

## CORSO PRATICO DI NEUROSONOGRAFIA FETALE PER MEDICI NEO-SPECIALISTI IN GINECOLOGIA E OSTETRICIA

|                                                                                                                   |                                                                                                               |                                                           |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| <b>Responsabile Scientifico:</b><br>Prof. Giuseppe Rizzo<br>Direttore U.O.C Ginecologia<br>Dipartimento Chirurgia | <b>Segreteria Organizzativa:</b><br>Loredana Fabbri<br>Tel. 06.20903289<br>mail: loredana.fabbri@ptvonline.it | <b>EDIZIONI</b><br>03/02/2023 - Ed.1<br>10/03/2023 - Ed.2 |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|

**Sede:** PTV- Aula ECM

| Orario                     | Programma                                                                                                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8.00                       | Registrazione Partecipanti - Modulo d'iscrizione e firma registri presenza                                                                                                                       |
| 8.30                       | Introduzione alle patologie del sistema nervoso centrale<br><i>Prof. Giuseppe Rizzo</i>                                                                                                          |
| <b>LA TECNICA DI ESAME</b> |                                                                                                                                                                                                  |
| 9.00                       | L'esame di screening tips and tricks: Come ottenere e cosa misurare<br>Scansione trans-talamica - Scansione trans-ventricolare - Scansione trans-cerebellare<br><i>Dott. Francesco D'Antonio</i> |
| 9.30                       | L'esame avanzato tips and tricks. Come ottenere e misurare<br>Scansioni sagittali - Scansioni coronali<br><i>Dott. Daniele Di Mascio</i>                                                         |
| 10.00                      | La valutazione della maturazione corticale: significato, tecnica di visualizzazione e misurazione delle scissure cerebrali<br><i>Prof. Giuseppe Rizzo</i>                                        |
| 10.30                      | <b>Coffe-Break</b>                                                                                                                                                                               |
| <b>LA PATOLOGIA</b>        |                                                                                                                                                                                                  |
| 11.00                      | La ventricolomegalia<br><i>Dott. Francesco D'Antonio</i>                                                                                                                                         |
| 11.30                      | Le patologie della linea mediana<br><i>Prof. Giuseppe Rizzo</i>                                                                                                                                  |
| 12.00                      | Patologia della fossa cranica posteriore e del cervelletto<br><i>Prof. Giuseppe Rizzo</i>                                                                                                        |
| 12.30                      | Difetti di migrazione<br><i>Dott. Daniele Di Mascio</i>                                                                                                                                          |
| 13.00                      | Discussione: confronto sui temi trattati<br><i>Prof. Giuseppe Rizzo, dott. Francesco D'Antonio, dott. Daniele Di Mascio</i>                                                                      |
| 13.30                      | <b>Pausa Pranzo</b>                                                                                                                                                                              |

| LEARNING BY DOING |                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 14.30             | Prove pratiche in ambulatorio - U.O.C Ginecologia<br><i>Prof. Giuseppe Rizzo, dott. Francesco D'Antonio, dott. Daniele Di Mascio</i> |
| 18.00             | Conclusioni<br><i>Prof. Giuseppe Rizzo, dott. Francesco D'Antonio, dott. Daniele Di Mascio</i>                                       |

**Destinatari:** Medici in formazione specialistica e neo-specialisti in ostetricia e ginecologia

**CREDITI E.C.M.:** 15 Crediti E.C.M.

**Modalità di Partecipazione:** In presenza (aula e ambulatorio)

**Obiettivo formativo:**

Apprendere l'anatomia ecografica del sistema nervoso centrale fetale

Conoscere le scansioni ecografiche necessarie per il suo studio e apprendere le modalità di esecuzione mediante le prove pratiche

**Area formativa:** (barrare una sola voce)

- Obiettivo tecnico – professionale ☒
- Obiettivo di processo ☐
- Obiettivo di sistema ☐



## INFORMAZIONI PERSONALI

Giuseppe Rizzo

[giuseppe.rizzo@ptvonline.it](mailto:giuseppe.rizzo@ptvonline.it)

Sesso M | Data di nascita 01/06/1958 | Nazionalità Italiana

ESPERIENZA  
PROFESSIONALE

## Esperienza Lavorativa

- |           |                                                                                                                                                                             |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2022-     | <b>Fondazione Policlinico Tor Vergata Roma</b><br>Direttore UOC Ginecologia                                                                                                 |
| 2017-2021 | <b>Ospedale Cristo Re Roma</b><br>Direttore Unità Operativa di Medicina Materno Fetale                                                                                      |
| 1999-2017 | <b>Ospedale Fatebenefratelli Isola Tiberina Roma</b><br>Dipartimento di Ginecologia ed Ostetricia<br>Università di Roma Tor Vergata<br>Dirigente medico aiuto 1° di guardia |
| 1993-1999 | <b>Ospedale S Eugenio Roma</b><br>Dipartimento di Ginecologia ed Ostetricia<br>Università di Roma Tor Vergata<br>Dirigente medico aiuto 1° di guardia                       |
| 1986-1992 | <b>Policlinico A Gemelli Roma</b><br>Clinica Ostetrica e Ginecologica Università Cattolica S Cuore Roma<br>Ricercatore Dirigente Medico                                     |

## Attività Accademica

- |      |                                                                                                               |
|------|---------------------------------------------------------------------------------------------------------------|
| 2021 | <b>Università di Roma Tor Vergata</b><br>Professore Ordinario Ostetricia e Ginecologia                        |
| 2017 | <b>Università di Roma Tor Vergata</b><br>Professore Associato                                                 |
| 1992 | <b>Università Cattolica S Cuore Roma</b><br>Ricercatore                                                       |
| 1986 | <b>Università Cattolica S Cuore Roma</b><br>Medico incaricato universitario con compiti assistenziali (MIUCA) |

## ISTRUZIONE E FORMAZIONE

- 1985-1986 Soggiorno di Studio **Kings College Hospital London UK**
- 1983-1987 Specialista in Ginecologia ed Ostetricia  
**Università Cattolica S Cuore Roma**
- 1977-1983 Laurea in Medicina e Chirurgia  
**Università Cattolica S Cuore Roma**

ATTIVITA' DIDATTICA  
(attualmente svolta)**Università di Roma Tor Vergata**

Corso di Laurea in Medicina e Chirurgia:  
Coordinatore del Corso Integrato di Ginecologia e Ostetricia

Dottorato di Ricerca in Biotecnologie medico. chirurgiche e medicina transazionale  
Docente

Scuola di Specializzazione in Ostetricia e Ginecologia  
Docente

Scuola di Specializzazione in Genetica Medica  
Docente

Scuola di Specializzazione in Scienza della alimentazione  
Docente

Corso di Laurea in Infermieristica  
Docente

Corso di Laurea in Infermieristica Pediatrica  
Docente

Master universitario di II livello in Citogenetica e Citogenomica  
Coordinatore

Master Master Internazionale di II Livello ISSMM (International Safety/Security –Global Strategies and Medical-Maxi-Emergency in Un Conventional Events: Analises and Management)  
Docente

