	2.5 ± 1.0	2.4 ±1.0	< 0.0001
Procedure Time, minutes [Mean ±SD (N)]	81.9 ± 34.8	77.8 ± 65.6	< 0.001
Contrast Volume, mL [Mean ±SD (N)]	43.5 ± 33.6	41.9 ± 36.2	0.03
Minimal Sedation (anxiolysis) [% (N)]	12 (0.53%)	29 (0.09%)	<0.001
Moderate Conscious Sedation [% (N)]	869 (38.3%)	393 (1.2%)	
General Anesthesia [% (N)]	1,387 (61.1%)	31,327 (98.7%)	
LAA Orifice Max Width, mm [Mean ±SD]	21.8 ± 5.1	20.9 ± 4.2	< 0.001
1 LAAO Device Used [% (N)]	2,046 (90.1%)	27,374 (86.0%)	< 0.001

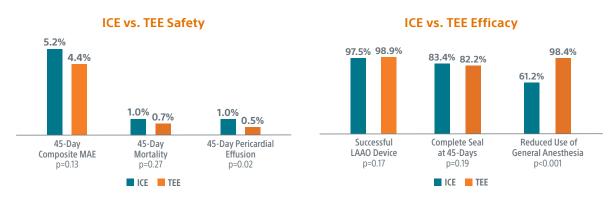
1 Ferro EG et al. ACC, Marr. 2023.



SURPASS ICE vs. TEE: Study Design

Key Safety and Efficacy Outcomes

• ICE- and TEE-guided WATCHMAN FLX™ procedures achieved similar safety and effectiveness, although, pericardial effusion rates were significantly higher in ICE-guided procedures, however, were found to decline with increasing operator experience.



Ferro EG et al. ACC. Marr. 2023





PROTECT-AF and PREVAIL Clinical Trials

These **Legacy WATCHMAN™ LAAC Device** pivotal IDE trials in the U.S. established the **WATCHMAN LAAC Device as a safe and effective alternative** to OAC in NVAF patients intolerant to long-term OAC use.¹

View Full Trial Results

1 Reddy et al., Left Atrial Appendage Closure for Stroke Prevention, IACC, 2017:2964-79



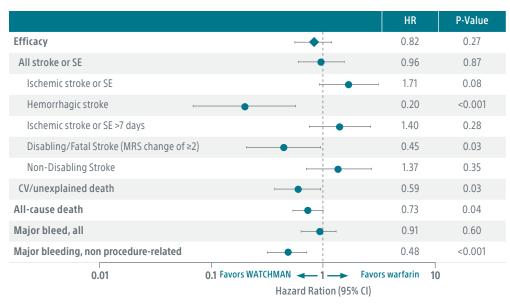
PROTECT-AF and PREVAIL Clinical Trials¹ (U.S. Legacy WATCHMAN™ Left Atrial Appendage Closure Device IDE trials)

	PROTECT-AF	PREVAIL		
Enrollment	2005-2008	2010-2012		
Purpose	Demonstrate safety and effectiveness of the WATCHMAN implant compared to long-term warfarin	Demonstrate safety and effectiveness of the WATCHMAN implant compared to long-term warfarin		
Study Design	2:1 Randomized, non-inferiority	2:1 Randomized, non-inferiority		
Primary Endpoints	 Effectiveness: Stroke, systemic embolism and cardiovascular/unexplained death 	Effectiveness: Stroke, systemic embolism and cardiovascular/unexplained death		
	 Safety: Life-threatening events, which include device embolization requiring retrieval and bleeding events 	 Effectiveness: Ischemic stroke or systemic embolism, occurring after 7 days post- randomization or WATCHMAN implant procedure 		
		 Safety: Death, ischemic stroke, systemic embolism and procedure/device-related complications within 7 days of implantation procedure 		

eddy VY, et al. JACC 2017: 70[24]: 2964-2975.



