

Biosketch: Steven R. Cohen MD, FACS

Dr. Steven Cohen is an internationally recognized plastic surgeon, inventor, artist, entrepreneur and lifelong student. He is in private practice in La Jolla California and a Clinical Professor of Plastic Surgery at the University of California, San Diego. Initially interested in cardiovascular surgery, Dr. Cohen trained in general surgery at Columbia Presbyterian Hospital in New York City and did a two year fellowship in cardiac surgery at the National Institutes of Health. While at NIH, Dr. Cohen saw a magnificent program on the new field of Craniofacial Surgery and changed his career path. After completing general surgery at Dartmouth and a plastic surgery residency at the University of Pennsylvania, Dr. Cohen went on to finish his training with a fellowship in Craniofacial and Facial Plastic Surgery at UCLA under the direction of Dr. Henry Kawamoto. Following his training, Dr. Cohen founded the Craniofacial Anomalies Program at the University of Michigan, where he served as Director of Craniofacial Surgery and Chief of Pediatric Plastic Surgery from 1990-94. From 1994-1999, Dr. Cohen served as co-director of the Center for Craniofacial Disorders at Children's Healthcare of Atlanta. In 1999, Dr. Cohen relocated to San Diego, California and became director of Craniofacial Surgery at Rady Children's Hospital where he stepped down into his full time aesthetic practice in 2016.

During his career in Craniofacial Surgery, Dr. Cohen invented the first commercially distributed internal craniofacial distraction device, which has been distributed by Stryker since 1997 and holds a patent on the first resorbable distraction device (Macropore Biosurgery, now owned by Medtronic). He performed the first neonatal mandibular distraction to prevent tracheostomy in a one week old infant with Pierre Robin (1997), the first internal Monobloc Distraction (1994) and Facial Bipartition with Distraction (1995). Dr. Cohen and his team were the third group in the world to perform endoscopic craniosynostosis surgery and helped launch Macropore Biosurgery, an innovative company making bioresorbable devices. In 2000, Dr. Cohen along with Dr. Ralph Holmes and Christopher Calhoun founded LeonardoMD, one of the earliest cloud computing companies in medicine, sold to Azalea Medical in 2016.

Dr. Cohen has always loved innovation. Since 2002, Dr. Cohen has concentrated his efforts in the field of regenerative medicine and aesthetics, performing the earliest cases of adipocyte derived stem and regenerative cell assisted cases (now known as SVF, Stromal Vascular Fraction) for facial aging, and most recently (2016-2019) co-inventing several new disposable systems for fat grafting and nanofat production (Tulip Medical, Millenium Medical and Lipocube, Inc.). Dr. Cohen has a provisional patent on his technique of anatomic and regenerative fat grafting, ITR<sup>2</sup>, Injectable Tissue Replacement and Regeneration and recently submitted a patent with MicroAire for new tools for hydro-dissection of subcutaneous tissue during facelift surgery.

Dr. Cohen has been named as one of the best plastic surgeons in America by the US News and World Report, Castle Connolly and Best Doctors, Inc. for numerous years. He has been voted 10 times as one of the best plastic surgeons in San Diego by the San Diego Medical Society and previously in Atlanta. He has served on the editorial boards of Plastic Reconstructive Surgery, the Cleft Palate-Craniofacial Journal, the Annals of Plastic Surgery, and presently is on the editorial boards of the Aesthetic Surgery Journal and the Journal of Aesthetic Surgery. He has written over 170 publications and edited two textbooks in Plastic Surgery, one of which, on aesthetic fillers has been translated into Korean and Mandarin. Dr. Cohen has been an invited lecturer, demonstrating surgical techniques throughout the world at centers such as Johns Hopkins and Stanford University Medical Center as well as in leading aesthetic and academic centers in Japan, Korea, Russia, Hong Kong, China, Taiwan, France, Colombia and Italy to name a few. His work in facial aesthetics and most recently his new concept of fat grafting, which is based on anatomic placement and regeneration of decayed tissues has received worldwide interest. He received the Tiffany Award from the American Society of Aesthetic Plastic Surgery for his work showing progressive improvement in facial volume after Injectable Tissue Replacement and Regeneration, a new standardized fat grafting technique in combination with his unique approach of skin elevation and extended deep plane, SMAS facelift. In addition to his medical career, Dr. Cohen is an artist, and his paintings are in nearly 100 private collections. In 2015 Dr. Cohen had a solo exhibition in Paris at the Gallery Beres. He continues to show and sell his work, donating the proceeds to charity.

#### Significant Contributions:

\*Lead article in the Journal of Cardiothoracic Surgery- 1987 Part I: Tricuspid regurgitation in patients with acquired, chronic, pure mitral regurgitation. I. Prevalence, diagnosis, and comparison of preoperative clinical and hemodynamic features in patients with and without tricuspid regurgitation. Part II: Tricuspid regurgitation in patients with acquired, chronic, pure mitral regurgitation. II. Nonoperative management, tricuspid valve annuloplasty, and tricuspid valve replacement.

\*Inventor of the Midface Internal Distractor (distributed by Stryker, Inc.)- 1995.

\*First Monobloc Distraction and first facial bipartition case in the world with Internal Distraction- 1997 (has become the standard of care worldwide).

\*First Mandibular Distraction in neonates with Pierre Robin syndrome- 1997 (has become the standard of care worldwide for treatment of neonatal airway obstruction)

\*Endoscopic Craniosynostosis Repair- 3<sup>rd</sup> team in the world. Received the best paper of the year award from the Journal of Craniofacial Surgery in 2002.

\*Co-founder, LeonardoMD- one of the earliest cloud computing companies in medicine, sold to Azalea Health.

\*Biodegradable distraction devices, Patent granted September 7, 2004. US patent no. 6,786,919 B2.

\*14<sup>th</sup> Practice in the world to adopt fractional lasers.

\*First in the world to use adipose derived stem cells (SVF) for facial aging, 2004.

\*First to develop and use Nanofat Biocreme for facial aging- patent pending.

\*First to use Nanofat Microneedling for Skin Regeneration- patent pending.

\*Developed Injectable Tissue Replacement and Regeneration (ITR<sup>2</sup>) and Injectable Tissue Engineering- trademarked and patent pending.

\*Tiffany Award from the American Society of Aesthetic Plastic Surgery, 2018 for best scientific presentation.

#### Education, Training, Employment

1972 - 1976 · B.A. English (Summa Cum Laude)  
Emory University  
Atlanta, GA

1976 - 1980 · M.D.  
George Washington School of Medicine  
Washington, D.C.

1980 - 1981 · General Surgery Internship  
Columbia-Presbyterian Medical Center  
New York, NY

1981 - 1982 · General Surgery Residency/Fellowship  
Columbia-Presbyterian Medical Center  
New York, NY

1982 - 1984 · Clinical Associate in Cardiac Surgery

National Institutes of Health · National Heart, Lung, and Blood Institute · Cardiac Surgery Branch  
Bethesda, Maryland

1984 – 1987 · General Surgery Residency  
Dartmouth-Hitchcock Medical Center  
Hanover, New Hampshire

1987 - 1989 · Plastic and Reconstructive Surgery Residency  
University of Pennsylvania  
Philadelphia, Pennsylvania

1989 - 1990 · Craniofacial and Advanced Facial Plastic Surgery Fellowship  
University of California at Los Angeles Medical Center  
Los Angeles, California

1990 – 1994 · University of Michigan, Director, Craniofacial Anomalies Program, Chief, Pediatric  
Plastic Surgery, Mott Children’s Hospital, Ann Arbor, California

1994 - 1999 · Atlanta Plastic Surgery, Co-Director, Center for Craniofacial Disorders, Atlanta Children’s  
Medical Center

1999 - 2019 · Medical Director and Owner, FACES+Plastic Surgery, Skin and Laser Center; Clinical  
Professor, University of California, San Diego, California; Emeritus Director, Center for Craniofacial  
Disorders, Rady Children’s Hospital, San Diego, California