**Università degli Studi "G. d'Annunzio" Chieti – Pescara**

Scuola di Specializzazione in Ostetricia e Ginecologia  
Docente

**Università di Modena Reggio Emilia**

Master in Tecniche Ecografiche e Cardiotocografiche per Ostetriche  
Docente

**Università di Padova**

Master in Tecniche Ecografiche e Cardiotocografiche per Ostetriche  
Docente

**Università di Torino**

Master II livello in medicina materno fetale  
Docente

**European E-Learnig School of Obstetrics Anesthesia**

Master di II Livello di Alto Perfezionamento in Analgesia Anestesia e Terapia Intensiva in Ostetricia  
Docente

**Università di Napoli Federico II**

Corso di Perfezionamento Universitario in Medicina Materno-Fetale  
Docente

**ATTIVITÀ DI RICERCA****Linee di ricerca**

Medicina materno fetale, emodinamica feto placentare, diagnosi prenatale invasiva e non invasiva ,  
terapia fetale, urgenze in sala parto

**Pubblicazioni**

325 lavori su riviste internazionali, h Index 48 7375 citazioni secondo Scopus al 8/5/22  
(<https://www.scopus.com/authid/detail.uri?authorId=7102724281>)

16 monografie

75 capitoli di libri

**Attività Congressuale**

435 relazione su invito a Congressi Nazionale

210 relazioni su invito a congressi Internazionali

**Operosità Scientifica**

Membro Editorial Board di 18 riviste scientifiche

Deputy Editor Prenatal Cardiology

Associate Editor Journal of Clinical Ultrasound, Journal Maternal Fetal Neonatal Medicine

Fondatore dell' International Society of Ultrasound in Obstetrics and Gynecology

Fondatore della Mediterranean Society of Ultrasound in Obstetrics and Gynecology (MEDUOG)

Fondatore Gruppo Egeo (Ecografia nella gestione delle emergenze ostetriche)

**Honors**

Premi per ricerca scientifica conferiti della Society Perinatal Medicine, International Society of  
Ultrasound in Obstetrics and Gynecology Società Italiana di Ecografia Ostetrica e Ginecologica

Vice Presidente della Società Italiana di Ecografia in Ostetricia e Ginecologia (2000-2002; 2013-2015)

Presidente della Società Italiana di Ecografia in Ostetricia e Ginecologia (2015-2017)

Fellow International Academy of Perinatal Medicine

Honorary Member of Sociedad Chilena de Ultrasonografia en Medicina e Biología

Honary Memeber Sociedad espanola de Gynecologia Y Ostetricia

**Finanziamenti**

Vincitore di 18 grant di ricerca internazionali, nazionali e di ateneo

PI di progetti di ricerca Europei e Nazionali

**COMPETENZE PERSONALI**

Lingua madre Italiano

Altre lingue

Inglese

| COMPRESIONE |            | PARLATO     |                  | PRODUZIONE SCRITTA |
|-------------|------------|-------------|------------------|--------------------|
| Ascolto     | Lettura    | Interazione | Produzione orale |                    |
| Eccellente  | Eccellente | Eccellente  | Eccellente       | Eccellente         |

Competenze organizzative e  
gestionali

Esperienza di direzione di equipe complesse, maturate sia in ambito clinico, gestionale che in  
ambito scientifico. Responsabile di Progetti di Ricerca

**Competenze professionali** Ostetricia e ginecologia, diagnosi prenatale invasiva, terapia fetale, medicina materno fetale, gestione sala parto

**Competenze informatiche** Padronanza degli strumenti Microsoft Office, SPSS, R

Dichiarazione sostitutiva di  
certificazione ex art. 46 DPR  
445/2000

Il sottoscritto è consapevole che in caso di dichiarazione mendaci, sarà punito, ai sensi del Codice Penale, secondo quanto previsto dall'art. 76 del D.P.R. 445/2000 e che, qualora dal controllo effettuato emerga la non veridicità del contenuto di talune delle dichiarazioni rese, decadrà dai benefici conseguenti al provvedimento eventualmente emanato sulla base della dichiarazione non veritiera

**Trattamento dei dati personali**

Autorizzo il trattamento dei miei dati personali, ai sensi del Regolamento Europeo 2016/679 del D.lgs. 101/2018 "Codice in materia di protezione dei dati personali"

Roma 08/05/2022



Firma

RZZGPP58H01B354K

## ACADEMICAL CURRICULUM VITAE

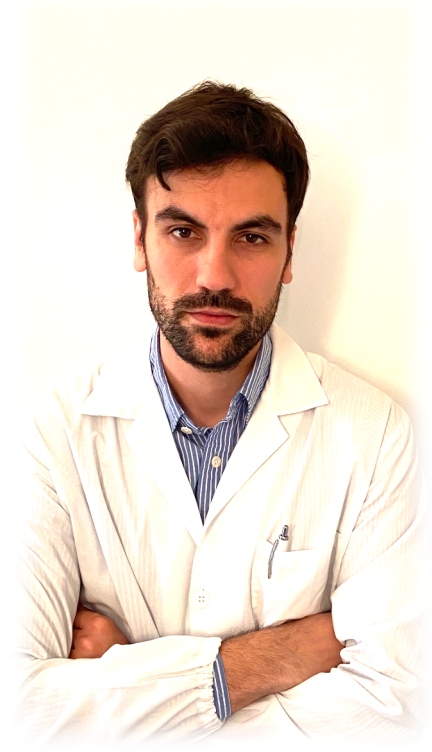
### Personal information

**Born on:**

18.01.1990

**Affiliation:**

Dept. Maternal and Child Health and Urological Sciences  
Sapienza University of Rome



**ORCID ID:**

0000-0002-6560-3393

### Educational Experiences

*Jul 2012:* Research exchange student @ Coimbra University, **Coimbra, Portugal**

*Apr-May 2014:* Internship @ Royal Melbourne Hospital, **Melbourne, Australia**

*Oct-Nov 2014:* Internship @ Ob&Gyn Dept. – Royal London Hospital/St Bartholomew's Hospital, **London, UK**

*Oct 2015:* Medical Degree, “G. D’Annunzio” University of **Chieti, Italy**

*Feb 2016:* Medical License, “G. D’Annunzio” University of **Chieti, Italy**

*Feb-Mar 2016:* Internship @ Maternal Fetal Medicine Dept. - Jefferson University Hospital, **Philadelphia, USA**