Legacy WATCHMAN™ Left Atrial Appendage Closure Device – PROTECT-AF and PREVAIL Clinical Trials (5-Year Meta-analysis)¹



55%

Relative Risk Reduction in Disabling Strokes, Compared to Warfarin

72%

Relative Risk Reduction in Bleeding*, Compared to Warfarin

27%

Relative Risk Reduction in All-Cause Mortality, Compared to Warfarin

Reddy VY, et al. JACC 2017; 70(24): 2964-2975.



NCDR-LAAO Registry™

Real-world registry data for the **Legacy WATCHMAN™ Left Atrial Appendage Closure Device** shows a **low procedural adverse event rate** and **ischemic stroke rates** comparable to prior Legacy WATCHMAN studies.^{1,2}

View Full Early Results

View Full Long-Term Results

1 Virtual presentation at ACC 2020 by Dr. James Freeman. Late Breaking Clinical Trial, March 29, 2020



National Cardiovascular Data Registry (NCDR)-LAAO Registry™

Baseline clinical characteristics of Legacy WATCHMAN™ LAAC Device patients enrolled in the NCDR-LAAO Registry within the first 3 years¹

76.0±8.1		
15,086 (41.1)		
4.8±1.5		
3.0±1.1		

- NCDR-LAAO Registry provides commercial device FDA surveillance for LAAO devices with active follow up of adverse events and clinical outcomes.
- All U.S. LAAO implants must be included in this Registry and is mandated for CMS reimbursement.
- The NCDR-LAAO Registry was developed through a collaboration with:
 - American College of Cardiology (ACC)
 - Society for Coronary Angiography and Intervention (SCAI)
 - Food and Drug Administration (FDA)
 - Centers for Medicare and Medicaid Services (CMS)
 - Boston Scientific

SH-1553805-AB



1 Virtual presentation at ACC 2020 by Dr. James Freeman. Late Breaking Clinical Trial, March 29, 2020.

Review of the First 3 Years of Registry Data¹

This three-year registry analysis of >38,000 Legacy WATCHMAN™ LAAC Device in a high-risk patient population showed low acute adverse events and high procedural success.

Adverse Event Rate

4.8%

4.2%

3.8%

2.8% **FWOI UTION²**

PROTECT AF1

CAP1

PRFVAII1

CAP21

NCDR-LAA3

Procedural Success

Closed with Leak <5mm





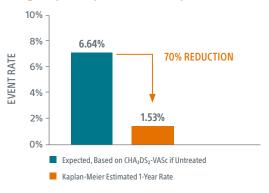
3 Freeman, JACC, March 2020, Vol 75, No. 13, 2020.



1-Year Clinical Outcomes¹

>36,000 real-world Legacy WATCHMAN™ patient's studies at 1-year show an ischemic stroke rate comparable to prior WATCHMAN studies and better than what would be expected in untreated patients with the same stroke risk.

Rate of 1-Year Ischemic Stroke in NCDR-LAAO Reigistry Compared with Imputed Placebo



Ischemic Stroke

WATCHMAN Ischemic Stroke rate represented a >70% reduction compared to the expected ischemic stroke rate* in this patient population.

The 1-year Kaplan-Meier estimate of the ischemic stroke rate was 1.53%.

This low rate represented a >70% reduction compared to the expected ischemic stroke rate in this patient population.

^{*}The imputed placebo method used to determine the expected event rate was derived from baseline thromboembolic risk and has been used in multiple prior publication:

1 Virtual Procentation at ACC 2021 by Dr. Matthew Price



PROTECT-AF, PREVAIL, CAP2 Leak Analysis

This analysis showed **Legacy WATCHMAN™ LAAC Device patients with** and without leak continued to demonstrate a meaningful stroke reduction through 5 years.¹

View Full Study Results





Study Design

Retrospective, post-hoc analysis of the Legacy WATCHMAN™ Left Atrial Appendage Closure Device using the PROTECT-AF, PREVAIL studies and CAP2 registry data.¹

> Assessment of peri-device leak (PDL) impact at 45 days and 12 months on long-term ischemic stroke or systemic embolism outcomes.

