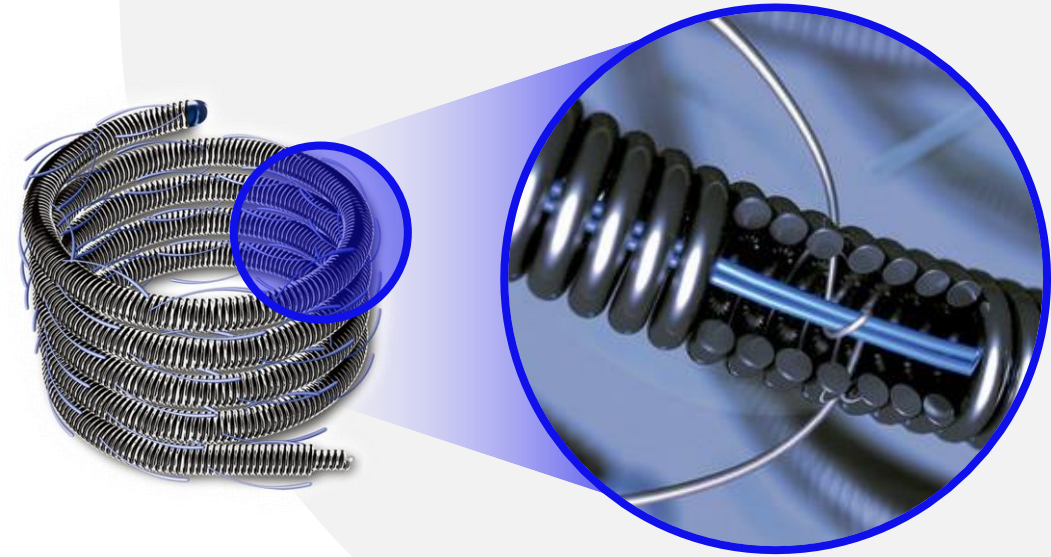


# 소개합니다!

## PGLA coil is now Available!

### Axium MicroFX Coil

PGLA Fiber 가 달려있는 디자인으로  
Neck flow 차단과 Thrombus formation 에  
더욱 효과적입니다.<sup>1)</sup>



PGLA  
2mm fiber  
0.009" 두께

First loop  
No filament

Small  
2~10mm (0.0165")  
Large  
12mm (0.021")  
Coil spec.

Neuro  
Indication

1) 기존 메드트로닉 제품과의 비교 (Compared to Axium™ coils.)

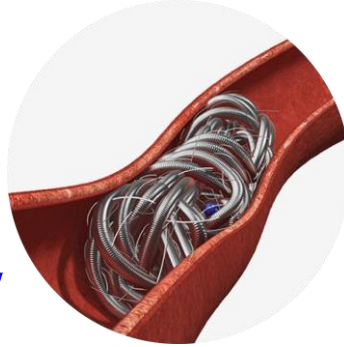
Reference.

1. Girdhar G, et al, In-vitro thrombogenicity assessment of polymer filament modified and native platinum embolic coils, J Neurol Sci (2014)  
2. FD2318 Rev A: In-vitro experimentation in two 4 mm wide-neck bifurcation aneurysm models, one coiled with Axium™ Bare and the other with Axium MicroFX. Performed by Prof. David H. Frakes PhD, Assistant Professor and Haithem Babiker, School of Biological and Health Systems Engineering School of Electrical, Computer, and Energy Engineering Arizona State University, in collaboration with Dr Fernando Gonzales at the Keller Center for imaging Innovation, Barrow Neurological Institute

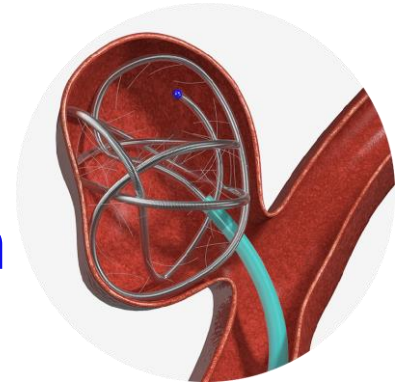
**Medtronic**

# Axium MicroFX Coil 은 다양한 indication 에 효과적으로 사용할 수 있습니다.

framing  
*Easy* in High Flow



Filling  
*Easy* in Aneurysm



| Disease             | High flow | Filling |
|---------------------|-----------|---------|
| Vessel Sacrifice    | V         |         |
| AVM/AVF (CCF)       | V         |         |
| Unruptured Aneurysm |           | V       |
| Giant Aneurysm      |           | V       |

Reference.