*Nov 2016-Nov 2021:* Ob&Gyn Residency, Sapienza University of **Rome, Italy**

*Jul 2019-Jan 2020:* Research Fellowship @ Maternal Fetal Medicine Dept. - Jefferson University Hospital, **Philadelphia, USA**

### Awards:

*Best Young Investigator – Obstetrics @ ISUOG World Congress, Berlin 2019*

*Best Resident Abstract @ SIEOG National Congress, Parma 2019*

## Publications

1. 1. Di Mascio D, Magro-Malosso ER, Saccone G et al. Exercise during pregnancy in normal-weight women and risk of preterm birth: a systematic review and meta-analysis of randomized controlled trials. *Am J Obstet Gynecol*. 2016 Nov;215(5):561-571
2. Magro-Malosso ER, Saccone G, Di Mascio D et al. Exercise during pregnancy and risk of preterm birth in overweight and obese women: a systematic review and meta-analysis of randomized controlled trials. *Acta Obstet Gynecol Scand*. 2017 Mar;96(3):263-273
3. Ciardulli A, Saccone G, Di Mascio D et al. Chewing gum improves postoperative recovery of gastrointestinal function after cesarean delivery: a systematic review and meta-analysis of randomized trials. *J Matern Fet Neonatal Med* 2017 Jun 6:1-9
4. Muzii L, Di Tucci C, Di Mascio D et al. Current management of ovarian endometriomas. *Minerva Ginecol*. 2017
5. Schiavi MC [...] Di Mascio D [...] Benedetti Panici P. Overactive bladder syndrome treatment with Ospemifene in menopausal patients with vulvovaginal atrophy: improvement of sexuality? *Gynecol Endocrinol* 2018
6. The MONOMONO Working Group. Prenatal management and timing of delivery of uncomplicated monochorionic monoamniotic twin pregnancy. The MONOMONO study. *Ultrasound Obstet Gynecol* 2018
7. Schiavi MC, Savone D, Di Mascio D et al. Long-term experience of vaginal vault prolapse prevention at hysterectomy time by Modified McCall culdoplasty or Shull suspension: clinical, sexual and quality of life assessment after surgical intervention. *Eur J Obstet Gynecol Reprod Biol* 2018
8. Di Tucci C, Di Mascio D, Schiavi MC et al. Pelvic Inflammatory Disease: possible catches and correct management in young women. *Case Rep in Ob Gyn* 2018
9. D'Ambrosio V, Vena F, Marchetti C et al. Mid-trimester isolated short femur and perinatal outcomes: a systematic review and meta-analysis. *Acta Obstet Gynecol Scand* 2018
10. D'Ambrosio V, Squarcella A, Vena F et al. Update in non invasive prenatal testing. *Minerva Ginecol* 2018
11. Di Mascio D, Calì G, D'Antonio F. Updates on the management of PAS. *Minerva Ginecol* 2018



12. Di Mascio D, Sileo FG, Khalil A et al. Role of prenatal magnetic resonance imaging in fetuses with mild and moderate ventriculomegaly in the era of fetal neurosonography: systematic review and meta-analysis. UOG 2019
13. Berghella V, Saccone G, Ciardulli A et al. Reply to letter to the editor regarding the article: chewing gum improves postoperative recovery of gastrointestinal function after cesarean delivery: a systematic review and meta-analysis of randomized trials. J Matern Fet Neonatal Med 2019
14. Magro Malosso E, Saccone G, Di Mascio D, Berghella V. Reply letter: Maternal education predicts compliance to exercise during pregnancy. Acta Obstet Gynecol Scand 2019
15. Di Mascio D [...] Brunelli R, Benedetti Panici P, D'Antonio F. Birthweight discordance and neonatal morbidity in twin pregnancies: a systematic review and meta-analysis. Acta Obstet Gynecol Scand 2019
16. D'Ambrosio V, Brunelli R, Vena F et al. Metformin reduces maternal weight gain in pregnant obese women: a systematic review and meta-analysis of two randomized controlled trials. Diab Met Res Rev 2019
17. Di Mascio D, Buca D, Khalil A et al. Outcome of isolated fetal talipes: a systematic review and meta-analysis. Acta Obstet Gynecol Scand 2019
18. Di Mascio D, Benedetti Panici P, Nappi C, D'Antonio F. The role of interventional radiology in the management of PAS. Cur Ob Gyn Rep 2019
19. Brunelli R, [...] Di Mascio D [...] Lamberti L. The biomechanics of the umbilical cord Wharton Jelly: Roles in hemodynamic proficiency and resistance to compression. J Mech Behav Biomed Mater 2019
20. D'Ambrosio V, Vena F, Di Mascio D [...] Giancotti A. Obstetrical outcomes in women with history of breast cancer: a systematic review and metanalysis. Breast Cancer Res Treat 2019
21. Saccone G, Khalil A, Thilaganathan B, Glinianaia SV, Berghella V, D'Antonio F; MONOMONO; NorSTAMP; STORK research collaboratives. Weight discordance and perinatal mortality in monoamniotic twin pregnancies: analysis of the MONOMONO, NorSTAMP and STORK multiple pregnancy cohorts. UOG 2019
22. Di Mascio D, [...] Berghella V. Perinatal death by bile acid levels in intrahepatic cholestasis of pregnancy: a systematic review. J Matern Fet Neonatal Med 2019
23. Berghella V, Di Mascio D. Evidence based L&D management. Pre-labor (Part 1). AJOG-MFM 2019
24. Di Mascio D on the behalf of the ENSO working group. Role of prenatal magnetic resonance imaging in fetuses with isolated mild or moderate ventriculomegaly in the era of neurosonography: a multicenter study. UOG 2020

