



Salvatore Giovanni Vitale

Ginecologo · Docente di Ginecologia e Ostetricia
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Women's health and pregnancy

Profilo

Ginecologo, docente di Ginecologia e Ostetricia presso l'Università degli Studi di Catania, svolge la propria attività clinica presso il Policlinico Universitario "Gaspere Rodolico", dedicandosi alla salute della donna e alla gestione della gravidanza, con competenze di elevata specializzazione in isteroscopia diagnostica e operativa, endocrinologia ginecologica e medicina della riproduzione, maturate attraverso numerosi percorsi formativi in centri d'eccellenza nazionali.

Ha conseguito con *lode* la laurea in Medicina e Chirurgia presso l'Università degli Studi di Catania, dove si è successivamente specializzato con *lode* in Ginecologia e Ostetricia, completando poi il Dottorato di Ricerca in Biotecnologie Mediche e Chirurgiche presso l'Università degli Studi di Messina.

È inventore di diversi strumenti isteroscopici, tra cui la pinza "biopsy snake grasper sec. VITALE", commercializzata e distribuita su scala globale, per la quale la *European Society of Gynecology (ESG)* gli ha conferito il prestigioso "Alice and Albert Netter Prize", riconoscendolo come miglior giovane ricercatore europeo in occasione del 15° Congresso della Società, svoltosi ad Amsterdam nel novembre 2023.

Coordina numerosi progetti di ricerca nazionali e internazionali, molti dei quali finanziati da qualificate Istituzioni e Università, ed è autore di oltre 350 articoli pubblicati su riviste scientifiche internazionali di alto impatto, nonché di trattati e monografie di riconosciuto prestigio e diffusione globale.

L'eccellenza della sua attività di ricerca gli è valsa, a partire dal 2019, l'inclusione continuativa nella lista dei "World's Top 2% Scientists", classifica elaborata dalla Stanford University (USA) che identifica i ricercatori più influenti a livello mondiale sulla base di indicatori di qualità e impatto scientifico.

oltre 350

articoli su riviste scientifiche internazionali

Top 2%

World's Top 2% Scientists, Stanford University, dal 2019

2023

Alice and Albert Netter Prize, European Society of Gynecology

Formazione e qualifiche

- 2025** ● Master Universitario di II livello in Ricerca Preclinica e Clinica conseguito con il massimo dei voti e la lode presso l'Università degli Studi di Parma.
- 2025** ● Ricercatore Universitario e docente di Ginecologia e Ostetricia presso l'Università degli Studi di Catania, con attività clinica svolta presso l'U.O.C. Clinica Ostetrica e Ginecologica dell'Azienda Ospedaliero-Universitaria Policlinico "Gaspere Rodolico – San Marco" di Catania, Presidio Ospedaliero Policlinico "Gaspere Rodolico" di Catania.

