

# Michele Lanza, MD

*Assistant Professor in Ophthalmology at Università degli Studi della Campania, Luigi Vanvitelli*

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## EDUCATION

Seconda Università di Napoli, Napoli, Italy: Graduation in Medicine and Surgery (2001)

Seconda Università di Napoli, Napoli, Italy: Residency program in Ophthalmology (2005)

SILESIA UNIVERSITY OF TECHNOLOGY, FACULTY OF BIOMEDICAL ENGINEERING, PhD Biocybernetics and Biomedical Engineering (2018)

## Professional Position

2003-Current: Assistant Professor in Ophthalmology at Università degli Studi della Campania, Luigi Vanvitelli

2004-2012: researcher at Sezione di Ricerca Clinica in Oftalmologia del Centro di Servizi di Ateneo "Grandi Apparecchiature" della Seconda Università degli Studi di Napoli (Italy).

2007-2012: works as ophthalmologist at Hospital Santa Maria del Popolo degli Incurabili, ASL Na 1 centro, napoli, Italy

2012: works as ophthalmologist at Hospital Clinica Città di Brescia, Brescia, Italy.

## AWARDS AND DISTINCTIONS

1. Merk Sharp & Dohme Italy award for better communication presented at the XIX Congress SILO (Italian Society Lasers in Ophthalmology), held in Cortina d'Ampezzo 23 to 25 January 2003.
2. OPTIKON 2000 award for the best communication presented at the XX Congress SILO (Italian Society of Lasers in Ophthalmology), held in Cortina d'Ampezzo 29 to 31 January 2004.
3. OPTIKON 2000 award for the best communication presented at the XXI Congress SILO (Italian Society of Lasers in Ophthalmology), held in Cavalese (BL) 20-22 January 2005.
4. Recognition of the contribution of value to the scientific program of the XXIV Congress of the ESCRS, held in London (United Kingdom) from 9 to 13 September 2006
5. OPTIKON 2000 award for the best communication presented at the XXIII Congress SILO (Italian Society of Lasers in Ophthalmology), held in Cortina d'Ampezzo 25-27 January 2007.
6. Recognition of two posters of the best 50 presented at the congress American Academy of Ophthalmology, New Orleans, Louisiana (USA), 9-13 November 2007
7. Recognition of a poster of the best 50 presented at the congress American Academy of Ophthalmology, Atlanta, Georgia (USA), 8-11 November 2008
8. Achievement Award of the American Academy of Ophthalmology 2013
9. Recognition of the contribution of value to the scientific program of the Annual Meeting of the American Academy of Ophthalmology 2014
10. Recognition of the contribution of value to the scientific program of the Annual Meeting of the American Academy of Ophthalmology 2016

**Principal investigator** in grant funded by the own University 2008: Reliability evaluation of the reliability of selective laser trabeculoplastica in open angle glaucoma therapy.

**Principal investigator** in grant funded by the Ministry of Education in 2008: EVALUATION OF PIGMENTED choroidal tumors and conjunctival ULTRASOUND WITH HIGH FREQUENCY AND MICROSCOPY CONFOCAL.

**Principal investigator** in grant funded by own University Department, year 2013: COMPARATIVE EFFECTIVENESS EVALUATION OF TWO DIFFERENT TORIC IOL IN CORRECTION OF ASTIGMATISM IN

PATIENTS TO BE SUBMITTED TO THE CATARACT SURGERY.

Principal **investigator** in grant funded by own University Department, year 2015: Comparison of Morphological Changes and operated obtained by performing perforating corneal transplantation and lamellar technique in patients with keratoconus.

**Co-investigator** in grant funded by own University 2003: ASSESSMENT OF INTRAOCULAR PRESSURE IN SUBJECTS UNDERGOING REFRACTIVE SURGERY.

**Co-investigator** in grant funded by Regione Campania 2003: CALCULATION OF THE POWER OF INTRAOCULAR LENS IN SUBJECTS UNDERGOING REFRACTIVE SURGERY

**Co-investigator** in grant funded by Ministry of Education in 2003: MORPHOLOGICAL AND FUNCTIONAL EVALUATION OF THE CORNEA OF ENTITIES SUBJECT TO TECHNICAL CORRECTION OF SURGICAL REFRACTIVE DEFECTS

**Co-investigator** in grant funded by own University 2004: QUANTITATIVE EVALUATION OF CORNEAL MODIFICAZIONI INDUCED BY PRK

**Co-investigator** in grant funded by own University 2005: RELIABILITY ASSESSMENT 'OF LASER THERAPY IN SELECTIVE TRABECULOPLASTY IN OPEN ANGLE GLAUCOMA.

**Co-investigator** in grant funded by own University 2007: ASSESSMENT OF INTRAOCULAR PRESSURE IN PATIENTS UNDERGOING SURGERY

**Co-investigator** in grant funded by Regione Campania 2007: EVALUATION OF NEW METHODS FOR EARLY DIAGNOSIS AND DIFFERENTIATE CANCER CORNEAL

**Co-investigator** in grant funded by Regione Campania 2007: EVALUATION RELIABILITY 'AND EFFECTIVENESS OF SURGICAL TECHNIQUES AND INNOVATIVE parasurgical IN THERAPY OF DIFFERENT TYPES OF GLAUCOMA

**Co-investigator** in grant funded by own University 2009: STUDY OF CHANGES INDUCED BY LEVEL corneal Refractive surgery; Funded project on 2009 University Research Funds, Second University of Naples

**Co-investigator** in grant funded by own University 2009: ALTERATIONS TO EYES IN PATIENTS WITH SPECIAL SYSTEMIC SYNDROMES

**Co-investigator** in grant funded by own University 2009: EFFECTIVENESS OF LASER THERAPY IN GLAUCOMA

**Co-investigator** in grant funded by own University 2010: CORNEAL HYSTERESIS EVALUATION IN PATIENTS UNDERGOING CROSSLINKING

**Co-investigator** in grant funded by own University 2010: ASSESSMENT OF INTRAOCULAR PRESSURE IN PATIENTS WITH SCAPULOHUMERAL DYSTROPHY

**Co-investigator** in grant funded by own University 2010: EVALUATION OF MORPHOLOGICAL CORNEAL CHANGES OF PATIENTS WITH KERATOCONUS AND SUBJECT TO TREATMENT WITH CROSS LINKING TRANS EPITHELIAL

**Co-investigator** in grant funded by own University 2010: VALUTAZIONE E CHANGES OF PROPERTY 'BIOMECHANICAL CORNEAL INDUCED BY REFRACTIVE SURGERY.

**Co-investigator** in grant funded by Novartis 2015/16: A RANDOMIZED, OPEN LABEL, MULTI CENTER, TWO ARM, PHASE II STUDY TO INVESTIGATE THE BENEFITS OF AN IMPROVED FORMULATION deferasirox (FILM-COATED TABLETS).

## PERSONAL ACTIVITIES

**Member of the following scientific society:** Italian Society of Ophthalmology (since 2002); Italian companies Lasers in Ophthalmology (2003); European Association Ophthalmic Standardized Echography (since 2002); Societas Internationalis pro Diagnostic Ultrasound in Ophthalmologia (since 2003); European Society of Cataract and Refractive Surgery (since 2003); American Academy of Ophthalmology (since 2003); International Society of Refractive Surgery (since 2004); American Society of Cataract and Refractive Surgery (since 2005).

**Editor activities for the following journals:** Reviewer for Journal of Cataract and Refractive Surgery since 2008, for the Journal of Refractive Surgery in 2013, for Investigative Ophthalmology & Visual Science 2014, for Computers in Biology and Medicine 2014, for Contact Lens & Anterior Eye 2014, for the Journal of Biophotonics 2014, for BioMedical Engineering Online since 2015, for Omics Publishing Group from 2015, for Biomed Research from 2016, for Optometry and Visual Science from 2016, for the Journal of Global Health Sciences from 2016, for International Journal of Ophthalmology from 2016, Journal of Current Ophthalmology from 2016, International Journal of

Ophthalmology and Clinical Research from 2016, for the American Journal of Ophthalmology from 2016, for the Journal Clusters in Ophthalmology from 2016

**Member of the 'Editorial Board** of Conference Papers in Medicine from 2012 to 2014; of the Journal Ophthalmology and Optometry from 2016, of the journal Ophthalmology EC from 2016

**Lead Guest Editor** for Special Issue entitled Latest Innovations and New prospects in Diagnosis and Therapy of Diseases for Keratoconus and Corneal Surface Journal of Ophthalmology 2015

**Lead Guest Editor** for Special Issue entitled Last Advances in Imaging of Macula and Optic Nerve for Biomed Research Journal in 2016

**Guest Editor** for Special issue entitled Image Processing in Ophthalmology for the Journal of Healthcare Engineering 2016

**AUDITOR FOR RESEARCH PROJECTS FUNDED BY THE MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN – 2014-16**

**Reviewer** for research projects funded by the National Science Center (Poland) 2016

**AUDITOR FOR RESEARCH PROJECTS FUNDED BY THE MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN – 2017-20**

## Writing & Research

### Paper published on international journal with impact factor

- 1) Rosa N, Lanza M, De Rosa G, Romano A Anterior corneal surface after NIDEK EC-5000 multipass and multizone photorefractive keratectomy for miopia. J Refract Surg 2002; 18:460-462.
- 2) Rosa N, Capasso L, Lanza M, Furgiuele D, Romano A. Reliability of the IOLMaster in measuring corneal power changes after photorefractive keratectomy. J Cataract Refract Surg. 2004 Feb;30(2):409-13.
- 3) Nicola Rosa, Dario Furgiuele, Michele Lanza, Luigi Capasso, Antonio Romano. Correlation of Changes in Refraction and Corneal Topography After Photorefractive Keratectomy J Refract Surg. 2004 Sep-Oct;20(5):478-83
- 4) Rosa Nicola, Capasso Luigi, Lanza Michele. Double-K method to calculate IOL power after refractive surgery. J Cataract Refract Surg. 2005 Feb;31(2):254-5; author reply 255-6.
- 5) Nicola Rosa, Luigi Capasso, Michele Lanza, Antonio Romano. Axial Eye Length Evaluation Before and After Myopic Photorefractive Keratectomy J RefractSurg. 2005 May-Jun;21 (3): 281-7.
- 6) Rosa Nicola, Capasso Luigi, Lanza Michele. Idiopathic intracranial hypertension J Neuroophthalmol. 2005 Jun;25(2):152.
- 7) Rosa Nicola, Capasso Luigi, Lanza Michele, Iaccarino GennarFrancesco, Romano Antonio. Reliability of a new correcting factor in calculating intraocular lens power after refractive corneal surgery. J Cataract Refract Surg. 2005 May;31(5):1020-4.
- 8) Lanza Michele, Rosa Nicola, Capasso Luigi, Iaccarino GennarFrancesco, Rossi Settimio, Romano Antonio. Can we utilize photorefractive keratectomy to improve visual acuity in adult amblyopic eyes? Ophthalmology. 2005 Oct;112(10):1684-91.
- 9) Catalanotti P, Lanza M, Del Prete A, Lucido M, Catania MR, Gallè F, Boggia D, Perfetto B, Rossano F. Slime-producing Staphylococcus epidermidis and S. aureus in acute bacterial conjunctivitis in soft contact lens wearers. New Microbiol. 2005 Oct;28(4):345-54.
- 10) Rosa Nicola, Capasso Luigi, Lanza Michele. New formula for calculating intraocular lens power after LASIK. J Cataract Refract Surg. 2005 Oct;31(10):1854-5.
- 11) A. Lanza, F. Femiano, A. De Rosa, M. Cammarota, M. Lanza, N. Cirillo. The N-Terminal fraction of desmoglein 3 encompassing its immunodominant domain is present in human serum: implications for pemphigus vulgaris autoimmunity. Int J Immunopathol Pharmacol. 2006 Apr-Jun;19(2):399-407.
- 12) Rosa Nicola, Lanza Michele, Capasso Luigi, Lucci Marcella, Polito Biagio, Romano Antonio. Anterior chamber depth measurement before and after photorefractive keratectomy: comparison between IOL master and Orbscan II. Ophthalmology. 2006 Jun;113(6):962-9.
- 13) Nicola Rosa, Michele Lanza. PRK and Amblyopia: Author Reply Ophthalmology. 2006 Jun;113(6): 1065
- 14) Nicola Rosa, Michele Lanza, Luigi Capasso. Intraocular lens power calculations for eyes with previous myopic LASIK. J Refract Surg. 2006 Nov;22(9): 847-8

- 15) Nicola Rosa, Luigi Capasso, Michele Lanza. IOL calculations after refractive surgery. *J Cataract Refract Surg* 2006 Dec; 32 (12): 1984-5
- 16) Cirillo N, Lanza M, Rossiello L, Gombos F, Lanza A. Defining the involvement of proteinases in pemphigus vulgaris: Evidence of matrix metalloproteinase-9 overexpression in experimental models of disease. *J Cell Physiol*. 2007 Feb 20 (1): 36-41;
- 17) Cirillo N, Lanza M, Femiano F, Gaeta GM, De Rosa A, Gombos F, Lanza A. If pemphigus vulgaris IgG are the cause of acantholysis, new IgG-independent mechanisms are the concause. *J Cell Physiol*. 2007 Sep;212(3):563-7.
- 18) Lanza A, De Rosa A, Femiano F, Annese P, Ruocco E, Gombos F, Lanza M, Cirillo N. Internalization of non-clustered desmoglein 1 without depletion of desmoglein 1 from adhesion complexes in an experimental model of the autoimmune disease pemphigus foliaceus. *Int J Immunopathol Pharmacol*. 2007 Apr-Jun;20(2):355-61
- 19) Rosa N, Lanza M. Author reply. *Ophthalmology*. 2007 Sep;114(9):1792.
- 22) Nicola Rosa, Michele Lanza, Maria Borrelli, Biagio Polito, Maria Luisa Filosa, Maddalena De Bernardo. Comparison of central corneal thickness measured with Orbscan and Pentacam. *J Refract Surg* 2007 Nov; 23(9): 895-899
- 21) Cirillo N, Lanza M, De Rosa A, Cammarota M, La Gatta A, Gombos F, Lanza A. The most widespread desmosomal cadherin, desmoglein 2, is a novel target of caspase 3-mediated apoptotic machinery. *J Cell Biochem*. 2008 Feb 1;103(2):598-606.
- 22) Cirillo N, Santoro R, Lanza M, Annese P, Gombos F, Lanza A. Mucocutaneous pemphigus vulgaris carrying high-titre antidesmoglein 1 antibodies with skin lesions resembling pemphigus erythematosus. *Clin Exp Dermatol*. 2008 Jan;33(1):32-5. Epub 2007 Nov 3
- 23) Cirillo N, Lanza M, De Rosa A, Femiano F, Gombos F, Lanza A. At least three phosphorylation events induced by pemphigus vulgaris sera are pathogenically involved in keratinocyte acantholysis. *Int J Immunopathol Pharmacol*. 2008 Jan-Mar;21(1):189-95.
- 24) Rosa N, Borrelli M, Lanza M. Posterior corneal surface. *Ophthalmology*. 2008 Mar;115(3):588-9
- 25) Rosa N, Lanza M, Borrelli M. Artisan phakic intraocular lens. *Ophthalmology*. 2008 Apr;115(4):753-4
- 26) Michele Lanza, Maria Borrelli, Maddalena De Bernardo, Maria Luisa Filosa, Nicola Rosa CORNEAL PARAMETERS AND DIFFERENCE BETWEEN GOLDMANN APPLANATION TONOMETRY AND DYNAMIC CONTOUR TONOMETRY IN NORMAL EYES. *Journal of Glaucoma*. 2008 Sep;17(6):460-4.
- 27) Nicola Rosa, Michele Lanza, Maria Borrelli, Alberto Palladino, M. Grazia Di Gregorio, Luisa Politano. INTRAOCULAR PRESSURE AND CORNEAL BIOMECHANICAL PROPERTIES IN PATIENTS WITH MYOTONIC DYSTROPHY *Ophthalmology*. 2009 Feb;116(2):231-4
- 28) Nicola Rosa, Luigi Capasso, Michele Lanza, Maria Borrelli. CLINICAL RESULTS OF A CORNEAL RADIUS CORRECTING FACTOR IN CALCULATING INTRAOCULAR LENS POWER AFTER CORNEAL REFRACTIVE SURGERY *J Refract Surg*. 2009 Jul;25(7):599-603
- 29) Rosa N, Capasso L, Lanza M. Power calculation after laser refractive surgery. *J Cataract Refract Surg*. 2009 Sep;35(9):1653.
- 30) Rosa N, Lanza M, Borrelli M, Filosa ML, De Bernardo M, Ventriglia VM, Cecio MR, Politano L. Corneal Thickness and Endothelial Cell Characteristics in Patients with Myotonic Dystrophy. *Ophthalmology*. 2010 Feb;117(2):223-5.
- 31) Rosa N, De Bernardo M, Borrelli M, Lanza M. New factor to improve reliability of the clinical history method for intraocular lens power calculation after refractive surgery. *J Cataract Refract Surg*. 2010 Dec;36(12):2123-8.
- 32) Rosa N, Borrelli M, De Bernardo M, Lanza M. Corneal morphological changes after myopic excimer laser refractive surgery. *Cornea*. 2011 Feb;30(2):130-5.
- 33) Lanza A, Lanza M, Santoro R, Soro V, Prime SS, Cirillo N. Deregulation of PERK in the autoimmune disease pemphigus vulgaris occurs via IgG-independent mechanisms. *Br J Dermatol*. 2011 Feb;164(2):336-43.
- 34) Rosa N, Lanza M, Borrelli M, De Bernardo M, Palladino A, Di Gregorio MG, Pascotto F, Politano L. Low intraocular pressure resulting from ciliary body detachment in patients with myotonic dystrophy. *Ophthalmology*. 2011 Feb;118(2):260-4.
- 35) Rosa N, De Bernardo M, Borrelli M, Filosa ML, Minutillo E, Lanza M. Reliability of the IOLMaster in measuring corneal power changes after hyperopic photorefractive keratectomy. *J Refract Surg*. 2011 Apr;27(4):293-8.
- 36) Rosa N, De Bernardo M, Borrelli M, Filosa ML, Lanza M Effect of oxybuprocaine eye drops on corneal volume and thickness measurements. *Optom Vis Sci*. 2011 May;88(5):640-4.
- 37) Rosa N, Capasso L, De Bernardo M, Lanza M IOL power calculation after refractive surgery. *Ophthalmology*. 2011 Nov;118(11):2309.

- 38) Rosa N, De Bernardo M, Romano MR, Scarfato G, Verdoliva F, Mastropasqua R, Lanza M. Analysis of photoastigmatic keratectomy with the cross-cylinder ablation. *Indian J Ophthalmol*. 2012 Jul;60(4):283-7
- 39) A Gallo, F Esposito, R Sacco, R Docimo, A Bisecco, M Della Corte, A d'Ambrosio, D Corbo, N Rosa, M Lanza, S Cirillo, S Bonavita, G Tedeschi. VISUAL RESTING-STATE NETWORK IN RELAPSING-REMITTING MS WITH AND WITHOUT PREVIOUS OPTIC NEURITIS. *Neurology*. 2012 Oct 2;79(14):1458-1465
- 40) Rosa N, De Bernardo M, Lanza M Axial eye length evaluation before and after hyperopic photorefractive keratectomy. *J Refract Surg*. 2013 Feb;29(2):80
- 41) Rosa N, Lanza M, de Bernardo M, Cecio MR, Passamano L, Politano L. Intraocular pressure in patients with muscular dystrophies. *Ophthalmology*. 2013 Jun;120(6):1306-1307
- 42) Michele Lanza, Michela Cennamo, Stefania Iaccarino, Carlo Irregolare, Miguel Rechichi, Mario Bifani, Ugo Antonello Gironi Carnevale. Evaluation of Corneal Deformation Analyzed with Scheimpflug Based Device in Healthy Eyes and Diseased Ones. *BioMed Research International Volume 2014 (2014)*, Article ID 748671, 9 pages.
- 43) De Bernardo Maddalena, Capasso Luigi, Tortori Achille, Lanza Michele, Caliendo Luisa, Rosa Nicola. Trans epithelial corneal collagen crosslinking for progressive keratoconus: 6 months follow up. *Contact Lens and Anterior Eye* 2014 Dec;37(6):438-41.
- 44) De Bernardo Maddalena, Borrelli Maria, Mariniello M, Lanza Michele, Rosa Nicola. Pentacam vs SP3000P specular microscopy in measuring corneal thickness. *Contact Lens and Anterior Eye* 2015 Feb; 38(1):21-7
- 45) Michele Lanza, Michela Cennamo, Stefania Iaccarino, Vito Romano, Mario Bifani, Carlo Irregolare, Alessandro Lanza. Evaluation of corneal deformation analyzed with Scheimpflug based device. *Contact Lens and Anterior Eye* 2015; 38 (2):89-93
- 46) Lanza M, Iaccarino S, Cennamo M, Irregolare C, Romano V, Carnevale UA. Comparison between Corvis and other tonometers in healthy eyes. *Contact Lens and Anterior Eye* 2015; 38 (2):94-98
- 47) Michele Lanza, Stefania Iaccarino, Michela Cennamo, Alessandro Lanza, Giovanni Coen New Scheimpflug camera device in measuring corneal power changes after myopic laser refractive surgery. *Contact Lens and Anterior Eye* 2015; 38 (2):115-119
- 48) FELICE FEMIANO, LUIGI FEMIANO, ROSSELLA FEMIANO, ALESSANDRO LANZA, MICHELE LANZA, ROSARIO RULLO, LETIZIA PERILLO. Class I restoration margin quality in direct resin composites: A double-blind randomized controlled clinical trial *American Journal of Dentistry* 2015; 28 (3):157-160
- 49) Maria Rosaria De Pascale, Michele Lanza, Linda Sommese, Claudio Napoli. "Human Serum Eye Drops in Eye Alterations: An Insight and a Critical Analysis" *Journal of Ophthalmol*. 2015;2015:396410.
- 50) Rosa N, De Bernardo M, Iaccarino S, Lanza M. Corneal Biomechanical Changes After Myopic Photorefractive Keratectomy. *Semin Ophthalmol*. 2015 Dec;30(5-6):328-34.
- 51) Rosa N, Lanza M, De Bernardo M, Signoriello G, Chiodini P. Relationship Between Corneal Hysteresis and Corneal Resistance Factor with Other Ocular Parameters. *Semin Ophthalmol*. 2015 Dec;30(5-6):335-9.
- 52) Michele Lanza, Erica Paolillo, Ugo Antonello Gironi Carnevale, Alessandro Lanza, Carlo Irregolare, Luigi Mele, Mario Bifani Central corneal thickness evaluation in healthy eyes with three different optical devices. *Cont Lens Anterior Eye*. 2015 Dec;38(6):409-13
- 53) Michele Lanza Re: McNabb et al.: Optical coherence tomography accurately measures corneal power change from laser refractive surgery (*Ophthalmology* 2015;122:677-86). *Ophthalmology*. 2016 Jan;123(1):e5-6.
- 54) Michele Lanza, Stefania Iaccarino, Luigi Mele, Ugo Antonello Gironi Carnevale, Carlo Irregolare, Alessandro Lanza, Felice Femiano, Mario Bifani. INTRAOCULAR PRESSURE EVALUATION IN HEALTHY EYES AND DISEASED ONES USING CONTACT AND NON CONTACT DEVICES. *Contact Lens and Anterior Eye* 39(2):154-9
- 55) Lanza M, Iaccarino S, Bifani M. In vivo human corneal deformation analysis with a Scheimpflug camera, a critical review. *Journal of Biophotonics*. 9 (5) 464-77 (2016).
- 56) Rechichi M, Mazzotta C, Daya S, Mencucci R, Lanza M, Meduri A. Intraoperative OCT Pachymetry in Patients Undergoing Dextran-Free Riboflavin UVA Accelerated Corneal Collagen Crosslinking. *Current Eye Research* . 2016 Oct 41(10) 1310-1315
- 57) Koprowski R, Lanza M, Irregolare C. Corneal power evaluation after myopic corneal refractive surgery using artificial neural networks. *Biomed Eng Online*. 2016 Nov 15;15(1):121
- 58) Michele Lanza, Stefania Iaccarino, Gilda Varricchi, Tito D'Errico, Ugo Antonello Gironi Carnevale, Mario Bifani. CORNEAL CONFOCAL MICROSCOPY ALTERATIONS IN SJÖGREN'S SYNDROME DRY EYE. *Acta Ophthalmol*. 2017 Aug;95(5):e366-e372

- 59) Femiano F, Femiano R, Lanza A, Lanza M, Perillo L. Effectiveness on oral pain of 808-nm diode laser used prior to composite restoration for symptomatic non-carious cervical lesions unresponsive to desensitizing agents. *Lasers Med Sci.* 2017 Jan;32(1):67-71.
- 60) Robert Koprowski R, Nowińska A, Wilczynski S, Lanza M, Molebny V, Ambrosio R. Image Processing in Ophthalmology, *Journal of Healthcare Engineering* Volume 2018, Article ID 154563.

### **Papers published in international journals without impact factor**

- 1) Iaccarino G, Rosa N, Pellegrino F, Vassallo P, Lanza M, Romano A. Presumed Orbital Metastasis: A case report In: *Ultrasound in Ophthalmology*, E Moragrega Adame Ed. Pub:Composicion Editorial Laser, SA de CV, Mexico City, Mexico 2003.
- 2) Rosa N, Iaccarino G, Dati M, Menzione M, Lanza M, Romano A Macular Edema in Diabetic Patients: A Fluorangiographic and Echographic Study In: *Ultrasound in Ophthalmology*, E Moragrega Adame Ed. Pub:Composicion Editorial Laser, SA de CV, Mexico City, Mexico, 2003.
- 3) Iaccarino G., Di Meo A., Lanza M., Rossi S., Rosa N. CAPILLARY HEMANGIOMA OF THE OPTIC DISC: SIX-YEAR ECHO GRAPHIC FOLLOW-UP *Ophthalmic Echography Proceedings 20th SIDUO Congress*, ED Nyctalus, Budapest Hungary 2006 Pag 164
- 4) Rosa N., Iaccarino G., Capasso L., Lanza M., Romano A. COMPARISON BETWEEN 20 AND 10 MHZ B-SCAN PROBES IN THE DETECTION AND THE DIFFERENTIAL DIAGNOSIS OF POSTERIOR SEGMENT EYE DISEASE *Ophthalmic Echography Proceedings 20th SIDUO Congress*, ED Nyctalus, Budapest Hungary 2006 Pag 245-7
- 5) Lanza M., Capasso L., Iaccarino G., Furgiuele D., Polito B., Rosa N. HOW TO CALCULATE IOL POWER AFTER REFRACTIVE SURGERY: COMPARISON OF THREE DIFFERENT METHODS *Ophthalmic Echography Proceedings 20th SIDUO Congress*, ED Nyctalus, Budapest Hungary 2006 Pag 70-74
- 6) Nicola Rosa, Michele Lanza, Gilda Cennamo, Marina Accardo PILOMATRIXOMA OF THE EYELID *Journal of Dermatological Case Report* 2008; 2: 21-23
- 7) Nicola Rosa, Maddalena De Bernardo, Michele Lanza, Maria Borrelli, Fabrizia Fusco, Antimo Flagiello. CORNEAL ABERRATIONS BEFORE AND AFTER PHOTOREFRACTIVE KERATECTOMY *J Optom* 2008;1:53-58
- 8) Nicola Rosa, Michele Lanza, Gilda Cennamo, Luigi Capasso, Gennarfrancesco Iaccarino, Maria Borrelli, Fabrizia Fusco, Antimo Flagiello. ACCURACY OF SCHIOTZ TONOMETRY IN MEASURING THE INTRAOCULAR PRESSURE AFTER CORNEAL REFRACTIVE SURGERY *J Optom* 2008;1:59-64
- 9) Nicola Rosa, Luigi Capasso, Emma Minutillo, Maria Borrelli, Maddalena De Bernardo, Michele Lanza. ORBSCAN EVALUATION OF CORNEAL POWER AFTER MYOPIC PRK: PLACIDO DISC BASED VS SCANNING SLIT TOPOGRAPHY *J Optom* 2009;2:94-100
- 10) Rosa N, Lanza M, De Bernardo M, Borrelli M, Politano L. Anterior capsule phimosis and capsular block syndrome in a patient with Steinert myotonic dystrophy: a case report. *Cases J.* 2009 Dec 10;2:9298.
- 11) Lanza M, Borrelli M, Benusiglio E, Rosa N. In vivo confocal microscopy of an apparent deep stroma corneal dystrophy: a case report. *Cases J.* 2009 Dec 14;2:9317.
- 12) Alessandro Lanza, Fabio Scognamiglio, Felice Femiano, Michele Lanza Immediate, Early, and Conventional Implant Placement in a Patient with History of Periodontitis *Case Reports in Dentistry* Volume 2015, Article ID 217895, 10 pages
- 13) Maddalena De Bernardo, Luigi Capasso, Michele Lanza, Antonia Tortori, Stefania Iaccarino, Michela Cennamo, Maria Borrelli, Nicola Rosa. Long-term results of corneal collagen crosslinking for progressive keratoconus. *Journal of Optometry* 2015, Jul-Sep;8(3):180-6.
- 14) De Rosa G, Boccia R, Santamaria C, Fabbozzi L, De Rosa L, Lanza M. Customized photorefractive keratectomy to correct high ametropia after penetrating keratoplasty: A pilot study. *J Optom.* 2015;Jul-Sep;8:174-9
- 15) Teresa Esposito, Bruno Varriale, Carlo Irregolare, Michele Lanza, Angelica Perna, Giuseppe Paolisso, Marcellino Monda. Correlation between Thyroid Endocrine Status, Change in Body Weight and Macular Thickness in Obese Patients *General Medicine: Open Access Gen Med (Los Angel)* 2015, 3: 206
- 16) Tukezban Huseynova, Farah Abdulaliyeva, Michele Lanza. Comparison of Scheimpflug imaging parameters between steep and keratoconic corneas of Caucasian eyes. *Clinical Ophthalmology* 2016;10 603–608
- 17) Alessandro Lanza, Fabio Scognamiglio, Felice Femiano, Michele Lanza. Implant Placement In Fresh Extraction Socket With Simultaneous Bone Regeneration *British Journal of Medicine & Medical Research* 10(9): 1-11,

18) Michele Lanza. IOL Calculation After Myopic Corneal Refractive Surgery, Story of A Problem and Resume of Its Solutions EC Ophthalmology 4.4 (2016): 579-581.

### **BOOK'S CHAPTERS**

G. Nastri, M. Lanza, M. Borrelli, N. Rosa ANATOMY OF ORBIT AND POINTS REPERE Chapter 2 of Ophthalmology 2006 Notebooks: Anaesthesia and technical analgesedative in oftalmochirurgia.

N. Rosa, M. Lanza, M. Borrelli Anesthesia techniques in Refractive surgery Chapter 6 of Ophthalmology 2006 Notebooks: Anaesthesia and technical analgesedative in oftalmochirurgia.

Nicola Rosa, Michele Lanza CALCULATION OF IOL; THE UNEXPECTED RESULTS AND THE DIFFICULTY OF SPECIAL CONDITIONS Chapter Official Report SOI "The responsibility of the ophthalmologist in the diagnosis, therapy and duty to inform. For a new law and a new "Official Report SOI legislation in 2007

Nicola Rosa, Maria Borrelli, Maddalena De Bernardo, Michele Lanza BIOMETRICS Chapter SOI Official Report 2009 "Instrumental investigations and Ophthalmology Practice"

Luigi Mele, Michele Lanza THE INTERACTION OF ELECTROMAGNETIC RADIATION WITH EYE STRUCTURES Chapter Practical Manual of Vision Care 2016

### **Papers in international conferences**

1) Ocular siderosis in a pseudophakic patient.

Congresso S.O.E. (Società Oftalmologica Europea), Istanbul, Turchia, 3-7/6/2001.

Romano A, Della Corte M, Bifani Sconocchia M, Rosa N, Lanza M, Romano M.

2) Reliability of corneal power measurements after Prk: IOL master vs corneal topography

XIX Congress of the ESCRS (European Society of Cataract and Refractive Surgery), Amsterdam, Olanda, 1<sup>st</sup>-5<sup>th</sup> September 2001.

Rosa N, Fusco G, Capasso L, Della Corte M, Lanza M, Romano A..

3) Intraocular pressure and photo-refractive keratectomy: a comparison of three different methods.

XX Congress of the ESCRS, (European Society of Cataract and Refractive Surgery), Nice (Francia) 7-11 September 2002.

Rosa N, Capasso L, Iaccarino G, Di Meo A, Lanza M, Romano A..

4) Corneal radius correcting factor vs historical method in the calculation of IOL power after PRK,

7<sup>th</sup> Winter Congress of the European Society of Cataract and Refractive Surgeons, Roma, Italia 7-9 February 2003.

Rosa N., Capasso L., Lanza M., Furgiuele D., Della Corte M., Romano M..

5) Evaluation of corneal changes after PRK: corneal topography vs IOL Master.

7<sup>th</sup> Winter Congress of the European Society of Cataract and Refractive Surgeons, Roma, Italia 7-9 February 2003.

Rosa N., Capasso L., Lanza M., Iaccarino G., Buzzo G., Romano A..

6) Placido disc based vs scanning slit topography in the evaluation of corneal power changes after PRK.

7<sup>th</sup> Winter Congress of the European Society of Cataract and Refractive Surgeons, Roma, Italia 7-9 February 2003.

Rosa N., Lanza M., Capasso L., Buzzo G., Furgiuele D., Romano A..

7) Evaluation of corneal changes after PRK: harac disc based vs scanning slit topography.

XXI Congress of the European Society of Cataract and Refractive Surgeons, Monaco, Germania 6-10 September 2003.

Lanza M., Rosa N., Capasso L., De Rosa G. Polito B., Romano A..

8) Axial eye length evaluations before and after photorefractive keratectomy.

XXI Congress of the European Society of Cataract and Refractive Surgeons, Monaco, Germania 6-10 September 2003.

Capasso L., Rosa N., Lanza M., Iaccarino G., Buzzo G., Romano A..

9) First results utilizing the r factor in calculating IOL power in eyes that underwent cataract extraction after corneal refractive surgery.

XXI Congress of the European Society of Cataract and Refractive Surgeons, Monaco, Germania 6-10 September 2003.

Rosa N., Capasso L., Lanza M., Furgiuele D., Romano A..

10) Theoretical ablation depth versus measured corneal and axial length changes after photorefractive keratectomy.

8<sup>th</sup> Winter Congress of the European Society of Cataract and Refractive Surgeons, Barcellona, Spagna, 23-25 January 2004.

Lanza M., Rosa N., Capasso L., Polito B., Iaccarino G., Romano A..

11) CORNEAL ABERRATIONS BEFORE AND AFTER PHOTOREFRACTIVE KERATECTOMY

XXII Congress of the European Society of Cataract and Refractive Surgeons, Parigi, Francia, 18-22 September 2004.