Peri-device leak from pooled patient data was categorized at 45 days and 1-year based on:

- Severity of leak (0mm vs >0-3mm vs >3-5mm vs >5mm)
- No leak vs any leak (>0mm to 5mm)

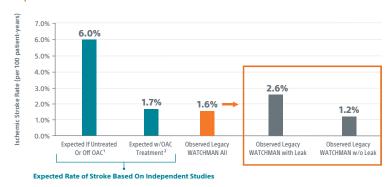




Study Outcome

There was meaningful stroke reduction at 5 years in patients with and without leak, with a combined annualized risk of 1.6% per year versus an expected ~6% risk for untreated patients.*3

Expected vs Observed Ischemic Stroke Rate for Leak



- There was no association between leak at 45 days and long-term outcomes (similarto findings from the previous published PROTECT-AF study)
- Peri-device leak at 1-vear was associated with an increased risk of ischemic stroke or systemic embolism with the Legacy WATCHMAN™ Left Atrial Appendage Closure Device



STUDY GLOSSARY





LAA Occlusion Study (LAAOS III) Trial

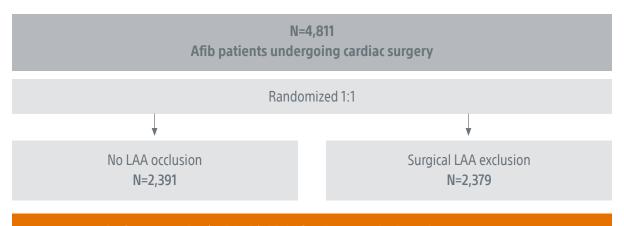
The **LAAOS III trial** confirms that surgical **LAA occlusion reduced the risk of ischemic stroke and systemic embolism** in patients with atrial fibrillation.¹

View Full Trial Results

1 Presented by Dr. Richard Whitock at ACC Virtual 2021, Published - Whitlock R NEJM, 2021.



Study Design



Both arms received OAC with 75% of patients continuing OAC use at 3 years

Primary endpoint: Ischemic stroke or systemic embolism

1 Presented by Dr. Richard Whitock at ACC Virtual 2021, Published – Whitlock R NEJM, 2021.

SH-1553805-AB



Study Primary Outcome at 3.8 years

The LAAOS III trial confirms that LAA occlusion had a statistically-significant reduction in the risk of ischemic stroke or systemic embolism vs no LAA occlusion in patients with atrial fibrillation.

	LAAO (%)	No LAAO (%)	Risk Reduction	P-Value
Ischemic Stroke or Systemic Embolism	4.8	7.0	33%	0.001
Ischemic Stroke	4.6	6.9	34%	
Systemic Embolism	0.3	0.3	14%	
Landmark Analysis				
Ischemic Stroke or Systemic Embolism within 30 Days after Surgery	2.2	2.7	18%	
Ischemic Stroke or Systemic Embolism beyond 30 Days after Surgery	2.7	4.6	42%	

STLIDY

GLOSSARY



BRIEF

SUMMARY

PRAGUE 17 4-Year Outcomes

Confirms the clinical benefit of LAAC in high-risk NVAF patients over NOAC therapy.¹

View Full Study Results

1 Presented TCT 2021, Published – Pavel Osmancik, MD, et al, JACC 2022, 4-Year Outcomes After LAAC Versus NOAC for Atrial Fibrillation.



Study Design

Design:

Investigator-initiated, multi-center (10 centers/Czech Republic), prospective, randomized non-inferiority study.