- 2025**  Conseguimento dell'Attestato GESEA (Gynaecological Endoscopic Surgical Education and Assessment) di II livello presso il Policlinico Universitario "Agostino Gemelli" IRCCS di Roma, rilasciato dalla European Society for Gynaecological Endoscopy (ESGE) a certificazione di competenze avanzate in chirurgia ginecologica mini-invasiva laparoscopica ed isteroscopica.
- 2024**  Membro del Collegio dei Docenti del Dottorato di Ricerca in Scienze e Tecnologie per l'Innovazione dell'Università degli Studi di Cagliari.
- 2024**  Conseguimento dell'Abilitazione Scientifica Nazionale alle funzioni di Professore Ordinario nel Settore Concorsuale o6/H1 - Ginecologia e Ostetricia.
- 2022**  Ricercatore Universitario e docente di Ginecologia e Ostetricia presso l'Università degli Studi di Cagliari, con attività clinica svolta presso l'U.O.C. Clinica Ostetrica e Ginecologica dell'Azienda Ospedaliero-Universitaria di Cagliari, Presidio Ospedaliero Policlinico "Duilio Casula", Monserrato (Cagliari).
- 2022**  Docente a contratto di Ginecologia e Ostetricia presso l'Università degli Studi di Catania nei Corsi di Laurea in Ostetricia e Infermieristica.
- 2017 – 2022**  Fellowship presso il Servizio di Isteroscopia dell'U.O.C. Ostetricia e Ginecologia Oncologica, A.O.U. "Federico II" di Napoli (responsabile e tutor: Prof. Attilio Di Spiezio Sardo).
- 2018**  Conseguimento dell'Abilitazione Scientifica Nazionale alle funzioni di Professore Associato nel Settore Concorsuale o6/H1 - Ginecologia e Ostetricia.
- 2018**  Dottorato di Ricerca in "Biotecnologie Mediche e Chirurgiche" presso l'Università degli Studi di Messina, con tesi sperimentale dal titolo: "Myo-inositol supplementation to prevent gestational diabetes in overweight non-obese women: bioelectrical impedance analysis, metabolic aspects, obstetric and neonatal outcomes".
- 2015**  Specializzazione in Ginecologia e Ostetricia con il massimo dei voti e la lode presso l'Università degli Studi di Catania, con tesi sperimentale dal titolo: "Estrogenoterapia topica in pazienti sottoposte a chirurgia fasciale per prolasso genitale: qualità di vita e modificazioni citologiche".
- 2015**  Corso di Perfezionamento Universitario in Ecografia Ostetrica e Ginecologica presso l'Altamedica Fetal-Maternal Medical Centre, teaching center della UniCamillus International University of Health and Medical Sciences (Rome, Italy), con conseguimento delle seguenti qualifiche: 1) operatore abilitato nello screening delle aneuploidie fetali del I trimestre; 2) operatore autorizzato all'utilizzo del marchio PMF-Premorfologico fetale®; 3) operatore abilitato all'esecuzione delle procedure diagnostiche prenatali invasive (amniocentesi e villocentesi) secondo le linee guida della Società Italiana di Diagnosi Prenatale e Medicina Materno-Fetale (S.I.Di.P.).
- 2012 – 2014**  Fellowship presso l'U.O.C. di Ostetricia e Ginecologia dell'Azienda Ospedaliera "Papa Giovanni XXIII" (Bergamo, Italy).
- 2009**  Abilitazione all'esercizio della professione di medico-chirurgo.
- 2009**  Laurea Specialistica in Medicina e Chirurgia presso l'Università degli Studi di Catania, conseguita con il massimo dei voti e la lode, con tesi sperimentale dal titolo "Impatto sulla qualità di vita dell'approccio doppio transotturatorio nella correzione del prolasso della parete vaginale anteriore".

Attività didattica universitaria

Il Prof. Salvatore Giovanni Vitale è docente di Ginecologia e Ostetricia presso l'Università degli Studi di Catania ed è da anni impegnato nella promozione delle più innovative tecniche chirurgiche isteroscopiche in Italia e nel mondo.

Nel corso della sua carriera ha partecipato, in qualità di docente e tutor, a numerosi corsi e seminari di endoscopia ginecologica a livello nazionale e internazionale, collaborando inoltre all'ideazione e alla realizzazione di simposi e attività formative pratiche presso il proprio ateneo e presso qualificate istituzioni scientifiche italiane e straniere.

Ha iniziato l'attività di insegnamento universitario presso l'Università degli Studi di Catania, nell'ambito dei Corsi di Laurea in Ostetricia e Infermieristica.

Successivamente, dall'ottobre 2022 al settembre 2025, ha insegnato presso l'Università degli Studi di Cagliari nei Corsi di Laurea in Medicina e Chirurgia, Ostetricia e Infermieristica e nella Scuola di Specializzazione in Ginecologia e Ostetricia, in qualità di Ricercatore Universitario.

Dal 2024 è membro del Collegio dei Docenti del Dottorato di Ricerca in Scienze e Tecnologie per l'Innovazione dell'Università degli Studi di Cagliari, con contributi formativi dedicati ad aspetti clinici, chirurgici e di metodologia della ricerca.

A partire dall'Anno Accademico 2025-2026, ricopre il ruolo di Ricercatore Universitario in Ginecologia e Ostetricia presso l'Università degli Studi di Catania, con un impegno didattico rivolto all'insegnamento delle discipline ginecologiche e ostetriche e alla formazione teorico-pratica degli studenti e dei medici in formazione specialistica in Ginecologia e Ostetricia.