25. Di Mascio D, D'Antonio F. The role of magnetic resonance imaging in mild and moderate ventriculomegaly (letter to the editor). *Eur J Obstet Gynecol Reprod Biol* 2020
26. Di Mascio D, Saccone G, Bellussi F et al. Delayed versus immediate pushing in the second stage of labor in women with neuraxial analgesia: a systematic review and meta-analysis of randomized controlled trials. *AJOG* 2020
27. Giangiordano I, Sahani H, Di Mascio D et al. Optimism during pregnancy and obstetrical outcomes: a systematic review. *Eur J Obstet Gynecol Reprod Biol* 2020
28. Di Mascio D, Khalil A, Saccone G et al. Outcomes of Coronavirus spectrum infections (SARS, MERS, COVID-19) during pregnancy: a systematic review and meta-analysis. *AJOG MFM* 2020
29. Boelig RC, Manuck T, Oliver EA et al. Labor and Delivery Guidance for COVID-19. *AJOG MFM* 2020
30. Di Mascio D, Khalil A, D'Amico A et al. Outcome of twin-twin transfusion syndrome according to the Quintero stage of the disease: a systematic review and meta-analysis. *UOG* 2020
31. Di Mascio D, Perrone G, Galoppi P, Brunelli R. Diffuse Large B-Cell Lymphoma During Third-Trimester Pregnancy and Lactation. *Obstet Gynecol* 2020
32. Di Mascio D, Saccone G, Bellussi F, Vitaliano A, Berghella V. Type of paternal sperm exposure before pregnancy and the risk of preeclampsia: a systematic review. *Eur J Obstet Gynecol Reprod Biol* 2020
33. Zullo F, Di Mascio D, Saccone G. COVID-19 Antibody Testing in Pregnancy. *AJOG MFM* 2020
34. Spiniello L, Di Mascio D, Bianco C et al. All we know about COVID-19 in pregnancy: from perinatal to ethical and psychological perspective. *Perinatal Journal* 2020 (doi: 10.2399/prn.20.0282008)
35. Huntley BJB, Huntley ES, Di Mascio D et al. Rates of Maternal and Perinatal Mortality and Vertical Transmission in Pregnancies Complicated by Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-Co-V-2) Infection: A Systematic Review. *Obstet Gynecol* 2020
36. Buca D\*, Di Mascio D\*, Khalil A et al. Neonatal morbidity in monoamniotic twin pregnancies: a systematic review and meta-analysis. *Am J Perinatol* 2020
37. Di Mascio D, Khalil A, Rizzo G et al. Risk of fetal loss following amniocentesis or chorionic villous sampling in twin pregnancies: a systematic review and meta-analysis. *UOG* 2020
38. Di Sebastiano F, Ronsini C, Di Mascio D, Liberati M, D'Antonio F, Buca D. Abdominal pregnancy: things to keep in mind! *Eur J Obstet Gynecol Reprod Biol* 2020

39. Familiari A, Khalil A, Rizzo G et al. Adverse intrapartum outcome in pregnancies complicated by SGA and late FGR undergoing IOL with Dinoprostone, Misoprostol or mechanical methods: a systematic review and meta-analysis. *Eur J Obstet Gynecol Reprod Biol* 2020
40. Sileo FG, Di Mascio D, Rizzo G, et al. Role of prenatal magnetic resonance imaging in fetuses with isolated agenesis of corpus callosum in the era of fetal neurosonography: a systematic review and meta-analysis *Acta Obstet Gynecol Scand*. 2020
41. Di Mascio D, Rizzo G, Buca D et al. Comparison between cerebroplacental ratio and umbilicocerebral ratio in predicting adverse perinatal outcome at term. *Eur J Obstet Gynecol Reprod Biol* 2020
42. Tinari S, Buca D, Calì G et al. Systematic review and meta-analysis of posterior placenta accreta spectrum disorders: Risk factors, histopathology and diagnostic accuracy. *UOG* 2020
43. The WAPM working group. Maternal and Perinatal Outcomes of Pregnant Women with SARS-COV-2 infection. *UOG* 2020
44. The WAPM working group. Risk factors associated with adverse fetal outcomes in pregnancies affected by Coronavirus Disease 2019 (COVID-19): analysis of the WAPM study on COVID-19. *J Perinat Med* 2020
45. Buca D\*, Di Mascio D\*, Rizzo G et al. Outcome of fetuses with congenital Cytomegalovirus infection: a systematic review and meta-analysis. *UOG* 2020
46. Di Mascio D, Greco F, Rizzo G, et al. Diagnostic accuracy of prenatal ultrasound in identifying the level of the lesion in fetuses with open spina bifida: a systematic review and meta-analysis. *Acta Obstet Gynecol Scand*. 2020
47. Di Mascio D, D'Antonio F. Perinatal mortality and morbidity of SARS-COV-2 infection during pregnancy in European countries: findings from an international study. *Eur J Obstet Gynecol Reprod Biol* 2020
48. Vena F, D'Ambrosio V, Pajno C, et al. Pregnant women's knowledge and behaviour to prevent cytomegalovirus infection: an observational study. *J Perinat Med*. 2020
49. Timor Tritsch I, Buca D, Di Mascio D et al. Outcome of cesarean scar pregnancy according to gestational age at diagnosis: a systematic review and meta-analysis. *Eur J Obstet Gynecol Reprod Biol* 2020
50. D'Ambrosio V, Vena F, Boccherini C, et al. Obstetrical and perinatal outcomes in fetuses with early versus late sonographic diagnosis of short femur length: A single-center, prospective, cohort study. *Eur J Obstet Gynecol Reprod Biol* 2020
51. Di Mascio D, Buca D, D'Antonio F. Moving beyond the diatribe on ultrasound vs MRI. *UOG* 2020

52. Quist-Nelson J, Gomez J, Felder L, et al. Stepwise implementation of vaginal cleansing and azithromycin at cesarean; a quality improvement study. *J Matern Fet Neonatal Med* 2021
53. Ucci MA, Di Mascio D, Bellussi F, Berghella V. Ultrasound evaluation of the uterus in the uncomplicated postpartum period: a systematic review. *AJOG MFM* 2021

## **Scientific activities**

*Associate Editor:*

Annals of Medicine (IF:3.2)

BMC Pregnancy and Childbirth (IF: 2.2)

*Editorial Board, Social Media Committee Vice Chair:*

American Journal of Obstetrics and Gynecology – MFM

## **Book chapters**

1. **Di Mascio D**, Magro Malosso E. *Breastfeeding and postpartum contraception*. Chapter 27 in “Labor and Delivery Management” - Berghella, Saccone, Ghi, Roman. Jaypee Brothers Medical Publishers 2018
2. Magro Malosso E, **Di Mascio D**. *Postpartum Care*. Chapter 15 in “Labor and Delivery Management” - Berghella, Saccone, Ghi, Roman. Jaypee Brothers Medical Publishers 2018
3. Magro Malosso E, **Di Mascio D**. *Care after cesarean delivery*. “Obstetric and Gynecological Women's Health. Prevention and Safeguard” – Di Renzo. Springer Nature 2021 (in press)
4. **Di Mascio D**, Magro Malosso E. *Postpartum care after vaginal delivery*. “Obstetric and Gynecological Women's Health. Prevention and Safeguard” – Di Renzo. Springer Nature 2021 (in press)

5. **Di Mascio D**, Giancotti A, Brunelli R. *Preparations before labor*. Di Renzo “Obstetric and Gynecological Women's Health. Prevention and Safeguard” – Di Renzo. Springer Nature 2021 (in press)
6. **Di Mascio D**, Di Renzo G, Berghella V. *Use of cervical length in labor and delivery*. “Intrapartum Ultrasonography for Labor Management” Springer 2021 (in press)
7. **Di Mascio D**, Berghella V. *Intrapartum fetal weight assessment and delivery outcomes*. “Intrapartum Ultrasonography for Labor Management” Springer 2021 (in press)
8. **Di Mascio D**, D’Antonio F. *Fetal Talipes*. VISUOG

Florus, 7/11/22

A handwritten signature in black ink, appearing to be 'Di Mascio'.