N. Rosa, M. Lanza, L. Capasso, G. Iaccarino, M Filosa, A. Romano

12) OUR RESULTS WITH A NEW ALGORITHM FOR HYPEROPIC PHOTOREFRACTIVE KERATECTOMY

XXII Congress of the European Society of Cataract and Refractive Surgeons, Parigi, Francia, 18-22 September 2004.

Lauritano, N. Rosa, L. Capasso, M. Lanza, Iaccarino G, A. Romano

13) MEASUREMENT OF THE ANTERIOR CHAMBER DEPTH BEFORE AND AFTER PRK WITH THE IOL MASTER.

XXII Congress of the European Society of Cataract and Refractive Surgeons, Parigi, Francia, 18-22 September 2004.

Capasso L, Rosa N, Lanza M, Pascotto F, De Bernardo M, Romano A

14) MEASUREMENT OF THE ANTERIOR CHAMBER DEPTH BEFORE AND AFTER PRK WITH THE ORBSCAN II.

XXII Congress of the European Society of Cataract and Refractive Surgeons, Parigi, Francia, 18-22 September 2004.

Lanza M, Rosa N, Capasso L, Rossi S, Fusco C, Romano A.

15) CAN WE REVERT THE EYE DOMINANCE IN ADULT PATIENTS ?

XXII Congress of the European Society of Cataract and Refractive Surgeons, Parigi, Francia, 18-22 September 2004.

Rosa N, De Rosa G, Lanza M, Capasso, Del Vecchio L, Romano A

16) CAN WE UTILIZE PRK TO IMPROVE VISUAL ACUITY IN ADULT AMBLYOPIC EYES?

American Academy of Ophthalmology, New Orleans, USA, 23-27 October 2004

Lanza M, Rosa N, Capasso L, Iaccarino G, Rossi S, Romano A.

17) Corneal power changes after hyperopic PRK: an IOL master study

9<sup>th</sup> Winter Refractive Surgery Meeting, Roma, Italy, 4<sup>th</sup>-6<sup>th</sup> February 2005

N. Rosa, L. Capasso, M. Lanza, G. Iaccarino, S. Rossi, A. Romano

18) Corneal power changes after hyperopic PRK: an Orbscan study

9<sup>th</sup> Winter Refractive Surgery Meeting, Roma, Italy, 4<sup>th</sup>-6<sup>th</sup> February 2005

N. Rosa, M. Lanza, L. Capasso, B. Polito, F. Pascotto, A. Romano

19) Evaluation of central cloudy character with in vivo confocal microscopy

V World Cornea Congress, Washington, D.C. (USA), 13-15 April 2005

N. Rosa, M. Lanza, L. Capasso, S. Rossi, A. Romano

20) THE R FACTOR IN CALCULATING IOL POWER AFTER CORNEAL REFRACTIVE SURGERY: PRELIMINARY RESULTS.

ASCRS-AOA Congress, Washington D.C. (USA), 15-20 April 2005

M. Lanza, N. Rosa, L. Capasso, M. De Bernardo, A. Romano

21) AXIAL EYE LENGTH AND CORNEAL THICKNESS CHANGES AFTER PHOTOREFRACTIVE KERATECTOMY.

ASCRS-AOA Congress, Washington D.C. (USA), 15-20 April 2005

Rosa N, Lanza M, Capasso L, Polito B, Iaccarino G, Romano A.

22) GOLDMANN APPLANATION TONOMETRY AFTER PHOTOREFRACTIVE KERATECTOMY. CAN WE MAKE IT RIGHT ?

ASCRS-AOA Congress, Washington D.C. (USA), 15-20 April 2005

Rosa N, Capasso L, Lanza M, Pascotto F, Iaccarino G, Romano A.

23) ANTERIOR EYE SEGMENT EVALUATION BEFORE AND AFTER MYOPIC PRK.

ASCRS-AOA Congress, Washington D.C. (USA), 15-20 April 2005

L. Capasso, N. Rosa, M. Lanza,, G. Iaccarino, B. Polito A. Romano

24) EVALUATION OF 3 METHODS TO MEASURE CORNEAL POWER CHANGES AFTER HYPEROPIC PRK

ASCRS-AOA Congress, Washington D.C. (USA), 15-20 April 2005



- M. Lanza, L. Capasso, M. De Bernardo, D. Furgiuele, A. Romano  
 25) Reliability of the R-factor in characteris IOL power after corneal refractive surgery: clinical study  
 XXIII Congress of the European Society of cataract and Refractive Surgeons, Lisbona, Portogallo, 10-14 September 2005
- N.Rosa, L. Capasso, M. Lanza, B. Polito, G.Iaccarino  
 26) Can we improve the reliability of goldmann applanation tonometry after photorefractive keratectomy ?  
 XXIII Congress of the European Society of cataract and Refractive Surgeons, Lisbona, Portogallo, 10-14 September 2005
- N.Rosa, L. Capasso, M. Lanza, B. Polito, F. Pascotto  
 27) Is corneal topography reliable in evaluating corneal power change after hyperopic PRK  
 XXIII Congress of the European Society of cataract and Refractive Surgeons, Lisbona, Portogallo, 10-14 September 2005
- M. Lanza, N.Rosa, L. Capasso, B. Polito, C. Irregolare  
 28) IOL power calculation following excimer laser refractive surgery  
 AAO Annual Meeting, Chicago, Illinois, USA, 15-18 October 2005
- N. Rosa, L. Capasso, M. Lanza, G. Iaccarino, M. De Bernardo  
 29) EYE DOMINANCE AND PHOTOREFRACTIVE KERATECTOMY  
 10<sup>th</sup> Winter Congress of the European Society of Cataract and Refractive Surgeons, Montecarlo, principato di Monaco  
 10-12 February 2006.
- Lanza M, Minutillo E, Miele M, Del Vecchio L, De Bernardo M, Rosa N.  
 30) CORRELATION BETWEEN PASCAL CONTOUR TONOMETRY AND GOLDMANN APPLANATION TONOMETRY IN PATIENTS SCREENED FOR REFRACTIVE SURGERY  
 10<sup>th</sup> Winter Congress of the European Society of Cataract and Refractive Surgeons, Montecarlo, principato di Monaco  
 10-12 February 2006.
- Lanza M, Miele M, Minutillo E, Del Vecchio L, De Bernardo M, Rosa N.  
 31) IOL Power Calculation After Corneal Refractive Surgery Without Knowing the Amount of Treatment  
 ASCRS-AOA Congress, San Francisco, California (USA), 18-22 March 2006
- Michele Lanza, Nicola Rosa  
 32) OUR EXPERIENCE IN CALCULATING IOL POWER AFTER CORNEAL REFRACTIVE SURGERY  
 SIDUO Congress, Lima (Perù), 4-8 September 2006
- Nicola Rosa, Michele Lanza, Luigi Capasso, Maddalena De Bernardo, Maria Borrelli  
 33) B SCAN PROCESSED IMAGES IN EVALUATING VITREORETINAL DISEASES  
 SIDUO Congress, Lima (Perù), 4-8 September 2006
- Nicola Rosa, Massimo Menzione, Michele Lanza, Maria Luisa Filosa, Marcella Lucci .  
 34) ECOGRAPHIC EVALUATION OF SUSPECTED OPTIC DISC EXCAVATIONS  
 SIDUO Congress, Lima (Perù), 4-8 September 2006
- Gennarfrancesco Iaccarino, Antonio Di Meo, Michele Lanza, Biagio Polito, Nicola Rosa  
 35) FIRST RESULTS OF IOL POWER CALCULATION AFTER CORNEAL REFRACTIVE SURGERY UTILIZING THE R FACTOR  
 XXIV ESCRS Congress, Londra (Regno Unito), 9-13 September 2006
- Nicola Rosa, Michele Lanza, Luigi Capasso, Maddalena De Bernardo, Maria.Luisa Filosa  
 36) Reliability of a new software in calculating IOL power after refractive corneal surgery  
 XXIV ESCRS Congress, Londra (Regno Unito), 9-13 September 2006
- Michele Lanza, Gennafrancesco Iaccarino, Marcella Lucci, Biagio Polito, Nicola Rosa  
 37) Which corneal topography parameter could we use in calculating iol power?  
 XXIV ESCRS Congress, Londra (Regno Unito), 9-13 September 2006
- Michele Lanza, M.L. Filosa, M. De Bernardo, M. Lucci, N. Rosa  
 38) Goldmann applanation tonometry versus dynamic contour tonometry before and after photorefractive keratectomy  
 XXIV ESCRS Congress, Londra (Regno Unito), 9-13 September 2006
- M. Borrelli, Michele Lanza, B. Polito, N. Rosa  
 39) Central corneal thickness measurement: Orbscan versus Pentacam  
 XXIV ESCRS Congress, Londra (Regno Unito), 9-13 September 2006
- M. Borrelli, Michele Lanza, M. Lucci, N. Rosa

- 40) IOL power calculation after corneal refractive surgery without taking into account the amount of treatment: our results.  
AAO Annual Meeting, Las Vegas, Nevada, USA, 10-14 November 2006  
Nicola Rosa, Michele Lanza, Luigi Capasso, Maria Borrelli, Maria Luisa Filosa
- 41) Outcomes in eyes that underwent cataract extraction and IOL implantation after corneal refractive surgery.  
Refractive Surgery Subspecialty Day AAO Annual Meeting, Las Vegas, Nevada, USA, 10-14 November 2006  
Nicola Rosa, Michele Lanza Luigi Capasso, Maria Borrelli, Maria Luisa Filosa
- 42) Central corneal thickness measurements with two different devices: Orbscan II VS Pentacam  
Michele Lanza, Biagio Polito, Maria Luisa Filosa, Nicola Rosa  
11<sup>th</sup> Winter Congress of the European Society of Cataract and Refractive Surgeons, Atene, Grecia 2-4 February 2007
- 43) IOL power calculation after corneal refractive surgery: our experience  
Michele Lanza, Maria Borrelli, Emma Minutillo, Nicola Rosa  
11<sup>th</sup> Winter Congress of the European Society of Cataract and Refractive Surgeons, Atene, Grecia 2-4 February 2007
- 44) Power Calculation for IOLs After Corneal Refractive Surgery Without Knowing the Preoperative Parameters  
ASCRS-AOA Congress, San Diego, California (USA), 27 April – 2 May 2007  
N. Rosa; M. Lanza; M. Borrelli; M. Lucci; E. Minutillo
- 45) Reliability of IOP measurements in eyes after PRK: Dynamic contour tonometry versus Goldman applanation tonometry  
ASCRS-AOA Congress, San Diego, California (USA), 27 April – 2 May 2007  
M. Lanza; M. Borrelli; B. Polito; E. Minutillo; N. Rosa
- 46) IS IOL POWER CALCULATION AFTER CORNEAL REFRACTIVE SURGERY STILL A PROBLEM?  
XXV ESCRS Congress, Stoccolma (Svezia) 8-12 September 2007  
Nicola Rosa, Michele Lanza, Maddalena De Bernardo, Carlo Irregolare, Fabrizia Fusco
- 47) CORNEAL BIOMECHANICAL CHANGES 1 MONTH AFTER EXCIMER LASER REFRACTIVE SURGERY  
XXV ESCRS Congress, Stoccolma (Svezia) 8-12 September 2007  
Maria Borrelli, Michele Lanza, Emma Minutillo, Carlo Irregolare, Nicola Rosa
- 48) STEROID EYE DROPS AFTER CORNEAL REFRACTIVE SURGERY: ARE THEY SAFE?  
XXV ESCRS Congress, Stoccolma (Svezia) 8-12 September 2007  
Emma Minutillo, Michele Lanza, Maria Borrelli, Biagio Polito, Nicola Rosa
- 49) COMPARISON BETWEEN OCULUS PENTACAM AND PENTACAM HR IN THE EVALUATION OF NORMAL EYES  
XXV ESCRS Congress, Stoccolma (Svezia) 8-12 September 2007  
Maddalena De Bernardo, Michele Lanza, Maria Borrelli, Maria Luisa Filosa, Nicola Rosa
- 50) CORNEAL POWER EVALUATION AFTER CORNEAL REFRACTIVE SURGERY UTILIZING OCULUS PENTACAM HR  
XXV ESCRS Congress, Stoccolma (Svezia) 8-12 September 2007  
Michele Lanza, Maria Luisa Filosa, Antimo Flagello, Biagio Polito, Nicola Rosa
- 51) Intraocular pressure and central corneal thickness study in patients with Steinert myotonic dystrophy  
IDMC-6 Milano (Italia) 12-15 September 2007  
N Rosa, M Lanza, C Irregolare, A Palladino, L Passamano, F Spina, MR Cecio, L Politano
- 52) IOL Power Calculation After Refractive Surgery Without Preoperative Parameters: Clinical Results.  
American Academy of Ophthalmology, New Orleans, Luisiana (USA), 9-13 November 2007  
Michele Lanza, Luigi Capasso, Maria Borrelli, Emma Minutillo, Nicola Rosa  
\* Poster premiato tra i migliori 50 poster accettati al congresso
- 53) Retinal Fiber Nerve Layer Analysis in Patients With Multiple Sclerosis  
American Academy of Ophthalmology, New Orleans, Luisiana (USA), 9-13 November 2007  
Michele Lanza, Gioacchino Tedeschi, Maria Luisa Filosa, Rosaria Sacco, Giovanna Servillo, Nicola Rosa  
\* Poster premiato tra i migliori 50 poster accettati al congresso  
American Academy of Ophthalmology, New Orleans, Luisiana (USA), 9-13 November 2007
- 54) Corneal Biomechanical Changes After Excimer Laser Refractive Surgery  
American Academy of Ophthalmology, New Orleans, Luisiana (USA), 9-13 November 2007  
Nicola Rosa, Michele Lanza, Biagio Polito, Maddalena De Bernardo, Carlo Irregolare
- 55) IOP And Central Corneal Thickness Study in Patients With Steinert Myotonic Dystrophy