È stato ed è tutt'oggi docente in master universitari organizzati da prestigiose università italiane ed estere, tra cui l'Università degli Studi di Catania, l'Università degli Studi di Enna "Kore" e l'Università Aristotele di Salonicco.

Pubblicazioni scientifiche

320 articoli su riviste internazionali, 6 libri e 23 capitoli in trattati internazionali e nazionali, elencati dal più recente.

Articoli scientifici

2025

1. Saponara S, Scicchitano F, D'Alterio MN, Chilà C, Daniilidis A, **Vitale SG**, Angioni S. Could the estrobolome have a role in endometriosis pathogenesis and infertility? A systematic review. BMC Womens Health. 2025 Dec 18. doi: [10.1186/s12905-025-04195-z](https://doi.org/10.1186/s12905-025-04195-z). Epub ahead of print. PMID: 41413507.
2. **Vitale SG**, Saponara S, Chieppa P, Ramadan A, Al Banna F, Zgheib C, Chebat A, Karam J, Di Michele S, Angioni S, Sleiman Z. Second-look hysteroscopy after metroplasty for uterine septum: Shedding light on an overlooked step-A systematic review. Int J Gynaecol Obstet. 2025 Dec 15. doi: [10.1002/ijgo.70733](https://doi.org/10.1002/ijgo.70733). Epub ahead of print. PMID: 41392830.
3. Tarracchini C, Longhi G, Gennaioli E, Muscò A, Rizzo SM, Viappiani A, **Vitale SG**, Mancabelli L, Lugli GA, Angioni S, Turrone F, van Sinderen D, Milani C, Ventura M. Compiling an early life human gut microbiome atlas and identification of key microbial drivers. NPJ Biofilms Microbiomes. 2025 Dec 5;12(1):4. doi: [10.1038/s41522-025-00868-7](https://doi.org/10.1038/s41522-025-00868-7). PMID: 41350579; PMCID: PMC12769767.
4. Watrowski R, Kostov S, Palumbo M, Rosati A, Sparić R, Alkatout I, Juhasz-Böss I, **Vitale SG**, Mereu L. Non-Coding RNAs (microRNAs, lncRNAs, circRNAs) in Adenomyosis: A Systematic Review of Mechanistic and Translational Evidence. Int J Mol Sci. 2025 Nov 4;26(21):10713. doi: [10.3390/ijms262110713](https://doi.org/10.3390/ijms262110713). PMID: 41226749; PMCID: PMC12611009.
5. Riemma G, **Vitale SG**, De Francis P. See more, treat early, conceive sooner: Outpatient hysteroscopy in modern fertility care. J Int Med Res. 2025 Oct;53(10):3000605251384066. doi: [10.1177/03000605251384066](https://doi.org/10.1177/03000605251384066). Epub 2025 Oct 9. PMID: 41068556; PMCID: PMC12515301.
6. Stabile G, Mazzola BM, Cracco F, Carlucci S, Saponara S, Michele SD, **Vitale SG**, Angioni S, Nappi L. Evidence-based management of intramural pregnancy: A comprehensive systematic review. Eur J Obstet Gynecol Reprod Biol. 2025 Nov;314:114717. doi: [10.1016/j.ejogrb.2025.114717](https://doi.org/10.1016/j.ejogrb.2025.114717). Epub 2025 Sep 14. PMID: 40967075.
7. Sicilia G, **Vitale SG**, D'Alterio MN, Saponara S, Scicchitano F, Fulghesu AM, Nappi RE, Angioni S. The Role of Vaginal Oestrogen Therapy in Postmenopausal Women With Pelvic Organ Prolapse: Does It Have Any Impact on Perioperative Outcomes? A