1. Fargen KM, Blackburn S, Carpenter JS, et al. J NeuroIntervent Surg Published Online First: doi:10.1136/neurintsurg-2013-010887

2. Effect of fiber diameter and orientation on fibroblast morphology and proliferation on electrospun poly (D,L-lactic-co-glycolic acid) meshes. Biomaterials, 2006;27(33):5681-5688. Bashur, et.al.

# Axium™ MicroFX Coil 궁금증을 풀어 드립니다!

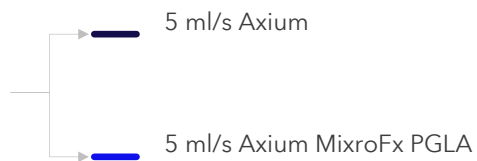
## Q. Lattice Technology 가 뭔가요?

Fiber 가 달린 coil 들이 모여 촘촘한 그물 (Lattice) 망을 형성하는 것을 말합니다.

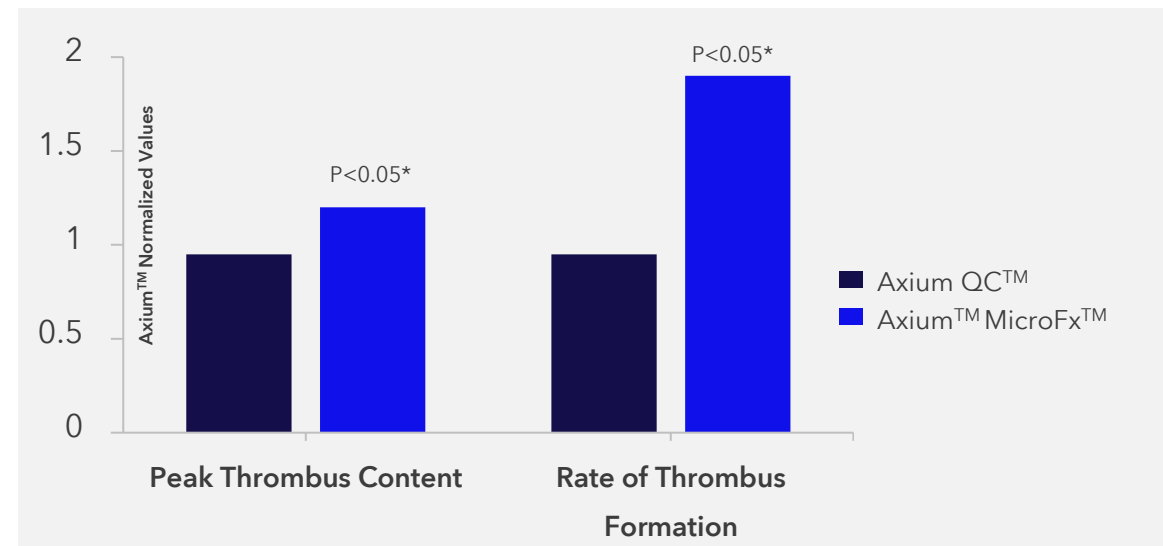


# 33%

Reduction in Flow with  
MicroFx™ Coils



- ① 촘촘한 그물이 물리적 안정성을 제공하여, bare platinum coil 보다 뇌동맥류에 거치 시 Neck flow 을 효율적으로 차단해 줍니다. (Scaffolding effect)
- ② 혈소판이 더 많은 면적에서 부착할 수 있어 혈전 생성을 촉진시켜 줍니다. <sup>2)</sup>



2) 기존 메드트로닉 제품과의 비교 (Compared to Axium™ coils.)

Reference. Test Report Number BMCR01091412,, Covidien Biomaterials Test Report, Mansfield, MA \* p values shown for each coil type are compared to Axium™ coils for the same attribute

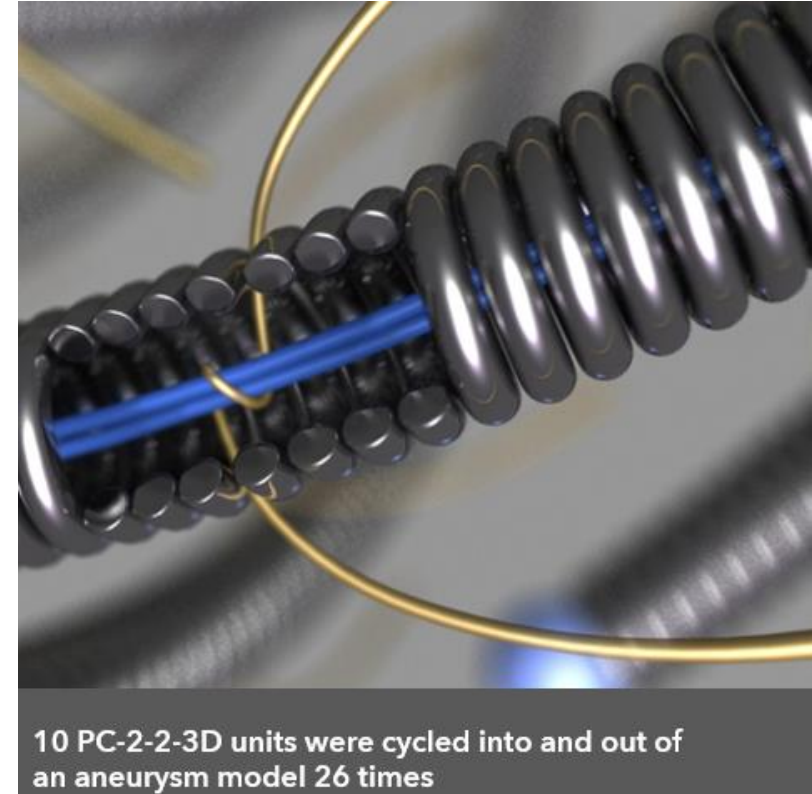
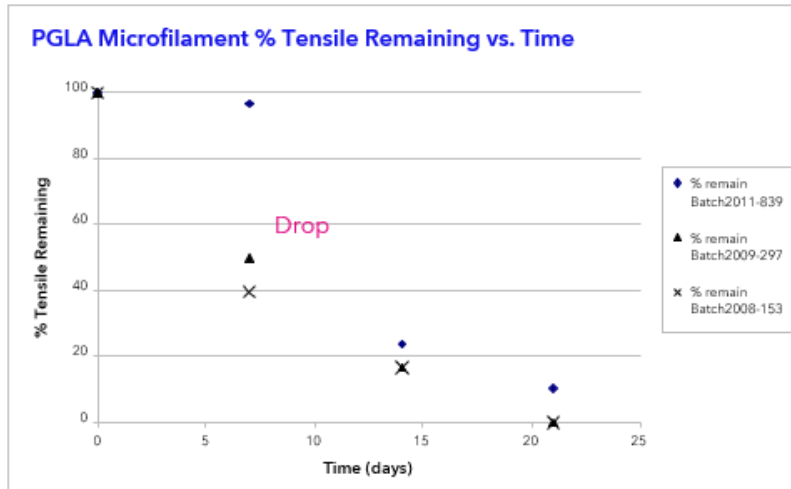
Medtronic

# Axium™ MicroFX Coil 공금증을 풀어 드립니다!

## Q. PGLA Coil 안전한가요?

네, 20년이 넘게 시장에서 계속해서 판매해온 PGLA coil 입니다.

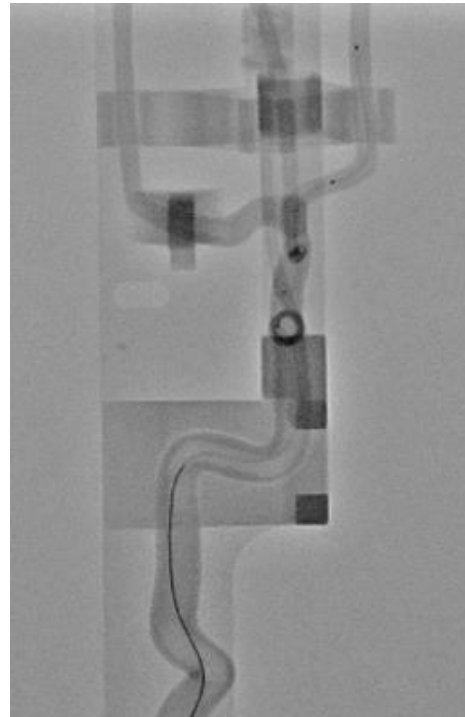
- ① PGLA의 뛰어난 생체 적합성으로 시간이 지나면 자연 분해 됩니다.
- ② PGLA fiber가 달린 코일을 동맥류 안에 넣고 뺐다를 260회 반복해도 fiber의 유실이 없었습니다.
- ③ In-vivo 테스트 결과, 600개의 fiber filament를 돼지에 주입해도 추적 결과 염증이나 경색의 반응이 적었습니다.