American Academy of Ophthalmology, New Orleans, Louisiana (USA), 9-13 November 2007

Nicola Rosa, Michele Lanza, Maria Borrelli, Alberto Palladino, Maria Grazia Di Gregorio, Luisa Politano

56) HOW TO REDUCE SURPRISING REFRACTIVE RESULTS IN PATIENT UNDERGOING CATARACT SURGERY AFTER CORNEAL REFRACTIVE SURGERY

12<sup>th</sup> Winter Congress of the European Society of Cataract and Refractive Surgeons, Barcellona, Spagna 8-10 February 2008

N. Rosa, M. Lanza, L. Capasso, M. Borrelli, C. Irregolare, E. Minuttillo,

57) ANTERIOR CHAMBER ANGLE SUPPORTED PHAKIC INTRAOCULAR LENS TO CORRECT HIGH MYOPIA

12<sup>th</sup> Winter Congress of the European Society of Cataract and Refractive Surgeons, Barcellona, Spagna 8-10 February 2008

M. Lanza, M. Borrelli, C. Irregolare, M. De Bernardo, N. Rosa

58) Calculation of IOL Power After Corneal Refractive Surgery Without Knowing Preoperative Data: 7-Year Experience

ASCRS-AOA Congress, Chicago, Illinois (USA), 4-8 April 2008

Michele Lanza, Maria Borrelli, Luigi Capasso, Maddalena De Bernardo, Nicola Rosa

59) Evaluation of corneal parameters with the Oculus Pentacam and Oculus Pentacam HR

ASCRS-AOA Congress, Chicago, Illinois (USA), 4-8 April 2008

Maria Borrelli, Michele Lanza, Emma Minuttillo, Carlo Irregolare, Nicola Rosa

60) IOL POWER CALCULATION AFTER CORNEAL REFRACTIVE SURGERY: OUR EXPERIENCE

XXII SIDUO Congress, Dubrovnyk, Croazia 6-10 September 2008

Nicola Rosa, Maria Borrelli, Maddalena De Bernardo, Maria Luisa Filosa, Emma Minuttillo, Michele Lanza Luigi Capasso, Fabrizia Fusco

61) ROLE OF STANDARDIZED ECHOGRAPHY IN THE MANAGEMENT OF UVEITIS

XXII SIDUO Congress, Dubrovnyk, Croazia 6-10 September 2008

Nicola Rosa, Maria Borrelli, Maria Luisa Filosa, Maddalena De Bernardo, Emma Minuttillo, Michele Lanza, Gennarfrancesco Iaccarino

62) WHICH FORMULA SHOULD BE USED IN LONG EYES? OUR PRELIMINARY RESULTS

XXII SIDUO Congress, Dubrovnyk, Croazia 6-10 September 2008

Nicola Rosa, Maria Borrelli, Maddalena De Bernardo, Maria Luisa Filosa, Emma Minuttillo, Michele Lanza, Carlo Irregolare

63) SOFT TISSUE ALVEOLAR SARCOMA METASTATIC TO THE EYE: A CASE REPORT

XXII SIDUO Congress, Dubrovnyk, Croazia 6-10 September 2008

Nicola Rosa, Antonio Solimeo, Maria Borrelli, Maddalena De Bernardo, Maria Luisa Filosa, Emma Minuttillo, Michele Lanza, Marco De Luca

64) HIGH FREQUENCY ULTRASOUND IN STEINERT MYOTONIC PATIENTS

XXII SIDUO Congress, Dubrovnyk, Croazia 6-10 September 2008

Nicola Rosa, Maria Borrelli, Maria Luisa Filosa, Maddalena De Bernardo, Emma Minuttillo, Michele Lanza, Fabrizia Pascotto

65) RETINAL NERVE FIBRE MEASUREMENT BEFORE AND AFTER PRK

XXVI ESCRS Congress, Berlino, 13-17 September 2008

M. Lanza, M. Borrelli, C. Irregolare, F. Fusco, N. Rosa

66) CAN A PHOTOREFRACTIVE KERATECTOMY REVERT THE EYE DOMINANCE IN ADULT PATIENTS?

XXVI ESCRS Congress, Berlino, 13-17 September 2008

M. Borrelli, M. Lanza, M. De Bernardo, M. De Luca, A. Flagello, N. Rosa

67) IOL POWER CALCULATION AFTER CORNEAL REFRACTIVE SURGERY: CLINICAL RESULTS OF A NO HISTORY RELATED CORRECTING FACTOR

XXVI ESCRS Congress, Berlino, 13-17 September 2008

E. Minuttillo, L. Capasso, M. Lanza, M. Borrelli, F. Pascotto, N. Rosa

68) DOES TOPICAL ANESTHESIA CHANGE CENTRAL CORNEAL THICKNESS?

XXVI ESCRS Congress, Berlino, 13-17 September 2008

M.L. Filosa, M. Lanza, M. Borrelli, C. Irregolare, G. Scarfato, N. Rosa

69) CORNEAL CROSSLINKING: OUR PRELIMINARY RESULTS

XXVI ESCRS Congress, Berlino, 13-17 September 2008

- L. Capasso, M. Lanza, A. Tortori, M. Borrelli, L. Gifuni, N. Rosa  
70) HYPEROPIA WITH NARROW ANGLE GLAUCOMA: LENSECTOMY AND DRY 25 GAUGE PARS PLANA VITRECTOMY  
XXVI ESCRS Congress, Berlino, 13-17 September 2008
- L. Zeppa, M.A. Majorana, M. Lanza, C. Irregolare, N. Rosa  
71) RETINAL NERVE FIBER LAYER EVALUATION WITH SCANNING LASER POLARIMETRY IN PATIENTS WITH MULTIPLE SCLEROSIS  
AAO Congress Atlanta, Georgia, (USA) 8-11 November 2008  
Rosa N, Lanza M, Borrelli M, Sacco R, Servillo G, Tedeschi G.  
72) CLINICAL RESULTS OF A NO HISTORY-BASED METHOD IN CALCULATING IOL POWER AFTER CORNEAL REFRACTIVE SURGERY  
AAO Congress Atlanta, Georgia, (USA) 8-11 November 2008  
Rosa N, Lanza M, Borrelli M, Capasso L, Irregolare C, De Bernardo M  
73) COMPARISON BETWEEN PENTACAM, ORBSCAN II AND VISANTE OCT IN MEASURING THE THINNEST CORNEAL POINT IN PATIENT WITH KERATOCONUS  
AAO Congress Atlanta, Georgia, (USA) 8-11 November 2008  
Capasso L, Lanza M, Tortori A, Filosa ML, Minutillo E, Rosa N  
74) CORNEAL BIOMECHANICAL CHANGES AFTER CORNEAL CROSS LINKING  
AAO Congress Atlanta, Georgia, (USA) 8-11 November 2008  
Capasso L, Lanza M, Tortori A, Gifuni L, Borrelli M, Rosa N  
75) Corneal endothelium study in patients with myotonic character.  
ARVO 2009 Annual Meeting, Fort Lauderdale, Florida (USA), 3-7 May 2009  
M. Borrelli, N. Rosa, M. Lanza, M. Filosa, M. De Luca, F. Fusco, F. Pascotto, M. Scutifero, L. Politano.  
76) A new algorithm for hyperopic PRK treatment: preliminary results  
XXVII Congress of the European Society of Cataract and Refractive Surgeons, Barcellona, Spagna, 12-16 September 2009  
M. Lanza, A. Lauritano B. Maria I. Carlo R. Nicola  
77) Changes in corneal volume after myopic photorefractive keratectomy  
XXVII Congress of the European Society of Cataract and Refractive Surgeons, Barcellona, Spagna, 12-16 September 2009  
M. De Bernardo M. Lanza M. Borelli G. Scarfato N. Rosa  
78) Corneal characteristics study in patients with Sterinert Myotonic Distrphy.  
XXVII Congress of the European Society of Cataract and Refractive Surgeons, Barcellona, Spagna, 12-16 September 2009  
M. Borrelli, L. Politano, M. Lanza, M. Scutifero, N. Rosa  
79) How to calculate IOL power in long eyes  
XXVII Congress of the European Society of Cataract and Refractive Surgeons, Barcellona, Spagna, 12-16 September 2009  
M. De Bernardo, M. Lanza, M. Borrelli, E. Minutillo, M. De Luca, N. Rosa.  
80) CILIARY BODY IN VIVO STUDY WITH HIGH FREQUENCY ULTRASOUND IN STEINERT MYOTONIC PATIENTS  
AAO Congress, San Francisco, California (USA), 23-27 October 2009  
N. Rosa, M. Lanza, M. Borrelli, M. De Bernardo, A. Palladino , M.G. Di Gregorio, L. Politano  
81) NEW REGRESSION FORMULAS TO CALCULATE THE IOL POWER IN EYES THAT UNDERWENT CORNEAL REFRACTIVE SURGERY WITH UNKNOWN PREOPERATIVE PARAMETERS  
AAO Congress, San Francisco, California (USA), 23-27 October 2009  
N. Rosa, M. De Bernardo, M. Borrelli, M. De Luca, M. Lanza  
82) CHANGES IN CORNEAL VOLUME AFTER MYOPIC PHOTOREFRACTIVE KERATECTOMY  
VI World Cornea Congress, Boston, Massachussets. (USA), 7-9 April 2010  
LANZA M, BORRELLI M, DE BERNARDO M, DE LUCA M, FLAGIELLO A, ROSA N.  
83) CORNEAL CONFOCAL MICROSCOPY FINDINGS IN PATIENTS WITH SJOGREN DISEASE  
VI World Cornea Congress, Boston, Massachussets. (USA), 7-9 April 2010  
LANZA M, BORRELLI M, DE BERNARDO M, MINUTILLO E, FUSCO F, ROSA N.  
84) CHANGES IN CORNEAL VOLUME AFTER MYOPIC PHOTOREFRACTIVE KERATECTOMY

- ASCRS-AOA Congress, Boston, Massachusetts. (USA), 10-13 April 2010  
BORRELLI M, LANZA M, DE BERNARDO M, DE LUCA M, FLAGIELLO A, ROSA N.
- 85) CORNEAL CONFOCAL MICROSCOPY FINDINGS IN PATIENTS WITH SJOGREN DISEASE  
ASCRS-AOA Congress, Boston, Massachusetts. (USA), 10-13 April 2010  
LANZA M, BORRELLI M, DE BERNARDO M, MINUTILLO E, FUSCO F, ROSA N.
- 86) Biomechanical Corneal Changes 12 months After Corneal Crosslinking  
AAO Congress, Chicago, Illinois (USA), 15-19 October 2010  
Nicola Rosa, Luigi Capasso, Achille Tortori, Lucia Gifuni, Fabrizia Fusco, Michele Lanza
- 87) Corneal thickness study before and after corneal cross-linking  
XXIX Congress of the European Society of Cataract and Refractive Surgeons, Vienna, Austria, 17-21 September 2011  
F. Pascotto, M. Lanza, M. De Bernardo, L. Gifuni, A. Tortori
- 88) Corneal biomechanical change 12 months after corneal cross-linking in patients with keratoconus.  
XXIX Congress of the European Society of Cataract and Refractive Surgeons, Vienna, Austria, 17-21 September 2011  
N. Rosa, L. Capasso, M. Lanza, M. De Bernardo, L. Gifuni, A. Tortori
- 89) How we can improve IOL power calculation in short eyes?  
XXIX Congress of the European Society of Cataract and Refractive Surgeons, Vienna, Austria, 17-21 September 2011  
M. De Bernardo, M. Lanza, F. Fusco, F. Pascotto, A. Flagiello, N. Rosa
- 90) A method to improve the IOL power calculation in long eyes  
XXIX Congress of the European Society of Cataract and Refractive Surgeons, Vienna, Austria, 17-21 September 2011  
M. Lanza, V. Orfeo, M. De Bernardo, G. Cennamo, M. Breve, D. Boccuzzi, N. Rosa.
- 91) IOP and central thickness study in patients with facioscapulothoracic myotonic dystrophy.  
N. Rosa, M. Lanza, M De Bernardo, MR Cecio, L. Politano  
AAO Congress, Orlando, Florida (USA) 22-25 October 2011
- 92) Retinal nerve fibre layer and brain atrophy in relapsing remitting multiple sclerosis: a longitudinal correlation study.  
AAO-APAO ANNUAL MEETING, CHICAGO ILLINOIS (USA) 10-13 NOVEMBER 2012  
Michele Lanza, Antonio Gallo, Rosaria Sacco, Alvino Bisecco, Luigi Lavorgna, Mario Cirillo, Simona Bonavita, Gioacchino Tedeschi.
- 93) LONG-TERM RESULTS OF CORNEAL COLLAGEN CROSSLINKING FOR PROGRESSIVE KERATOCONUS  
AAO-APAO ANNUAL MEETING, CHICAGO ILLINOIS (USA) 10-13 NOVEMBER 2012  
Maddalena De Bernardo, Nicola Rosa , Michele Lanza, Luigi Capasso, Achille Tortori
- 94) Evaluation of corneal power changes after myopic laser refractive surgery with a new Scheimpflug Camera device.  
REFRACTIVE SURGERY SUBSPECIALITY DAYS AAO-APAO ANNUAL MEETING, CHICAGO ILLINOIS (USA) 9-10 NOVEMBER 2012  
Michele Lanza, Michela Cennamo, Carlo Irregolare, Filippo Ranni, Giovanni Coen
- 95) Evaluation of speed and amplitude of corneal deformation in naïve eyes utilizing Oculus Corvis  
REFRACTIVE SURGERY SUBSPECIALITY DAYS AAO-APAO ANNUAL MEETING, CHICAGO ILLINOIS (USA) 9-10 NOVEMBER 2012  
Michele Lanza, Michela Cennamo, Carlo Irregolare, Maddalena De Bernardo
- 96) Corneal biomechanical study with a new Scheimpflug camera in healthy subjects  
XXXI Congress of the European Society of Cataract and Refractive Surgeons, Amsterdam (Olanda), 5-9 October 2013  
Michele Lanza, Stefania Iaccarino, Michela Cennamo, Mariaelena Capasso, Carlo Irregolare
- 97) Intraocular Pressure Study in Healthy Eyes: Goldmann Tonometry Versus Dynamic Contour Tonometry Versus Non-Contact Tonometry Versus Scheimpflug Device  
ASCRS-AOA Congress, Boston, Massachusetts. (USA), 25-29 April 2014  
Michele Lanza, Stefania Iaccarino, Michela Cennamo, Carlo Irregolare, Vito Romano, Ugo Antonello Gironi Carnevale.
- 98) Evaluation of corneal deformation with Scheimpflug camera after myopic PRK.  
Refractive Surgery Subspeciality Days AAO-SOE Annual Meeting, Chicago Illinois (USA) 17-18 October 2014  
Michele Lanza, Raffaele Piscopo, Miguel Rechichi, Gennarfrancesco Iaccarino, Michele Rinaldi.
- 99) Evaluation of cicatricial pempfigoid conjunctiva with ocular coherence tomography.  
AAO-SOE Annual Meeting, Chicago Illinois (USA) 18-22 October 2014  
Michele Lanza, Raffaele Piscopo, Diego Strianese, Fausto Tranfa, Michela Cennamo, Alessandro Lanza
- 100) The effect of fingolimod on macular parameters: a 2-year longitudinal study  
AAO-SOE Annual Meeting, Chicago Illinois (USA) 18-22 October 2014.

Michele Lanza, Vito Romano, Michele Rinaldi, Serena Borrelli, Alvino Bisecco, Gioacchino Tedeschi, Antonio Gallo.  
 101) Intraoperative OCT Pachymetric Mapping During Accelerated Pulsed High-Fluence Corneal Collagen Crosslinking With Dextran-Free Riboflavin  
 AAO-SOE Annual Meeting, Chicago Illinois (USA) 18-22 October 2014.  
 Miguel M Rechichi, Sheraz M Daya, Cosimo Mazzotta, Rita Mencucci, Michele Lanza  
 102) Corneal morphology and aberrometric variation in epi off collagenic cross linking  
 19<sup>th</sup> ESCRS Winter Meeting 20 – 22 February 2015, Turkey  
 A.Rampone, E. Paolillo, A. Orrico, M. Bifani, M. Lanza, S. Sbordone.  
 103) Corneal cross-linking with epithelial removal: safeness and effectiveness at 1 year follow-up.  
 XXXIII Congress of the ESCRS 5 – 9 Sept. 2015, Barcelona, Spain  
 Angelo Rampone, Ada Orrico, Mario Bifani, Michele Lanza, Sandro Sbordone  
 104) Comparison of IOP Evaluation Before and After Myopic PRK With 4 Different Devices  
 Refractive Surgery Subspecialty Days AAO Annual Meeting Las Vegas, Nevada Friday, 13-17 November, 2015  
 Michele Lanza, Carlo Irregolare, Luigi Mele, Sandro Sbordone, Mario Bifani  
 105) Morphological and functional evaluation of citicoline effect on chronic open angle glaucoma patients, two years follow up study.  
 Michele Lanza, Gianbattista Scazzi, Sandro Sbordone, Carlo Irregolare, Raffaele Piscopo, Mario Bifani  
 AAO Annual Meeting Chicago, Illinois, 15-18 October, 2016

### **Papers in National conferences (Italian)**

- 1) Valutazione del profilo corneale dopo trattamento fotorefrattivo con la tecnica delle zone multiple.  
 XVII SILO (Società Italiana di Laser in Oftalmologia) 2001 Cortina D'Ampezzo  
 Rosa N., Lanza M., De Rosa G., Frattolillo A., Romano A.
  - 2) La fotocheratectomia rifrattiva può essere utilizzata per correggere le miopie di grado elevato?  
 XVIII Congresso della S.I.L.O. Cortina d'Ampezzo 24-26/1/ 2002  
 De Rosa G., Rosa N., Iaccarino G., Lanza M., Di Dato A., Romano A.
  - 3) Un nuovo metodo per calcolare il potere della lente intraoculare in soggetti precedentemente sottoposti a chirurgia rifrattiva.  
 Giornate Scientifiche della Facoltà, Napoli 3-5/6/02.  
 N. Rosa, L. Capasso, G. Iaccarino, Lanza M, G. De Rosa, G. Fusco, A. Romano.
  - 4) Valutazione della pressione intraoculare dopo PRK. Tornare all' antico sarà un progresso?\*
- XIX Congresso Annuale SILO, Cortina d'Ampezzo (BL) 23-25 January 2003.  
 G. Cennamo, N. Rosa, G. Iaccarino, A. Di Meo, M. Lanza, A. Romano.  
 \*Comunicazione premiata col premio Merk Sharp & Dhome riservato alle due migliori comunicazioni presentate al congresso.
- 5) Primi risultati sull' affidabilità di un fattore di correzione da noi individuato nel Calcolo della IOL dopo PRK, utilizzando diverse formule.  
 XIX Congresso Annuale SILO, Cortina d'Ampezzo (BL) 23-25 January 2003.  
 N. Rosa, L. Capasso, M. Lanza, D. Furgiuele, A. Romano.
  - 6) Affidabilità dell'Orbscan nel valutare le variazioni refrattive dopo PRK.  
 XIX Congresso Annuale SILO, Cortina d'Ampezzo (BL) 23-25 January 2003.  
 A. Di Dato, M. Lanza, N. Rosa, L. Capasso, G. Buzzo, C. D'Alessio, A. Romano.
  - 7) Analisi comparativa dei parametri della topografia corneale per determinare le variazioni del diotro oculare dopo fotocheratectomia rifrattiva.  
 Giornate Scientifiche della Facoltà, Napoli, 4-6/06/03.  
 Lanza M, Rosa N, Furgiuele D, Capasso L, De Rosa G., Iaccarino G., Della Corte M., Rossi S., Romano A.
  - 8) Affidabilità di un nuovo fattore di correzione nel calcolo del potere della lente intraoculare in pazienti precedentemente sottoposti a chirurgia rifrattiva.  
 Giornate Scientifiche della Facoltà, Napoli, 4-6/06/03.  
 Capasso L, Lanza M, Iaccarino G., De Rosa G., Della Corte M., Romano M., Rossi S., Rosa N.
  - 9) Paragone tra tre diversi metodi di misurazione del potere corneale dopo chirurgia rifrattiva.  
 83esimo Congresso SOI, Roma, 26-29 November 2003.  
 L. Capasso, M. Lanza, N. Rosa, G. Iaccarino, B. Polito, A. Romano.
  - 10) Valutazione della pressione intraoculare dopo fotocheratectomia rifrattiva con tre diverse metodiche.

83esimo Congresso SOI, Roma, 26-29 November 2003.

M. Lanza, N. Rosa, G. Cennamo, L. Capasso, A. Di Meo, A. Romano.

11) Studio delle aberrazioni corneali indotte dalla chirurgia rifrattiva.

83esimo Congresso SOI, Roma, 26-29 November 2003.