- Systematic Review of Randomised Controlled Trials. BJOG. 2025 Jun 24. doi: [10.1111/1471-0528.18260](https://doi.org/10.1111/1471-0528.18260). Epub ahead of print. PMID: 40552437.
8. **Vitale SG**, Di Michele S, Tassi A, Succu C, Angioni S, Fulghesu AM. Sustained Metabolic Improvements with Low-Dose Metformin Combined with Oral Contraceptives in Female Adolescents with PCOS: A Single-Center Retrospective Cohort Study. *Adv Ther.* 2025 Aug;42(8):3762-3773. doi: [10.1007/s12325-025-03251-2](https://doi.org/10.1007/s12325-025-03251-2). Epub 2025 Jun 6. PMID: 40478377; PMCID: PMC12313771.
 9. Pacheco LA, Carugno J, Alcázar JL, Caballero M, Roig MC, Mereu L, Domínguez JA, Moratalla E, Saponara S, **Vitale SG**, Millán FP. Infantile uterus and uterine hypoplasia: a comprehensive overview to explore possible managements amidst limited scientific certainties. *Facts Views Vis Obgyn.* 2025 Mar 28;17(1):5-14. doi: [10.52054/FVVO.2024.13354](https://doi.org/10.52054/FVVO.2024.13354). PMID: 40297913; PMCID: PMC12042074.
 10. Riemma G, Parry JP, De Franciscis P, Carugno J, Lettieri D, Cobellis L, Vitagliano A, Etrusco A, Lin LT, Angioni S, **Vitale SG**. Hysteroscopic criteria for the diagnosis of chronic endometritis: a systematic review and diagnostic test accuracy meta-analysis. *Am J Obstet Gynecol.* 2025 Jul;233(1):12-24.e4. doi: [10.1016/j.ajog.2025.03.005](https://doi.org/10.1016/j.ajog.2025.03.005). Epub 2025 Mar 10. PMID: 40073921.
 11. Di Michele S, Fulghesu AM, Pittui E, Cordella M, Sicilia G, Mandurino G, D'Alterio MN, **Vitale SG**, Angioni S. Ultrasound Assessment in Polycystic Ovary Syndrome Diagnosis: From Origins to Future Perspectives-A Comprehensive Review. *Biomedicines.* 2025 Feb 12;13(2):453. doi: [10.3390/biomedicines13020453](https://doi.org/10.3390/biomedicines13020453). PMID: 40002866; PMCID: PMC11853298.
 12. Saponara S, Ciebiera M, **Vitale SG**, et al. Impact of the COVID-19 pandemic on patients affected by endometriosis: A questionnaire-based cross-sectional online survey. *Journal of Endometriosis and Pelvic Pain Disorders.* 2025;17(2):80-92. doi:[10.1177/22840265251314992](https://doi.org/10.1177/22840265251314992).
 13. **Vitale SG**, Angioni S, Saponara S, Sicilia G, Mignacca A, Caiazzo A, De Franciscis P, Riemma G. Hysteroscopic metroplasty and its reproductive impact among the social networks: A cross-sectional analysis on video quality, reliability and creators' opinions on YouTube, TikTok and Instagram. *Int J Med Inform.* 2025 Mar;195:105776. doi: [10.1016/j.ijmedinf.2024.105776](https://doi.org/10.1016/j.ijmedinf.2024.105776). Epub 2024 Dec 22. PMID: 39729920.
 14. Riemma G, **Vitale SG**, Lipták MG, Ciebiera M, Boldogh BZ, Mereu L, Kovács KS, Török P. Surgical parameters affecting procedure duration of hysteroscopic fibroid resection: results of a retrospective longitudinal study. *Arch Gynecol Obstet.* 2025 Jan;311(1):91-98. doi: [10.1007/s00404-024-07877-5](https://doi.org/10.1007/s00404-024-07877-5). Epub 2024 Dec 23. PMID: 39715840.
 15. Saponara S, Angioni S, Parry JP, Pacheco LA, Carugno J, Moawad N, Haimovich S, Lasmar RB, Dealberti D, Aksakal E, Urman B, Nappi L, **Vitale SG**. The Pivotal role of hysteroscopy in diagnosing subtle uterine lesions in infertile patients: Seeing the unseen can make the difference. *Eur J Obstet Gynecol Reprod Biol.* 2025 Feb;305:132-141. doi: [10.1016/j.ejogrb.2024.12.013](https://doi.org/10.1016/j.ejogrb.2024.12.013). Epub 2024 Dec 9. PMID: 39701007.
 16. Fulghesu AM, Di Michele S, Zangaris I, Cordella M, Pittui E, Scalise G, **Vitale SG**, Angioni S. Clinical and Ultrasound Features of Normocyclic Non-Hyperandrogenic Adolescents in Early Gynecological Life. *Gynecol Obstet Invest.* 2025;90(4):296-304. doi: [10.1159/000542393](https://doi.org/10.1159/000542393). Epub 2024 Dec 6. PMID: 39647477.
 17. D'Alterio MN, Nappi L, **Vitale SG**, Agus M, Fanni D, Malzoni M, Falcone F, Sorrentino F, D'Agate MG, Scibilia G, Mereu L, Scollo P, Angioni S. Evaluation of Ovarian Reserve and Recurrence Rate After DWLS Diode Laser Ovarian Endometrioma Vaporization (OMAlaser): A Prospective, Single-Arm, Multicenter, Clinical Trial. *J Minim Invasive Gynecol.* 2025 Mar;32(3):279-287. doi: [10.1016/j.jmig.2024.10.021](https://doi.org/10.1016/j.jmig.2024.10.021). Epub 2024 Oct 28. PMID: 39477011.
 18. **Vitale SG**, Parry JP, Sicilia G, Pacheco LA, De Angelis MC, Urman B, Riemma G, Török P, Carugno J, Perez-Medina T, Angioni S, Haimovich S. Unus Pro omnibus, omnes Pro uno: a commentary on the eternal dilemma of endometrial cancer screening in postmenopausal asymptomatic women. Is it time to team up? *Minim Invasive Ther Allied Technol.* 2025 Apr;34(2):114-118. doi: [10.1080/13645706.2024.2418380](https://doi.org/10.1080/13645706.2024.2418380). Epub 2024 Oct 23. PMID: 39441064.