Objective:

Evaluate if LAAC (Amplatzer Amulet™ LAA Occluder/Legacy WATCHMAN™ Left Atrial Appendage Closure Implant Device) in a high-risk NVAF patient population [mean CHA₂DS₂-VASc score 4.7] is non-inferior to NOAC for:

Primary Endpoint (composite of):

- Stroke or transient ischemic attack (TIA)
- Systemic Embolism
- Clinically significant bleeding*
- · Cardiovascular death, or
- Significant peri-procedural or device-related complication

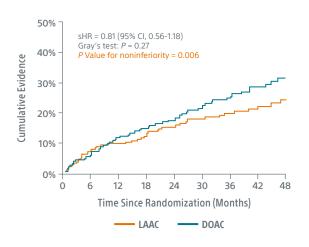


Study Outcome at 48 Months

Confirms the clinical benefit of LAAC in high-risk NVAF patients over NOAC therapy.1

Primary Endpoint

Stoke, TIA, SE, CV Death, Bleeding or Complications



- 4-year primary outcomes show non-inferiority for LAAC vs NOAC in a very high risk NVAF patients, Mean CHA₂DS₂-VASc score 4.7
- Non-procedural bleeding was significantly reduced with LAAC



Brief Summary

WATCHMAN FLX™ Left Atrial Appendage Closure Device with Delivery System and WATCHMAN™ Access System

CAUTION: Federal law (USA) restricts this device to sale by or on the order of a physician. Rx only. Prior to use, please see the complete "Instructions for Use" for more information on Indications, Contraindications, Warnings, Precautions, Adverse Events, and Operator's Instructions.

INTENDED USE/INDICATIONS FOR USE

The WATCHMAN FLX™ Device is indicated to reduce the risk of thromboembolism from the left atrial appendage in patients with non-valvular atrial fibrillation who:

- Are at increased risk for stroke and systemic embolism based on CHA₂DS₂-VASc scores and are recommended for anticoagulation therapy;
- Are deemed by their physicians to be suitable for anticoagulation therapy;
- Have an appropriate rationale to seek a non-pharmacologic alternative to anticoagulation therapy, taking into account the safety and effectiveness of the device compared to anticoagulation therapy.

CONTRAINDICATIONS

Do not use the WATCHMAN FLX Device if:

- Intracardiac thrombus is present.
- An atrial septal defect repair or closure device or a patent foramen ovale repair or closure device is present.
- The LAA anatomy will not accommodate a Closure Device (see Table 62 of the eIFU).
- The patient has a known hypersensitivity to any portion of the device material
 or the individual components (see Device Description section of the eIFU) such

that the use of the WATCHMAN FLX Device is contraindicated.

- Any of the customary contraindications for other percutaneous catheterization
 procedure (e.g., patient size too small to accommodate TEE probe or required
 catheters) or conditions (e.g., active infection, bleeding disorder) are present.
- There are contraindications to the use of anticoagulation therapy, aspirin, or P2Y12 inhibitor.

WARNINGS

Implantation of the WATCHMAN FLX Device should only be performed by interventional cardiologists and/or electrophysiologists who are proficient in percutaneous procedures, transseptal procedures, the imaging modality utilized and who have completed the WATCHMAN FLX Physician Training program.

- This device has not been studied in pregnant or breastfeeding women. Careful
 consideration should be given to use of the Closure Device in pregnant and/or
 breastfeeding women due to the risk of significant exposure to x-rays and the
 use of anticoagulation medication.
- Device selection should be based on accurate LAA measurements obtained
 using transesophageal or intracardiac echocardiographic imaging guidance in
 multiple views to avoid improper Closure Device sizing. For TEE recommended
 in multiple angles [e.g., 0°, 45°, 90°, 135°]); For ICE imaging, visualization of the
 LAA is recommended with the following anatomical structures: aortic valve
 (short-axis), mitral valve (long-axis), and pulmonary artery (short-axis), to
 assess the minimum and maximum diameter of the LAA ostium.

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Brief Summary (continued)

- Do not release (i.e., unscrew) the WATCHMAN FLX Device from the core wire unless all release criteria are satisfied to avoid suboptimal results.
- Potential for Closure Device embolization exists with cardioversion < 30 days following Closure Device implantation; verify Closure Device position after cardioversion during this period.
- Appropriate post-procedure drug therapy should be followed. See Post-Procedure Information section (of the eIFU) for further detail.