N. Rosa, D. Furgiuele, L. Capasso, M. Lanza, G. Buzzo, A. Romano.

12) Metastasi coroideale trattata con TTT

Simposio Società Italiana Ecoftalmologia, 83esimo Congresso SOI, Roma, 26-29 November 2003

M. Lanza, G. Iaccarino, A. Di Dato, A. Iuliano, M. Menzione, N. Rosa

13) Una rara metastasi coroideale: descrizione di un caso

Simposio Società Italiana Ecoftalmologia, 83esimo Congresso SOI, Roma, 26-29 November 2003

G. Iaccarino, M. Lanza, L. Capasso, S. Rossi, N. Rosa

14) Sospetta metastasi orbitaria: ruolo dell'ecografia

Simposio Società Italiana Ecoftalmologia, 83esimo Congresso SOI, Roma, 26-29 November 2003

L. Capasso, G. Iaccarino, M. Lanza, S. Rossi, N. Rosa

15) PRIMI RISULTATI OTTENUTI CON UN NUOVO ALGORITMO PER IL TRATTAMENTO DELL'IPERMETROPIA TRAMITE PRK: RISULTATI PRELIMINARI .

XX Congresso Annuale SILO, Cortina d'Ampezzo (BL) 29-31 January 2004.

Rosa N., Lauritano A. Capasso L., Lanza M., D'Alessio M.C., Polito B., Romano A.

16) AFFIDABILITA' DELL'ORBSCAN NEL VALUTARE LE VARIAZIONI RIFRATTIVE DOPO PRK IPERMETROPICA.\*

XX Congresso Annuale SILO, Cortina d'Ampezzo (BL) 29-31 January 2004.

Romano M., Lanza M., Capasso L., Iaccarino G., Polito B., Rosa N.

\*Comunicazione premiata con il premio OPTIKON 2000 per la migliore comunicazione presentata al XX congresso SILO

17) VALUTAZIONE DELLE VARIAZIONI DEL POTERE CORNEALE INDOTTE DALLA PRK IPERMETROPICA TRAMITE CHERATOMETRIA AUTOMATIZZATA.

XX Congresso Annuale SILO, Cortina d'Ampezzo (BL) 29-31 January 2004.

Rosa N., Della Corte M., Di Dato A., Capasso L., Lanza M., Romano A.

18) VALUTAZIONE DELLA PRESSIONE INTRAOCULARE DOPO PRK IPERMETROPICA CON TONOMETRIA AD APPLANAZIONE E NON CONTACT.

XX Congresso Annuale SILO, Cortina d'Ampezzo (BL) 29-31 January 2004.

Rosa N., Rossi S., Lanza M., Capasso L., Di Meo A., Fusco C., Romano A.

19) MIOPIZZAZIONE DOPO PRK MIOPIA: CASO CLINICO.

XX Congresso Annuale SILO, Cortina d'Ampezzo (BL) 29-31 January 2004.

Rosa N., Lanza M., Capasso L., Pascotto F., De Rosa G., Romano A..

20) Studio di eventuali variazioni della lunghezza assiale dopo fotocheratectomia rifrattiva,

Giornate Scientifiche della Facoltà, Napoli 9-11/06/04

Capasso L., Lanza M., Fusco C., Pascotto F., De Rosa G., Di Dato A., Rosa N.

21) Valutazione di diverse metodiche tonometriche per stabilirne l'attendibilità dopo chirurgia rifrattiva.

Giornate Scientifiche della Facoltà, Napoli 9-11/06/04

Lanza M., Capasso L., Rossi S., D'Alessio A.C., Iaccarino G., Di Meo A., Rosa N.

22) CALCOLO DELLA IOL DOPO PRK QUANDO NON SI CONOSCONO I PARAMETRI PRE OPERATORI: PARAGONE TRA TRE DIFFERENTI METODICHE

XXI Congresso Annuale SILO, Cavalese (BL) 20-22 January 2005.

Rosa N, Rossi S., Capasso L, Lanza M., Polito B., Romano A.

23) VALUTAZIONE DELLE ABERRAZIONI CORNEALI DI ORDINE SUPERIORE PRIMA E DOPO FOTOCHERATECTOMIA RIFRATTIVA.\*

XXI Congresso Annuale SILO, Cavalese (BL) 20-22 January 2005.

Rosa N, Romano M., Lanza M., Capasso L., Pascotto F., Polito B.

\*Comunicazione premiata con il premio OPTIKON 2000 per la migliore comunicazione presentata al XX congresso SILO

24) SI PUO' MODIFICARE LA DOMINANZA OCULARE CON GLI INTERVENTI DI CHIRURGIA RIFRATTIVA?

XXI Congresso Annuale SILO, Cavalese (BL) 20-22 January 2005.

Rosa N, Furgiuele D., Capasso L., Lanza M., De Rosa G., Romano A.

25) TRATTAMENTO FOTOREFRATTIVO DELL'ASTIGMATISMO CON LA TECNICA DEI CILINDRI CROCIATI: STUDIO CLINICO

XXI Congresso Annuale SILO, Cavalese (BL) 20-22 January 2005.

Rosa N., Romano M., Lanza M., Capasso L., Rossi S., Romano A.

26) Descrizione di un nuovo metodo per migliorare l'attendibilità della tonometria ad appianazione dopo chirurgia refrattiva

Giornate Scientifiche della Facoltà, Napoli 4-6 July 2005

Rosa N., Lanza M., Capasso L., Iaccarino G., Polito B., Minutillo E., Romano A.

27) Microscopia confocale dopo chirurgia refrattiva con PRK ed EpiLASIK

86° Congresso Nazionale SOI, Milano, 23-26 November 2005

M. Fortunato, A. Menna, M. Illiano, N. Rosa, M. Lanza, R. Maggi, S. Santamaria.

28) Paragone tra tonometria ad appianazione e tonometria a contorno dinamico dopo PRK miopica

XXIII Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 25-27 January 2007.

Borrelli Maria, Lanza Michele, Filosa Maria Luisa, Tarallo Stefano, Rosa Nicola

29) Affidabilità dell'Holladay Report nel calcolo del potere corneale dopo chirurgia refrattiva

XXIII Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 25-27 January 2007.

Filosa Maria Luisa, Lanza Michele, Borrelli Maria, Rosa Nicola

30) Calcolo del potere della IOL dopo chirurgia refrattiva in assenza di parametri preoperatori

XXIII Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 25-27 January 2007.

Rosa Nicola, Lanza Michele, Capasso Luigi, De Luca Marco, Polito Biagio

31) Valutazione dello spessore centrale della cornea: Orbscan versus Pentacam\*

XXIII Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 25-27 January 2007.

Minutillo Emma, Lanza Michele, Polito Biagio, De Rosa Mauro, Rosa Nicola

\*Comunicazione premiata con il premio OPTIKON 2000 per la migliore comunicazione presentata al XXIII congresso SILO

32) Variazioni della morfologia oculare dopo chirurgia refrattiva corneale

XXIII Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 25-27 January 2007.

Lanza Michele, Borrelli Maria, Filosa Maria Luisa, Minutillo Emma, Rosa Nicola

33) Valutazione della pressione intraoculare in soggetti precedentemente sottoposti a PRK miopica: paragone tra tonometria ad appianazione e tonometria a contorno dinamico.

3° Congresso Annuale SIGLA: la diagnosi e la terapia. Catania 29-30 June 2007

N. Rosa, M. Lanza, M. Borrelli, M.L. Filona, E. Minutillo, M. De Rosa, M. De Luca

34) Affidabilità della polarimetria a scansione laser nella valutazione dello spessore delle fibre nervose retiniche dopo chirurgia refrattiva.

3° Congresso Annuale SIGLA: la diagnosi e la terapia. Catania 29-30 June 2007

M. Lanza, N. Rosa, M. Borrelli, B. Polito, M. De Rosa, M. De Luca

35) NOSTRA ESPERIENZA NEL TRATTAMENTO DEL GLAUCOMA AD ANGOLO APERTO CON LA LASER TRABECULOPLASTICA SELETTIVA (SLT)

Valutazione prechirurgica del paziente glaucomatoso. Castellamare di Stabia (NA) 28 September 2007

Minutillo Emma, Lanza Michele, Vastarella Paola, Polito Biagio, Rosa Nicola

36) VALUTAZIONE DEL TONO INTRA OCULARE CON TONOMETRO DI PASCAL

Valutazione prechirurgica del paziente glaucomatoso. Castellamare di Stabia (NA) 28 September 2007

De Bernardo Maddalena, Lanza Michele, Polito Biagio, Irregolare Carlo, Rosa Nicola

37) STUDIO DELL'AFFIDABILITÀ DELL' ICARE® NELLA VALUTAZIONE DELLA PRESSIONE INTRA OCULARE

Valutazione prechirurgica del paziente glaucomatoso. Castellamare di Stabia (NA) 28 September 2007

Lanza Michele, Borrelli Maria, Avella Annamaria, De Bernardo Maddalena, Rosa Nicola

38) VALUTAZIONE DELLA PRESSIONE INTRA OCULARE CON L' OCULAR RESPONSE ANALYZER: NOSTRA ESPERIENZA

Valutazione prechirurgica del paziente glaucomatoso. Castellamare di Stabia (NA) 28 September 2007

Irregolare Carlo, Lanza Michele, Borrelli Maria, Minutillo Emma, Rosa Nicola



- 39) ANALISI DELLE VARIAZIONI DELLE PROPRIETA' BIOMECCANICHE DELLA CORNEA 6 MESI DOPO CHIRURGIA RIFRATTIVA  
XXIV Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 24-26 January 2008  
Lanza M., Irregolare C., Borrelli M., Minutillo E., Rosa N.
- 40) NUOVE PROSPETTIVE NEL CALCOLO DEL POTERE DELLA IOL DOPO CHIRURGIA RIFRATTIVA IN ASSENZA DI PARAMETRI PREOPERATORI  
XXIV Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 24-26 January 2008  
Rosa N., Lanza M., Capasso L., Borrelli M., De Bernardo M.
- 41) PARAGONE TRA TONOMETRIA AD APPLANAZIONE E TONOMETRIA CON ICARE NELLA VALUTAZIONE DELLA PRESSIONE INTRAOCULARE DOPO PRK  
XXIV Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 24-26 January 2008  
De Bernardo M., Lanza M., Borrelli M., Filosa M.L., Rosa N.
- 42) PARAGONE TRA OCULUS PENTACAM E OCULUS PENTACAM HIGH RESOLUTION NELLA VALUTAZIONE DEL SEGMENTO ANTERIORE DI SOGGETTI SOTTOPOSTI A SCREENING PER CHIRURGIA RIFRATTIVA  
XXIV Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 24-26 January 2008  
Minutillo E., Lanza M., Borrelli M., De Bernardo M., Rosa N.
- 43) E' NECESSARIO UNA MAYRE CAUTELA NELL'USO DI COLLIRI STEROIDEI IN PAZIENTI SOTTOPOSTI A CHIRURGIA RIFRATTIVA?  
XXIV Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 24-26 January 2008  
Borrelli M., Lanza M., Irregolare C., Minutillo E., Rosa N.
- 44) COME EVITARE SORPRESE NEL CALCOLO DELLA IOL DOPO CHIRURGIA RIFRATTIVA: MODIFICHE ALL' R FACTOR  
XI CONGRESSO AICCR, BENTIVOGLIO (BO), 6-8 March 2008  
N. Rosa, M. Lanza, M. Borrelli, L. Capasso, D. De Bernardo, M.L. Filosa, E. Minutillo
- 45) CROSS LINKING CORNEALE: RISULTATI PRELIMINARI  
XI CONGRESSO AICCR, BENTIVOGLIO (BO), 6-8 March 2008  
L. Capasso, M. Borrelli, A. Tortori, L. Gifuni, M. Lanza, C. Buono, N. Rosa
- 46) UN NUOVO METODO PER STABILIRE SE LA VARIAZIONE RIFRATTIVA DOPO INTERVENTO DI PRK SIA DOVUTA ALL' INSORGENZA DI OPACITA' LENTICOLARI.  
XXV Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 29-31 January 2009  
Rosa, M. Lanza, M. Borrelli, M. De Bernardo, M.L. Filosa, E. Minutillo
- 47) Paragone tra Pentacam, Orbscan II e Visante OCT nella valutazione del punto di massimo assottigliamento corneale in pazienti affetti da cheratocono.  
VIII Congresso SICSSO, Sorrento (NA), 11-13 June 2009  
L. Capasso, A. Tortori, M. Lanza, C. Buono, N. Rosa
- 48) Modificazioni delle proprietà biomeccaniche della cornea dopo crosslinking corneale  
VIII Congresso SICSSO, Sorrento (NA), 11-13 June 2009  
M. Borrelli, L. Capasso, A. Tortori, M. Lanza, L. Gifuni, N. Rosa
- 49) Valutazione della distrofia corneale centrale nebulosa con la microscopia confocale in vivo  
VIII Congresso SICSSO, Sorrento (NA), 11-13 June 2009  
M.L. Filosa, M. Lanza, C. Irregolare, M. Borrelli, F. Chiosi, N. Rosa
- 50) Valutazione della struttura corneale con microscopia confocale in pazienti affetti da sindrome di Sjogren  
VIII Congresso SICSSO, Sorrento (NA), 11-13 June 2009  
M. Lanza, M. Borrelli, C. Irregolare, M. De Luca, F. Pascotto, N. Rosa
- 51) Valutazione clinico strumentale di una cornea affetta da distrofia Farinata con microscopia confocale  
VIII Congresso SICSSO, Sorrento (NA), 11-13 June 2009  
E. Minutillo, M. Lanza, C. Irregolare, F. Fusco, N. Rosa
- 52) Variazioni delle proprietà biomeccaniche della cornea dopo chirurgia refrattiva di superficie con laser ad eccimeri  
VIII Congresso SICSSO, Sorrento (NA), 11-13 June 2009  
M. De Bernardo, M. Lanza, C. Irregolare, M. Borrelli, G. Scarfato, N. Rosa
- 53) STUDIO BIOMECCANICO E MORFOLOGICO DI CORNEE SOTTOPOSTE A CROSSLINKING  
XXVI Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 28-30 January 2010  
Fusco F., Capasso L., Tortori A., Lanza M., Borrelli M., Rosa N.

54 bis) NUOVE FORMULE DI REGRESSIONE PER IL CALCOLO DELLA IOL DOPO CHIRURGIA RIFRATTIVA

XXVI Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 28-30 January 2010  
Rosa N., De Bernardo M., Borrelli M., Scarfato G., Lanza M.

54) VALUTAZIONE DELLA BIOMECCANICA CORNEALE IN PAZIENTI SOTTOPOSTI A PRK IPERMETROPICA

XXVI Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 28-30 January 2010  
Flagiello A., Lanza M., Borrelli M., De Bernardo M., Rosa N.

55) VALUTAZIONE DEL VOLUME E DELLO SPESSORE CORNEALE IN PAZIENTI SOTTOPOSTI A PRK IPERMETROPICA

XXVI Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 28-30 January 2010  
De Bernardo M., Borrelli M., Lanza M., Minutillo E., Rosa N.

56) VALUTAZIONE DELL'EFFETTO DELLA FOTOCHERATECTOMIA RIFRATTIVA SULLA DOMINANZA OCULARE

XXVI Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 28-30 January 2010  
Borrelli M., Lanza M., De Bernardo M., Pascotto F., Rosa N.

57) MISURAZIONE DELLO SPESSORE CORNEALE IN PAZIENTI DA SOTTOPORRE A FOTOCHERATECTOMIA RIFRATTIVA

XXVI Congresso SILO (Società Italiana Laser in Oftalmologia), Cortina D'Ampezzo 28-30 January 2010  
De Luca M., Lanza M., Borrelli M., De Bernardo M., Rosa N.

58) STUDIO DELLE MODIFICHE MORFOLOGICHE DELLA CORNEA DOPO INTERVENTO DI CHIRURGIA RIFRATTIVA LASER MIOPIA

XXVII Congresso Annuale Società Italiana Laser in Oftalmologia, Cortina D'Ampezzo 27-29 January 2011  
Pascotto F., Lanza M., De Bernardo M., Irregolare C., Rosa N.

59) COME VALUTARE SE UN PAZIENTE È STATO NORMO-IPO O IPER CORRETTO DOPO INTERVENTO RIFRATTIVO IN PRESENZA DI INIZIALI OPACITÀ DEL CRISTALLINO

XXVII Congresso Annuale Società Italiana Laser in Oftalmologia, Cortina D'Ampezzo 27-29 January 2011  
De Bernardo M., Lanza M., De Luca M., Pascotto F., Rosa N.

60) STUDIO BIOMECCANICO DELLE CORNEE AFFETTE DA CHERATOCONO SOTTOPOSTE A TRATTAMENTO DI CROSSLINKING DOPO UN ANNO

XXVII Congresso Annuale Società Italiana Laser in Oftalmologia, Cortina D'Ampezzo 27-29 January 2011  
De Luca M., Lanza M., De Bernardo M., Capasso L., Tortori A., Rosa N.

61) EVALUATION OF CORNEAL BIOMECHANICAL PROPERTIES BEFORE AND AFTER CORNEAL CROSSLINKING

1st JOINT INTERNATIONAL CONGRESS Refr@ctive.online and SICSSO, Grosseto 7-9 July 2011  
M. De Bernardo, L. Capasso, M. Lanza, A. Tortori, F. Fusco, N. Rosa

62) EVALUATION OF CORNEAL BIOMECHANICAL PROPERTIES BEFORE AND AFTER PHOTOREFRACTIVE KERATECTOMY

1st JOINT INTERNATIONAL CONGRESS Refr@ctive.online and SICSSO, Grosseto 7-9 July 2011  
M. Lanza, M. De Bernardo, M. De Luca, A. Flagiello, N. Rosa

63) VALUTAZIONE DELLA BIOMECCANICA CORNEALE DOPO CROSSLINKING CORNEALE TRANSEPITELIALE IN PAZIENTI CON CHERATOCONO

Congresso annuale SILO Cortina d'Ampezzo - 26/27/28 January 2012

Rosa N.1, Capasso L.2, Lanza M.1, De Bernardo M.1, Buono C.2, Gifuni L.2, Tortori A.2

#### **Invited speaker at following conferences:**

- 1) Occhio secco e microvilli epiteliali, Napoli, 28/04/05
- 2) Valutazione della pressione intraoculare: passato, presente e futuro, Napoli 30/06/2005
- 3) Alta tecnologia nella patologia glaucomatosa. Napoli 13 Ottobre 2006
- 4) X Corso di Topografia corneale ed Aberrometria, Roma 20 Aprile 2007
- 5) Valutazione prechirurgica del paziente glaucomatoso Castellamare di Stabia (NA) 28 Settembre 2007
- 6) Nuove acquisizioni in tema di superficie oculare: teoria e pratica. Napoli 11/04/08
- 7) Possibilità e limiti della chirurgia palpebrale oggi. Acerra (NA) 28 giugno 2008

- 8) Come fare diagnosi di glaucoma in ambulatorio. Caserta 15 Maggio 2009
- 9) Cross-linking e chirurgia rifrattiva nell'età evolutiva. Napoli 5 Febbraio 2010
- 10) Gestione della patologia glaucomatosa: dalla diagnosi alla terapia. Benevento 23 Ottobre 2010
- 11) Glaucoma, Progressione e Controllo. Napoli 17 Giugno 2010
- 12) Present Challenges in Glaucoma. Napoli 10 Dicembre 2010
- 13) What's new 2011 in Glaucoma. Caserta 30 Settembre – 1 Ottobre 2011
- 14) Strategie a confronto per migliorare la prognosi del Glaucoma. Napoli, 19 Ottobre 2011
- 15) Incontro sulla Patologia Tiroidea, Grottaminarda (AV) 14 Gennaio 2012
- 16) Convegno Campano AIERV Novità nel campo di abilitazione/riabilitazione visiva e oftalmologia pediatrica. Napoli 24 Febbraio 2012
- 17) XVII KMSG Congress. Acaya-Lecce 20-22 Giugno 2013
- 18) MODERNO INQUADRAMENTO DELLA PATOLOGIA TIROIDEA, GROTTAMINARDA (AV) 28 MARZO 2015
- 19) Update sulla chirurgia vitreo retinica, Massa di Somma (Napoli) 10-11 Novembre 2016
- 20) Update sulla chirurgia vitreo retinica, Ospedale di Maddaloni (Caserta) 20-21 Febbraio 2018

## Teaching

Instructor at Corneal topography course "Orbscan IIZ", Clinica Ruesh, Napoli, 17 Settembre 2003.

Instructor at "IOL calculation after refractive surgery, how to avoid surprises." SOI Congress, Rome 26-29 November 2003.

Instructor for the course of the clinical-scientific update "Calculation of IOL after refractive surgery: state of the art" in the field of II International Congress SOI. Naples 20-22 May 2004.

Instructor for the course of the clinical-scientific update "IOL power calculation after refractive surgery" ESCRS Congress 2004 Paris (France), 18-22 September 2004.

Professor of "Eye diseases" to the three-year degree course in "Orthoptics and Ophthalmology assistance" from the academic year 2003-04 the Faculty of Medicine and Surgery of the Second University of Naples.

Professor of "Semiotics of the posterior segment" to the three-year degree course in "Orthoptics and Ophthalmology assistance" from the academic year 2004-05 the Faculty of Medicine and Surgery of the Second University of Naples.

Apparatus Diseases teacher Visual undergraduate program in "Podiatry" from the academic year 2004-05 the Faculty of Medicine and Surgery of the Second University of Naples.

Instructor Course corneal topography Orbscan IIZ, Hotel Fortyseven, Rome, May 6, 2005.

Instructor Course "How to avoid errors in the calculation of the IOL after refractive surgery" 85th Congress SOI, Milan 23-26 November 2005.

Instructor for the course of the clinical-scientific update "Confocal MICROSCOPY IN THE DIAGNOSIS AND MANAGEMENT OF CORNEAL DISEASES" ESCRS Congress 2006 London (United Kingdom), 9-13 September 2006.

Instructor for the course of the clinical-scientific update "IOL power calculation in eyes That underwent refractive surgery: how can I make it right?" JCAHPO's Congress, Las Vegas, Nevada (USA), 10-14 November 2006

Professor of "Ceramic decoration and related visual pathologies" to continuing education course in conservation, enhancement and design of ceramic products Academic year 2006-2007 the Faculty of Architecture of the Second

University of Naples.

Professor of "Eye diseases" to the three-year degree in Speech Therapy and Rehabilitation Psychomotor of the academic year 2007-08 the Faculty of Medicine and Surgery of the Second University of Naples.

Professor of "Optical" at the School of Specialization in Ophthalmology at the Second University of Naples from the academic year 2007-08.

Professor of "Eye diseases" to the undergraduate program in therapy of neuro and psychomotor developmental dell'età from the academic year 2007-08 the Faculty of Medicine of the Second University of Naples.

Professor of "Neurophthalmology" from the academic year 2008-09 at the School of Specialization in Neurosurgery, Faculty of Medicine and Surgery of the Second University of Naples.

Professor of "diseases of the Visual" from '2012-13 academic year at the School of Specialization in Geriatrics Faculty of Medicine and Surgery of the Second University of Naples.

Component Teaching Staff of the PhD in EXPERIMENTAL SURGERY RECONSTRUCTIVE XXIV cycle; XXV cycle, the Second University of Naples, Prof. Francesco D'Andrea.

Professor of "Orbital Pathology" at the School of Specialization in Ophthalmology at the Second University of Naples aa 2010/11

Professor at the single-subject course "Calculation of IOL in complicated cases: how to avoid surprises" as part of the IX International Congress SOI Rome 18-21 May 2011

Professor at the single-subject course "Calculation of IOL in complicated cases: how to avoid surprises" as part of the IX International Congress SOI Milan 23-26 November 2011