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19. Adrien-Lara M, Pereira A, **Vitale SG**, Ríos M, Pérez-Medina T, Calles-Sastre L. HYPAIN CLINICAL TRIAL Testing the Efficacy of Paracervical Anesthesia for Pain Control During Office Hysteroscopy: A Randomized, Single-Center, Double-Blind, Placebo-Controlled Clinical Trial. *J Clin Med.* 2024 Dec 23;13(24):7856. doi: [10.3390/jcm13247856](https://doi.org/10.3390/jcm13247856). PMID: 39768779.
20. **Vitale SG**, Saponara S, Succu AG, Sicilia G, Martsidis K, D'Alterio MN, Angioni S. Efficacy and Safety of Non-Ablative Dual Wavelength Diode Laser Therapy for Genitourinary Syndrome of Menopause: A Single-Center Prospective Study. *Adv Ther.* 2024 Dec;41(12):4617-4627. doi: [10.1007/s12325-024-03004-7](https://doi.org/10.1007/s12325-024-03004-7). Epub 2024 Oct 29. PMID: 39470875.
21. **Vitale SG**, Carugno J, Saponara S, Mereu L, Haimovich S, Alonso Pacheco L, Giannini A, Chellani M, Urman B, De Angelis MC, Angioni S. What is the impact of simulation on the learning of hysteroscopic skills by residents and medical students? A systematic review. *Minim Invasive Ther Allied Technol.* 2024 Dec;33(6):373-386. doi: [10.1080/13645706.2024.2409269](https://doi.org/10.1080/13645706.2024.2409269). Epub 2024 Oct 3. PMID: 39360756.
22. **Vitale SG**, Giannini A, Carugno J, van Herendaal B, Riemma G, Pacheco LA, Drizi A, Mereu L, Bettocchi S, Angioni S, Haimovich S. Hysteroscopy: where did we start, and where are we now? The compelling story of what many considered the "Cinderella" of gynecological endoscopy. *Arch Gynecol Obstet.* 2024 Oct;310(4):1877-1888. doi: [10.1007/s00404-024-07677-x](https://doi.org/10.1007/s00404-024-07677-x). Epub 2024 Aug 16. PMID: 39150502; PMCID: PMC11393125.