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# FRANCESCO D'ANTONIO

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## Curriculum Vitae

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### Esperienze lavorative e professionali

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|                                     |                                                                                                                               |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 10.04.2020                          | Professore di II Fascia in Ginecologia ed Ostetricia<br><i>Università degli Studi di Chieti</i>                               |
| 1 Aprile 2019 - 09.04.2020          | Professore di II fascia in Ginecologia ed Ostetricia<br><i>Università degli Studi di Foggia, Italia</i>                       |
| 1 Settembre 2015 -<br>31 Marzo 2019 | Professore di II Fascia in Ginecologia ed Ostetricia<br><i>UiT, The Arctic University of Norway, Tromsø, Norvegia</i>         |
| 1 Settembre 2015 -<br>31 Marzo 2019 | Dirigente Medico in Ostetricia e Ginecologia<br><i>University Hospital of Northern Norway, Tromsø, Norvegia</i>               |
| 1 Agosto 2014 -<br>31 Agosto 2015   | Dirigente Medico di I livello in Ginecologia ed Ostetricia<br><i>Policlinico Universitario Agostino Gemelli, Roma, Italia</i> |
| 1 Dicembre 2010 -<br>31 Luglio 2014 | Clinical Fellow in Medicina Fetale, Ostetricia e Ginecologia<br><i>St. George's Hospital NHS Trust, Londra, Regno Unito</i>   |

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### Informazioni personali

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**Data di nascita:** 04.10.1980

**Sesso:** Maschile

**Nazionalità:** Italiana

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### Attività assistenziale

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|                                     |                                                                                                                                                                          |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 Aprile 2019 - In corso            | Professore di II fascia in Ginecologia ed Ostetricia convenzionato come dirigente medico di I livello<br><i>Policlinico Universitario "Riuniti", Foggia, Italia</i>      |
| 1 Settembre 2015 -<br>31 Marzo 2019 | Professore di II Fascia in Ginecologia ed Ostetricia convenzionato come dirigente medico di I livello<br><i>University Hospital of Northern Norway, Tromsø, Norvegia</i> |
| 1 Agosto 2014 -<br>31 Agosto 2015   | Dirigente medico di I livello in Ginecologia ed Ostetricia<br><i>Policlinico Universitario "Agostino Gemelli", Roma, Italia</i>                                          |

1 Dicembre 2010 -  
31 Luglio 2014

Clinical Fellow in Medicina Fetale, Ostetricia e Ginecologia  
*St. George's Hospital NHS Trust, Londra, Regno Unito*

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## Capacità e competenze personali

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**Madrelingua:** Italiano

**Altra lingua:** Inglese

- Capacità di lettura: ottima
- Capacità di scrittura: ottima
- Capacità di espressione orale: ottima

### **Attività accademica**

#### **Indici bibliometrici:**

- H-index: 19 (Scopus, Ottobre 2019)
- Numero citazioni: 1389 (Scopus, Ottobre 2019)
- Impact factor:

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## Competenze cliniche

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### Competenze cliniche

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- Chirurgia mininvasiva fetale nei gemelli affetti da sindrome da trasfusione gemello-gemello. (184 procedure eseguite da Gennaio 2013)
  - Procedure diagnostiche invasive fetali: Amniocentesi (2834 procedure)
  - Procedure fetali invasive: prelievo di villi coriali (villocentesi) (1159 procedure)
  - Procedure diagnostiche invasive fetali: funicolocentesi (112 procedure)
  - Procedure terapeutiche invasive fetali (shunt toracici e vescicali) (16 procedure)
  - Procedure terapeutiche invasive fetali: Trasfusioni in utero (32 procedure)
  - Procedure terapeutiche invasive fetali: valvuloplastica aortica e polmonare (8 procedure)
  - Valutazione ecografica specialistica del cuore fetale (Cardiologia fetale) (5851 esami)
  - Valutazione ecografica specialistica di II livello dell'encefalo fetale (Neurologia fetale) (4612 esami)
  - Ecografia morfologica (>5000 esami)
  - Ecografia ostetrica del I trimestre e valutazione specialistica del rischio cromosomico (>5000 esami)
  - Ecografia ostetrica del III trimestre e Doppler materno-fetale (>5000 esami)
  - Parti operativi (forcipe e ventosa ostetrica) (121 procedure operative)
  - Manovre operative di emergenze ostetriche in corso di distocia di spalla (16 manovre)
  - Management delle gravidanze gemellari complicate
  - Management delle gravidanze ad alto rischio
  - Management delle gravidanze affette da disordini precoci e tardivi di invasione placentare
  - Chirurgia ostetrica (taglio cesareo) (887 interventi)
  - Chirurgia ostetrica (cerchiaggio cervicale) (19 procedure eseguite da)
  - Diagnostica Ginecologica mininvasiva (isteroscopia) (117 procedure)
  - Isterectomia laparotomica per patologia benigna uterina (57 interventi)
  - Annessiectomia laparoscopica per patologia benigna (41 interventi)

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## Istruzione e formazione

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|                                      |                                                                                                                  |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 2018                                 | Abilitazione a Professore di I Fascia in Ginecologia ed Ostetricia (06/H1)<br>(2018-2024)                        |
| 2017                                 | Abilitazione a Professore di II Fascia in Ginecologia ed Ostetricia (06/H1)<br>(2017-2023)                       |
| Gennaio 2013 -<br>Marzo 2014         | Dottorato di Ricerca Europeo<br><i>Università Degli Studi di Chieti-Pescara "G. D'Annunzio"</i>                  |
| 1 Giugno 2006 -<br>5 December 2010   | Specializzazione in Ginecologia ed Ostetricia<br><i>Università degli Studi di Chieti-Pescara "G. D'Annunzio"</i> |
| 4 Ottobre 1999 -<br>21 Dicembre 2005 | Corso di Laurea in Medicina e Chirurgia<br><i>Università degli Studi di Chieti-Pescara "G. D'Annunzio"</i>       |

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## Insegnamento

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 01.04.2019 - In corso   | Insegnamento ai corsi di laurea in Medicina e Chirurgia e Scienze Infermieristiche presso l'Università degli Studi di Foggia. |
| 01.09.2015 - 31.03.2019 | <i>Insegnamento al corso di laurea in Medicina e Chirurgia presso la UiT, Arctic University of Norway, Tromsø, Norvegia</i>   |

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## Attività editoriale per riviste scientifiche di settore

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Assistant Chief Editor per Acta Obstetrica et Gynecologica Scandinavica

Reviewer per le seguenti riviste scientifiche:

- Ultrasound In Obstetrics and Gynecology
- American Journal of Obstetrics and Gynecology
- British Journal of Obstetrics and Gynecology
- Obstetrics and Gynecology
- Pediatrics
- Radiology
- Circulation
- Fetal Diagnosis and Therapy
- Prenatal Diagnosis
- Journal of Perinatal Medicine
- Journal of Maternal, Fetal and Neonatal Medicine
- International Journal of Gynecology and Obstetrics

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## Pubblicazioni su riviste scientifiche

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1. Murgano D, Khalil A, Prefumo F, Van Mieghem T, Rizzo G, Heyborne KD, Melchiorre K, Peeters S, Lewi L, Familiari A, Lopriore E, Oepkes D, Murata M, Anselem O, Buca D, Liberati M, Hack K, Nappi L, Baxi LV, Scambia G, Acharya G, **D'Antonio F**. Outcome of twin-to-twin transfusion syndrome in monochorionic monoamniotic twin pregnancies: a systematic review and meta-analysis. *Ultrasound Obstet Gynecol*. 2019 Oct 8. doi: 10.1002/uog.21889. [Epub ahead of print] Review. PubMed PMID: 31595578.
2. Carbone L, De Vivo V, Saccone G, **D'Antonio F**, Mercorio A, Raffone A, Arduino B, D'Alessandro P, Sarno L, Conforti A, Maruotti GM, Alviggi C, Zullo F. Sexual Intercourse for Induction of Spontaneous Onset of Labor: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *J Sex Med*. 2019 Sep 11. pii: S1743-6095(19)31360-8. doi: 10.1016/j.jsexm.2019.08.002. [Epub ahead of print] PubMed PMID: 31521572.
3. Di Pasquo E, Ghi T, Calì G, **D'Antonio F**, Fratelli N, Forlani F, Prefumo F, Kaihura CT, Volpe N, Dall'Asta A, Frusca T. Intracervical lakes as a sonographic marker of placenta accreta spectrum (PAS) in patients with previa and low-lying placenta. *Ultrasound Obstet Gynecol*. 2019 Sep 10. doi: 10.1002/uog.21866. [Epub ahead of print] PubMed PMID: 31503353.
4. Baiju N, Acharya G, **D'Antonio F**, Berg RC. Effectiveness, safety, and acceptability of self-assessment of the outcome of first-trimester medical abortion: a systematic review and meta-analysis. *BJOG*. 2019 Aug 31. doi: 10.1111/1471-0528.15922. [Epub ahead of print] Review. PubMed PMID: 31471989.
5. Zanardini C, **D'Antonio F**, Hvingel B, Vårtun Å, Prefumo F, Flacco ME, Manzoli L, Acharya G. Agreement between anatomical M-mode and tissue Doppler imaging in the assessment of fetal atrioventricular annular plane displacement in uncomplicated pregnancies: A