PRECAUTIONS

- The safety and effectiveness (and benefit-risk profile) of the WATCHMAN FLX Device has not been established in patients for whom long-term anticoagulation is determined to be contraindicated.
- The LAA is a thin-walled structure. Use caution when accessing the LAA, and deploying, recapturing, and repositioning the Closure Device.
- Use caution when introducing a WATCHMAN Access System to prevent damage to cardiac structures.
- Use caution when introducing the Delivery System to prevent damage to cardiac structures
- To prevent damage to the Delivery Catheter or Closure Device, do not allow the WATCHMAN FLX Device to protrude beyond the distal tip of the Delivery Catheter when inserting the Delivery System into the Access Sheath.
- If using a power injector, the maximum pressure should not exceed 690 kPa (100 psi).

PATIENT SELECTION FOR TREATMENT

In considering the use of the WATCHMAN FLX Device, the rationale for seeking an alternative to long-term anticoagulation therapy and the safety and effectiveness of the device compared to anticoagulation should be taken into account.

 The presence of indication(s) for long-term anticoagulation therapy, other than non-valvular atrial fibrillation (e.g., mechanical heart valve, hypercoagulable states, recurrent deep venous thrombosis). Details regarding the indications, contraindications, warnings, and precautions for oral anticoagulants approved for patients with non-valvular atrial fibrillation are provided in their respective Instructions for Use.

Of note:

- The safety and effectiveness (and benefit-risk profile) of the WATCHMAN FLX
 Device has not been established in patients for whom long-term anticoagulation
 is determined to be contraindicated. Factors that need to be considered for the
 WATCHMAN FLX Device and implantation procedure include the following:
- Overall medical status, including conditions which might preclude the safety of a percutaneous, transcatheter procedure.
- Suitability for percutaneous, transseptal procedures, including considerations of:
 - Cardiac anatomy relating to the LAA size and shape.
- Vascular access anatomy (e.g., femoral vein size, thrombus, or tortuosity).
- Ability of the patient to tolerate general or local anesthesia.
- Ability of the patient to undergo required imaging.

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Brief Summary (continued)

• Ability to comply with the recommended post-WATCHMAN FLX Device implant pharmacologic regimen (see Post-Procedure Information section) especially for patients at high risk for bleeding.

ADVERSE EVENTS

Potential adverse events (in alphabetical order) which may be associated with the use of a left atrial appendage closure device or implantation procedure include but are not limited to:

Air embolism, Airway trauma, Allergic reaction to the contrast media, anesthetic. WATCHMAN Implant material, or medication, Altered mental status, Anemia requiring transfusion. Anesthesia risks, Angina, Anoxic encephalopathy, Arrhythmias. Atrial septal defect, Bruising, hematoma, or seroma near the catheter insertion site, Cardiac perforation, Chest pain/discomfort, Confusion post procedure, Congestive heart failure. Contrast related nephropathy. Cranial bleed, Death, Decreased hemoglobin, Deep vein thrombosis, Device embolism, Device fracture, Device thrombosis, Edema, Embolism, Excessive bleeding, Fever, Fistula, Groin pain, Groin puncture bleed, Hematuria, Hemoptysis, Hypotension, Hypoxia, Improper wound healing, Inability to reposition, recapture, or retrieve the device, Infection/ pneumonia, Interatrial septum thrombus, Intratracheal bleeding, Major bleeding requiring transfusion, Misplacement of the device/improper seal of the appendage/ movement of device from appendage wall, Myocardial erosion, Myocardial infarction, Nausea, Oral bleeding, Pericardial effusion/tamponade, Pleural effusion, Prolonged bleeding from a laceration, Pseudoaneurysm, Pulmonary edema, Radiation injury, Renal failure, Respiratory insufficiency/failure, Stroke - Hemorrhagic, Stroke -

Ischemic, Surgical removal of the device, TEE complications (e.g., throat pain, bleeding, esophageal trauma), Thrombocytopenia, Thrombosis, Transient ischemic attack (TIA). Valvular or vascular damage. Vasovagal reactions.

There may be other potential adverse events that are unforeseen at this time. 92574167 B 5

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SUMMARY



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STUDY