23. **Vitale SG**, Angioni S, Saponara S, Sicilia G, Etrusco A, D'Alterio MN, Cobellis L, De Franciscis P, Riemma G. TikTok as a platform for hysteroscopy information: An analytical video-based cross-sectional study to assess quality, reliability, and accuracy. *Int J Gynaecol Obstet.* 2025 Jan;168(1):353-361. doi: [10.1002/ijgo.15846](https://doi.org/10.1002/ijgo.15846). Epub 2024 Aug 9. PMID: 39118465; PMCID: PMC11649867.
24. **Vitale SG**, Angioni S, D'Alterio MN, Ronsini C, Saponara S, De Franciscis P, Riemma G. Risk of endometrial malignancy in women treated for breast cancer: the BLUSH prediction model - evidence from a comprehensive multicentric retrospective cohort study. *Climacteric.* 2024 Oct;27(5):482-488. doi: [10.1080/13697137.2024.2376189](https://doi.org/10.1080/13697137.2024.2376189). Epub 2024 Jul 18. PMID: 39023103.
25. Arena A, Palermo R, Benedetti P, Caprara G, **Vitale SG**, Sardo ADS, Seracchioli R, Casadio P. "RAIL BIOPSY" A Novel and Useful Technique for Hysteroscopic Endometrial Target Biopsy. *J Minim Invasive Gynecol.* 2024 Nov;31(11):909-910. doi: [10.1016/j.jmig.2024.06.013](https://doi.org/10.1016/j.jmig.2024.06.013). Epub 2024 Jun 28. PMID: 38944338.
26. Angioni S, Saponara S, D'Ancona G, Sicilia G, D'Alterio MN, **Vitale SG**. Safety, Efficacy, and Cost-effectiveness of Organ Suspension in Laparoscopic Gynecologic Surgery: A Retrospective Cohort Study to Validate an Innovative Technique: Laparoscopic Organ Suspension sec. Angioni. *Gynecol Obstet Invest.* 2024;89(6):445-452. doi: [10.1159/000538787](https://doi.org/10.1159/000538787). Epub 2024 May 2. PMID: 38697034.
27. Giannini A, Cuccu I, D'Auge TG, De Angelis E, Laganà AS, Chiantera V, Caserta D, **Vitale SG**, Muzii L, D'Oria O, Perniola G, Bogani G, Di Donato V. The great debate: Surgical outcomes of laparoscopic versus laparotomic myomectomy. A meta-analysis to critically evaluate current evidence and look over the horizon. *Eur J Obstet Gynecol Reprod Biol.* 2024 Jun;297:50-58. doi: [10.1016/j.ejogrb.2024.03.045](https://doi.org/10.1016/j.ejogrb.2024.03.045). Epub 2024 Apr 1. PMID: 38581885.
28. Etrusco A, Buzzaccarini G, Laganà AS, Chiantera V, **Vitale SG**, Angioni S, D'Alterio MN, Nappi L, Sorrentino F, Vitagliano A, Difonzo T, Riemma G, Mereu L, Favilli A, Peitsidis P, D'Amato A. Use of Diode Laser in Hysteroscopy for the Management of Intrauterine Pathology: A Systematic Review. *Diagnostics (Basel).* 2024 Feb 2;14(3):327. doi: [10.3390/diagnostics14030327](https://doi.org/10.3390/diagnostics14030327). PMID: 38337843; PMCID: PMC10855490.
29. Vitagliano A, Cicinelli E; Members of Italian Working Group on Endometrial Receptivity. Endometrial scratching: the light at the end of the tunnel. *Hum Reprod Update.* 2024 Mar 1;30(2):238-239. doi: [10.1093/humupd/dmado37](https://doi.org/10.1093/humupd/dmado37). PMID: 38281106.
30. Gallo A, D'alisa R, Di Spiezio Sardo A, Guerra S, Berardi G, **Vitale SG**, Palumbo M, Cretella P, Angioni S, Bifulco G, Musella M. Hysteroscopy and weight loss in treatment of endometrial cancer: case report and literature review. *Minim Invasive Ther Allied Technol.* 2024 Apr;33(2):109-119. doi: [10.1080/13645706.2023.2294993](https://doi.org/10.1080/13645706.2023.2294993). Epub 2023 Dec 18. PMID: 38108527.
31. Urman B, Yakin K, Ertas S, Alper E, Aksakal E, Riemma G, Angioni S, **Vitale SG**. Fertility and anatomical outcomes following hysteroscopic adhesiolysis: An 11-year retrospective cohort study to validate a new classification system for intrauterine adhesions (Urman-Vitale Classification System). *Int J Gynaecol Obstet.* 2024 May;165(2):644-654. doi: [10.1002/ijgo.15262](https://doi.org/10.1002/ijgo.15262). Epub 2023 Nov 27. PMID: 38013507.
32. Della Corte L, Guarino MC, **Vitale SG**, Angioni S, Mercorio A, Bifulco G, Giampaolino P. C-section technique vs minilaparotomy after minimally invasive uterine surgery: a retrospective cohort study. *Arch Gynecol Obstet.* 2024 Jan;309(1):219-226. doi: [10.1007/s00404-023-07239-7](https://doi.org/10.1007/s00404-023-07239-7). Epub 2023 Oct 5. PMID: 37796281; PMCID: PMC10769909.
33. **Vitale SG**, De Angelis MC, Della Corte L, Saponara S, Carugno J, Laganà AS, Török P, Tinelli R, Pérez-Medina T, Ertas S, Urman B, Angioni S. Uterine cervical stenosis: from classification to advances in management. Overcoming the obstacles to access the uterine cavity. *Arch Gynecol Obstet.* 2024 Mar;309(3):755-764. doi: [10.1007/s00404-023-07126-1](https://doi.org/10.1007/s00404-023-07126-1). Epub 2023 Jul 10. PMID: 37428263; PMCID: PMC10866788.
34. Kalaitzopoulos DR, Themeli MZ, Grigoriadis G, Alterio MD, **Vitale SG**, Angioni S, Daniilidis A. Fertility, pregnancy and perioperative outcomes after operative hysteroscopy for uterine septum: a network meta-analysis. *Arch Gynecol Obstet.* 2024 Mar;309(3):731-744. doi: [10.1007/s00404-023-07109-2](https://doi.org/10.1007/s00404-023-07109-2). Epub 2023 Jun 24. PMID: 37354236.