- prospective longitudinal study. *J Obstet Gynaecol Res.* 2019 Aug 23. doi: 10.1111/jog.14068. [Epub ahead of print] PubMed PMID: 31441198.
6. **D'Antonio F**, Rizzo G, Gustapane S, Buca D, Flacco ME, Martellucci C, Manzoli L, Makatsariya A, Nappi L, Pagani G, Liberati M. Diagnostic accuracy of Doppler ultrasound in predicting perinatal outcome in pregnancies at term: A prospective longitudinal study. *Acta Obstet Gynecol Scand.* 2019 Aug 16. doi: 10.1111/aogs.13705. [Epub ahead of print] PubMed PMID: 31419304.
  7. Rizzo G, Mattioli C, Mappa I, Bitsadze V, Khizroeva J, Słodki M, Makatsarya A, **D'Antonio F**. Hemodynamic factors associated with fetal cardiac remodeling in late fetal growth restriction: a prospective study. *J Perinat Med.* 2019 Sep 25;47(7):683-688. doi: 10.1515/jpm-2019-0217. PubMed PMID: 31343984.
  8. Rizzo G, Mappa I, Bitsadze V, Słodki M, Khizroeva J, Makatsarya A, **D'Antonio F**. Role of first-trimester umbilical vein flow in predicting fetal macrosomia: a matched case-control study. *Ultrasound Obstet Gynecol.* 2019 Jul 25. doi: 10.1002/uog.20408. [Epub ahead of print] PubMed PMID: 31343791.
  9. Rizzo G, Mappa I, Bitsadze V, Słodki M, Khizroeva J, Makatsarya A, **D'Antonio F**. Role of Doppler ultrasound in predicting perinatal outcome in pregnancies complicated by late-onset fetal growth restriction at the time of diagnosis: a prospective cohort study. *Ultrasound Obstet Gynecol.* 2019 Jul 25. doi: 10.1002/uog.20406. [Epub ahead of print] PubMed PMID: 31343783.
  10. Leombroni M, Buca D, Liberati M, Falò E, Rizzo G, Khalil A, Manzoli L, Flacco ME, Santarelli A, Makatsariya A, Frondaroli F, **D'Antonio F**. Post-partum pelvic floor dysfunction assessed on 3D rotational ultrasound: a prospective study on women with first- and second-degree perineal tears and episiotomy. *J Matern Fetal Neonatal Med.* 2019 Jul 10:1-11. doi: 10.1080/14767058.2019.1609932. [Epub ahead of print] PubMed PMID: 31291792.
  11. Ciardulli A, **D'Antonio F**, Caissutti C, Manzoli L, Flacco ME, Buongiorno S, Saccone G, Rosati P, Lanzone A, Scambia G, Berghella V. Fetal brain hemodynamics in pregnancies at term: correlation with gestational age, birthweight and clinical outcome. *J Matern Fetal Neonatal Med.* 2019 Jul 9:1-7. doi: 10.1080/14767058.2019.1622669. [Epub ahead of print] PubMed PMID: 31288578.
  12. Rizzo G, Aloisio F, Bacigalupi A, Mappa I, Słodki M, Makatsarya A, **D'Antonio F**. Women's compliance with ultrasound in labor: a prospective observational study. *J Matern Fetal Neonatal Med.* 2019 Jul 8:1-5. doi: 10.1080/14767058.2019.1638903. [Epub ahead of print] PubMed PMID: 31257977.
  13. Finazzo F, **D'Antonio F**, Masselli G, Forlani F, Palacios-Jaraquemada J, Minneci G, Gambarini S, Timor-Trisch I, Prefumo F, Buca D, Liberati M, Khalil A, Cali G. Interobserver variability in MRI assessment of the severity of placenta accreta spectrum disorders. *Ultrasound Obstet Gynecol.* 2019 Jun 25. doi: 10.1002/uog.20381. [Epub ahead of print] PubMed PMID: 31237043.
  14. Saccone G, Khalil A, Thilaganathan B, Glinianaia SV, Berghella V, **D'Antonio F**; MONOMONO; NorSTAMP; STORK research collaboratives. Weight discordance and perinatal mortality in monoamniotic twin pregnancies: analysis of the MONOMONO, NorSTAMP and STORK multiple pregnancy cohorts. *Ultrasound Obstet Gynecol.* 2019 May 27. doi: 10.1002/uog.20357. [Epub ahead of print] PubMed PMID: 31132179.
  15. Rizzo G, Aloisio F, Yacoub M, Bitsadze V, Słodki M, Makatsariya A, **D'Antonio F**. Ultrasound assessment of the cervix in predicting successful membrane sweeping: a prospective observational study. *J Matern Fetal Neonatal Med.* 2019 May 27:1-7. doi: 10.1080/14767058.2019.1619689. [Epub ahead of print] PubMed PMID: 31092080.
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  17. Di Mascio D, Buca D, Khalil A, Rizzo G, Makatsariya A, Sileo F, Liberati M, Benedetti Panici P, Acharya G, **D'Antonio F**. Outcome of isolated fetal talipes: A systematic review and meta-analysis. *Acta Obstet Gynecol Scand.* 2019 Nov;98(11):1367-1377. doi: 10.1111/aogs.13637. Epub 2019 Jun 6. Review. PubMed PMID: 31034582.
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  21. Timor-Trisch IE, **D'Antonio F**, Calí G, Palacios-Jaraquemada J, Meyer J, Monteagudo A. Early first-trimester transvaginal ultrasound is indicated in pregnancy after previous Cesarean delivery: should it be mandatory? *Ultrasound Obstet Gynecol.* 2019 Aug;54(2):156-163. doi: 10.1002/uog.20225. Epub 2019 Jul 10. PubMed PMID: 30677186.
  22. Pardy C, **D'Antonio F**, Khalil A, Giuliani S. Prenatal detection of esophageal atresia: A systematic review and meta-analysis. *Acta Obstet Gynecol Scand.* 2019 Jun;98(6):689-699. doi: 10.1111/aogs.13536. Epub 2019 Mar 6. Review. PubMed PMID: 30659586.
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  24. **D'Antonio F**, Zafeiriou DI. Fetal ventriculomegaly: What we have and what is still missing. *Eur J Paediatr Neurol.* 2018 Nov;22(6):898-899. doi: 10.1016/j.ejpn.2018.11.005. PubMed PMID: 30573223.
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  26. Di Mascio D, Cali G, **D'Antonio F**. Updates on the management of placenta accreta spectrum. *Minerva Ginecol.* 2019 Apr;71(2):113-120. doi: 10.23736/S0026-4784.18.04333-2. Epub 2018 Nov 27. Review. PubMed PMID: 30486635.
  27. Leombroni M, Khalil A, Liberati M, **D'Antonio F**. Fetal midline anomalies: Diagnosis and counselling part 2: Septal anomalies. *Eur J Paediatr Neurol.* 2018 Nov;22(6):963-971. doi: 10.1016/j.ejpn.2018.10.003. Epub 2018 Nov 8. Review. PubMed PMID: 30470535.
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- Eur J Paediatr Neurol. 2018 Nov;22(6):951-962. doi: 10.1016/j.ejpn.2018.08.007. Epub 2018 Oct 21. Review. PubMed PMID: 30448279.
29. Di Tizio L, Spina MR, Gustapane S, **D'Antonio F**, Liberati M. Interstitial Pregnancy: From Medical to Surgical Approach-Report of Three Cases. *Case Rep Obstet Gynecol*. 2018 Oct 15;2018:2815871. doi: 10.1155/2018/2815871. eCollection PubMed PMID: 30410806; PubMed Central PMCID: PMC6205099.
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  40. Ciardulli A, **D'Antonio F**, Magro-Malosso ER, Manzoli L, Anisman P, Saccone G, Berghella V. Maternal steroid therapy for fetuses with second-degree immune-mediated congenital atrioventricular block: a systematic review and meta-analysis. *Acta Obstet Gynecol Scand*. 2018 Jul;97(7):787-794. doi: 10.1111/aogs.13338. Epub 2018 Apr 18. PubMed PMID: 29512819.
  41. Wagle M, **D'Antonio F**, Reiherth E, Basnet P, Trovik TA, Orsini G, Manzoli L, Acharya G. Dental caries and preterm birth: a systematic review and meta-analysis. *BMJ Open*. 2018 Mar 2;8(3):e018556. doi: 10.1136/bmjopen-2017-018556. Review. PubMed PMID: 29500202; PubMed Central PMCID: PMC5855295.
  42. Ciardulli A, **D'Antonio F**, Magro-Malosso ER, Saccone G, Manzoli L, Radolec M, Berghella V. Maternal steroid therapy for fetuses with immune-mediated complete atrioventricular block: a systematic review and meta-analysis. *J Matern Fetal Neonatal Med*. 2019 Jun;32(11):1884-1892. doi: 10.1080/14767058.2017.1419182. Epub 2018 Oct 11. PubMed PMID: 29251180.
  43. Cali G, Timor-Trisch IE, Palacios-Jaraquemada J, Monteagudo A, Forlani F, Minneci G, Foti F, Buca D, Familiari A, Scambia G, Liberati M, **D'Antonio F**. Changes in ultrasonography indicators of abnormally invasive placenta during pregnancy. *Int J Gynaecol Obstet*. 2018 Mar;140(3):319-325. doi: 10.1002/ijgo.12413. Epub 2018 Jan 9. PubMed PMID: 29197083.
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  45. Familiari A, Liberati M, Lim P, Pagani G, Cali G, Buca D, Manzoli L, Flacco ME, Scambia G, **D'antonio F**. Diagnostic accuracy of magnetic resonance imaging in detecting the severity of abnormal invasive placenta: a systematic review and meta-analysis. *Acta Obstet Gynecol Scand*. 2018 May;97(5):507-520. doi: 10.1111/aogs.13258. Epub 2017 Dec 13. Review. PubMed PMID: 29136274.
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  49. **D'Antonio F**, Timor-Trisch IE, Palacios-Jaraquemada J, Monteagudo A, Buca D, Forlani F, Minneci G, Foti F, Manzoli L, Liberati M, Acharya G, Cali G. First-trimester detection of abnormally invasive placenta in high-risk women: systematic review and meta-analysis. *Ultrasound Obstet Gynecol*. 2018 Feb;51(2):176-183. doi: 10.1002/uog.18840. Review. PubMed PMID: 28833750.
  50. Familiari A, Morlando M, Sonesson SE, Rizzo G, Acharya G, Manzoli L, **D'Antonio F**. Response to Letter Regarding Article, "Risk Factors for Coarctation of the Aorta on Prenatal Ultrasound: A Systematic Review and Meta-Analysis". *Circulation*. 2017 Jul 18;136(3):338-339. doi:

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  53. Scala C, Morlando M, Familiari A, Leone Roberti Maggiore U, Ferrero S, **D'Antonio F**, Khalil A. Fetal Tricuspid Regurgitation in the First Trimester as a Screening Marker for Congenital Heart Defects: Systematic Review and Meta-Analysis. *Fetal Diagn Ther*. 2017;42(1):1-8. doi: 10.1159/000455947. Epub 2017 May 9. Review. PubMed PMID: 28482343.
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## Membership

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Membro del "Clinical Standard Committee" per l'International Society of Ultrasound in Obstetrics and Gynecology (ISUOG)

Membro del panel di esperti dell'"Abnormally Invasive Placenta Study Group", per l'International Society of Gynecology and Obstetrics (FIGO)

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## Capitoli di libri scientifici

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1. Buca D, D'Antonio F. Neurological implications in IUGR. In "Fetal growth restriction: current evidence and clinical practice". Springer 2018.
2. D'Antonio F, Palacios-Jaraquemada J. Prenatal diagnosis of abnormally invasive placenta. In "Abnormally invasive placental disorders:

Diagnosis and management", 2016 Ed. Edited.

3. D'Antonio F, Bhide A. Antenatal cardiotocography. In "Antenatal and intra-partum fetal surveillance", Ed. Longman, 2016.
4. D'Antonio F, Papageorgiou AT. Fetal ventriculomegaly. In "Obstetric Imaging", Ed. Elsevier, 2017.
5. F, Bhide A. Fetal infections. In management of high-risk Ed. Elsevier, 2014.
6. D'Antonio F, Bhide A. Antenatal cardiotocography. In "Antenatal and intra-partum fetal surveillance", Ed. Longman, 2012.
7. D'Antonio F, Papageorgiou AT. Fetal ventriculomegaly. In "Obstetric Imaging", Ed. Elsevier, 2012.

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## Presentazioni a Congressi Nazionali ed Internazionali

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- Relazione su invito al World Conference of The International Society of Ultrasound in obstetrics and Gynecology (ISUOG), 2019, Berlino. Titolo: "How to summarize the heterogeneity in the literature on placenta accreta spectrum disorders".
- Relazione su invito al World Conference of The International Society of Ultrasound in obstetrics and Gynecology (ISUOG), 2019, Berlino. Titolo: "Screening in the first trimester".
- Relazione su invito al World Conference of The International Society of Ultrasound in obstetrics and Gynecology (ISUOG), 2019, Berlino. Titolo: "Plea for standardisation of Outcome in posterior fossa anomalies".
- Comunicazione orale al World Conference of The International Society of Ultrasound in obstetrics and Gynecology (ISUOG), 2019, Berlino. Titolo: "Ultrasound staging of placenta accrete spectrum disorders".
- Relazione su invito "Gestione delle gravidanze gemellari" al corso "Ruolo dell'ecografia nel clinical decision making in Ginecologia ed Ostetricia", Pescara, Giugno 2019.
- Relazione su invito "Disordini di invasione placentare" al corso "Venerdì orvietani di Ginecologia ed Ostetricia", Orvieto, Giugno 2019.
- Relazione su invito "Disordini di invasione placentare" al corso "Argomenti di Ostetricia ed Ecografia Ostetrica", Montebelluna, Giugno 2019.
- Relazione su invito "Diagnosi e gestione delle cisti ovariche fetali" al corso "Argomenti di Ostetricia ed Ecografia Ostetrica", Montebelluna, Giugno 2019.
- Relazione su invito "Haemodynamic consequence of fetal growth restriction" al Simposio Internazionale "Management of fetal growth restriction", Roma, Febbraio 2019.
- Relazione su invito al "New imaging techniques for detecting preterm birth". Congresso regionale Lombardia della Società Italiana di Ecografia in Ginecologia ed Ostetricia, Brescia, Giugno 2017.
- Relazione su invito "Cardiovascular function in fetuses affected by intra-uterine growth restriction". Congresso Nazionale della Società Italiana di Ecografia in Ginecologia ed Ostetricia, Firenze, Maggio 2017.
- Relazione su invito "Anomalie della fossa cranica posteriore", Hot Topics in Fetal Medicine, Milano, Novembre 2015.
- Relazione su invito "Anomalie della fossa cranica posteriore" al Congresso nazionale di Ecografia in ginecologia ed Ostetricia, Roma 2017.
- Relazione su invito "Agenesis of the Corpus Callosum", International Congress of Integrated Imaging in Obstetrics and Gynecology, Palermo. Palermo, Marzo 2015.
- Relazione su invito "Complications of monochorionic twin pregnancy", Hot topics on multiple pregnancies and Gynecology, Chieti 2014.
- Invited presentation "Weight discordance in twins", Hot topics on multiple pregnancies and Gynecology, Chieti 2014.
- Comunicazione orale (TOP abstract session): Accuracy of second trimester cervical length in predicting spontaneous preterm birth in twin pregnancies. XXIII Congress of the International Society of Ultrasound in Obstetrics and Gynaecology, Sydney, Australia, Ottobre 2013.
- Comunicazione orale (multiple pregnancies): Third trimester weight discordance cut-offs and perinatal mortality in twins: The STORK multiple pregnancy cohort. XXIII Congress of the International Society of Ultrasound in Obstetrics and Gynecology, Sydney, Australia Ottobre 2013.
- Comunicazione orale (multiple pregnancies): Embryonic discordance and early fetal loss in twins: The STORK multiple pregnancy cohort. XXIII Congress of the International Society of Ultrasound in Obstetrics and Gynaecology, Sydney, Australia, Ottobre 2013.
- Comunicazione orale (fetal cardiology): Fetal right aortic arch. XXIII Congress of the International Society of Ultrasound in Obstetrics and Gynecology Sydney, Australia, Ottobre 2013.
- Comunicazione orale (Reproductive medicine): Ovarian hyper-stimulation syndrome (OHSS) and adverse pregnancy outcome: a systematic review and meta-analysis. XXIII Congress of the International Society of Ultrasound in Obstetrics and Gynecology, Sydney, Australia, Ottobre 2013.
- Poster orale (Imaging technology including MRI and quantitative imaging): Prenatal identification of invasive placentation using ultrasound: a systematic review and meta-analysis. XXIII Congress of the International Society of Ultrasound in Obstetrics and Gynaecology, Sydney, Australia, Ottobre 2013.
- Poster (Imaging technology including MRI and quantitative imaging): Prenatal identification of invasive placentation using magnetic resonance imaging: a systematic review and metaanalysis. XXIII Congress of the International Society of Ultrasound in Obstetrics and Gynaecology, Sydney, Australia, Ottobre 2013.
- Poster orale (Doppler ultrasound): Cerebral brain blood flow redistribution in fetuses with congenital heart disease. XXIII Congress of the International Society of Ultrasound in Obstetrics and Gynaecology, Sydney, Australia, Ottobre 2013.
- