

PRIORITY CERTIFICATE

Certificate No.: PC2017-345456

Granted: June 24, 2018

**First performance of surgical reconstruction of
damaged herniated disks by using polymer implants
and UV laser annealing**

**World New Ideas
&
Stanfor University**

Dr. Jonathan Smith
(University of New Carolina)

**“Top 10 medical achievements in Orthopedic Surgery”
for year 2018**



The Board of Directors of Academic Services Inc. attests that an expert examiner has been commissioned to diligently and competently examine the priority-claims in this priority-certificate and that the examiner has found that the claimants herein are the first to perform the medical procedures claimed in this priority-certificate.

Thereby, a Priority-Certificate has been granted today June 24, 2018 attesting that Dr. Jonathan R. Smith is the first to perform the medical procedures claimed in this priority-certificate.

President of Academic Services Inc.

A handwritten signature in black ink that reads "John Hancock".

Claim 1: Claimant is the first to perform a surgical procedure for reconstruction of herniated discs, the procedure comprising the following steps:

removing the herniated parts of the C6-7 disc by an endoscopic device;
stabilizing the nucleus pulposus;
inserting a polymer solution into the C6-7 disc thereby sealing the nucleus pulposus; and
annealing the polymer solution by using a deep UV laser.

... see all claims & specification on next pages