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Brevetti

All'attività clinica e scientifica si affianca un impegno continuo nello sviluppo di soluzioni tecnologiche innovative in ambito isteroscopico, volte a migliorare l'accuratezza diagnostica, la qualità del campionamento istologico e la tollerabilità delle procedure.

In questo ambito si inserisce l'attività di progettazione e brevettazione di nuovi strumenti, tra cui la biopsy snake grasper sec. VITALE, un dispositivo innovativo progettato specificamente per l'isteroscopia in office e attualmente commercializzato e distribuito a livello globale. Per lo sviluppo di tale strumento, la European Society of Gynecology (ESG) gli ha conferito il prestigioso "Alice and Albert Netter Prize", riconoscimento personale al miglior giovane ricercatore europeo, in occasione del 15° Congresso della Società (Amsterdam, novembre 2023).

Biopsy Snake Grasper sec. VITALE

La biopsy snake grasper sec. VITALE (pinza a serpente sec. VITALE) è progettata per consentire prelievi endometriali mirati sotto visione diretta, permettendo di combinare in un unico gesto la presa, la trazione e la resezione del tessuto.

Dal punto di vista tecnico, lo strumento è caratterizzato da:

- un puntale piatto acuminato con bordi seghettati, in grado di ancorarsi selettivamente al tessuto da sottoporre a biopsia;
- due ganasce taglienti, che racchiudono completamente il puntale durante la chiusura del morso della pinza, e consentono un campionamento netto e controllato dell'endometrio.

Grazie a queste caratteristiche è possibile ottenere campioni biotipici più ampi e di migliore qualità, adeguati all'analisi istologica anche in presenza di endometri ipotrofici o atrofici, con minore discomfort per la paziente e superando i limiti delle tecniche biotipiche "blind".

L'introduzione della biopsy snake grasper sec. VITALE ha anche consentito lo sviluppo di una nuova tecnica di biopsia isteroscopica, la "pick-up biopsy", che permette un campionamento mirato dell'endometrio mediante un aggancio selettivo e una trazione controllata del tessuto.