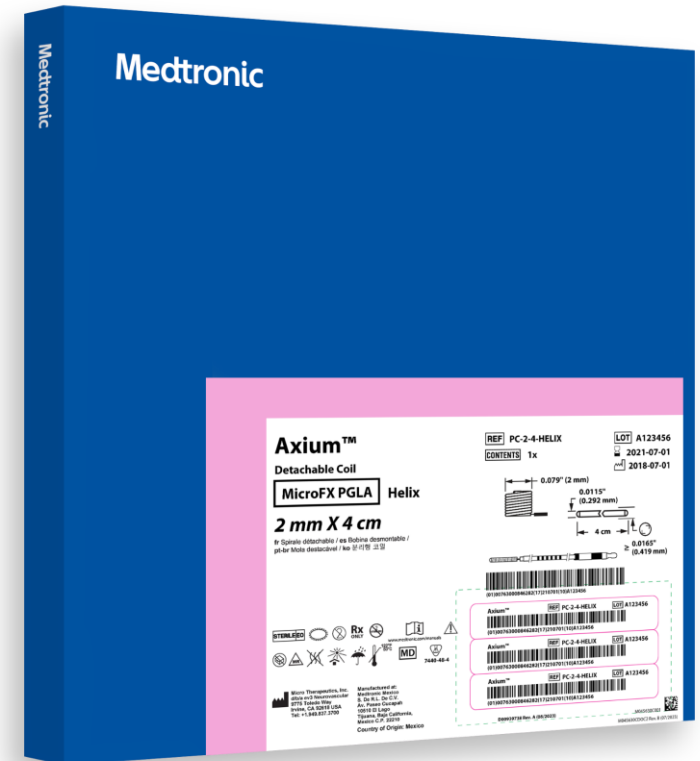
Efforts are being made to reduce unnecessary radiation  
저희 드디어 마커를 달았습니다!

이렇게 생겼습니다.

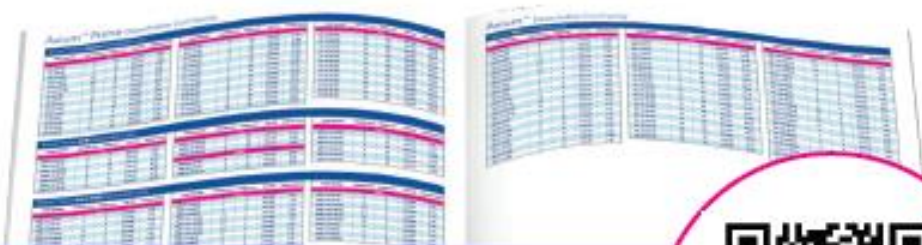
얼룩말 무늬의 6개의 마커를 가지고 있습니다. Coil 의 distal 에서 약 152cm 아래에  
위치하고 있습니다. Phenom 카테터를 통해 딜리버리 할 때, 동맥류에 근접하게 도달  
할 수 있습니다.



New packaging



Medtronic



**Axium™ Ordering Info<sup>31</sup> >**



Phenom™  
Catheter

**See Phenom™ deliver<sup>30</sup> >**



# Experience the Axium™ Effect

Total aneurysm protection



Axium™ Prime  
**Frame**  
Detachable Coil

Axium™ Prime  
**Extra Soft**  
Detachable Coil

Axium™ Prime  
**Soft**  
Detachable Coil

Axium™  
**MicroFX™**  
Detachable Coil

Axium™ Prime  
**QC**  
Detachable Coil

**Medtronic**