La pick-up biopsy si è dimostrata particolarmente efficace:

- in presenza di endometrio ipotrofico o atrofico, tipico della post-menopausa;
- nei casi di patologia endometriale focale, in cui è fondamentale un campionamento mirato e quantitativamente adeguato;
- nei percorsi di infertilità, fallimenti ripetuti dell'impianto e abortività ricorrente, nei quali la qualità del campionamento endometriale è cruciale.

Premi e Riconoscimenti

**2019 –
2026**

World's Top 2% Scientists

Dal 2019 a tutt'oggi fa parte dei "World's Top 2% Scientists" della Stanford University (USA), che identifica i ricercatori più influenti a livello mondiale sulla base di indicatori di qualità e impatto scientifico.

2025

1° posizione mondiale su Scopus Researcher Discovery nel topic Hysteroscopy

Collocazione al primo posto a livello mondiale per il topic Hysteroscopy nel ranking Researcher Discovery di Scopus (Elsevier), che identifica i ricercatori più influenti a livello globale su specifici ambiti disciplinari.

2025**1° posizione mondiale su Expertscape nel topic Hysteroscopy**

Collocazione al primo posto a livello mondiale per la disciplina Hysteroscopy nel ranking Expertscape, riconoscimento che riflette un'eccellenza scientifica consolidata e un impatto rilevante sulla pratica clinica internazionale.

2025**Top Cited Article 2023-2024**

Riconoscimento internazionale conferito dalla rivista *Archives of Gynecology and Obstetrics* (Impact Factor: 2.1) per l'articolo più letto e citato nel biennio 2023–2024: Uterine cervical stenosis: from classification to advances in management. Overcoming the obstacles to access the uterine cavity (DOI: 10.1007/s00404-023-07126-1).

2025**“Top Italian Scientists” (TIS) nell’area Obstetrics and Gynecology – Medicine**

3° posizione nel ranking di *Top Italian Scientists*, che censisce i ricercatori italiani con il maggiore impatto sulla comunità scientifica internazionale, sulla base della qualità e della produttività della loro attività di ricerca.

2024**Best video of new technologies**

Premio attribuito per il miglior contributo scientifico video in occasione dell'11° Corso teorico-pratico di chirurgia isteroscopica, organizzato dalla Scuola Italiana di Chirurgia Mini-Invasiva Ginecologica (SICMIG) e dall'Associazione Ostetrici Ginecologi Ospedalieri Italiani (AOGOI).

2024**Best Video Presentation**

Premio internazionale conferito dalla Indian Association of Gynaecological Endoscopists (IAGE) per la migliore video lecture, in occasione dell'Annual State Conference of the Chhattisgarh Chapter, tenutasi a Raipur (India) il 27–28 gennaio 2024.

2023**Young Investigator Award 2023**

Premio internazionale conferito dalla rivista *Journal of Personalized Medicine* (Impact Factor: 3.0) per l'eccellenza dell'attività di ricerca scientifica ed il significativo impatto nella comunità scientifica internazionale.

2023**Alice and Albert Netter Prize**

Prestigioso premio internazionale conferito dalla European Society of Gynecology (ESG) come miglior giovane ricercatore europeo, in occasione del 15° Congresso della Società (Amsterdam, 29 novembre–2 dicembre 2023), per l'eccellenza nell'attività di ricerca, nella clinica e nell'innovazione tecnologica in isteroscopia.

2023**Pro Hysteroscopia Debreceniensi Award**

Premio internazionale conferito dall'Università di Debrecen (Ungheria) per l'eccellenza nella ricerca scientifica in isteroscopia, in occasione del 2° Hungarian Congress on Hysteroscopy.

2023**Best Video Award**

Premio attribuito dall'Università di Debrecen per il miglior contributo scientifico video presentato al 2° Hungarian Congress on Hysteroscopy.

2023**Honorary Member of the Scientific Committee**

Nomina a membro onorario del Comitato Scientifico organizzatore dell'Hungarian Congress on Hysteroscopy, da parte dell'Università di Debrecen, per l'eccellenza nell'attività clinica, scientifica e nell'innovazione tecnologica in isteroscopia.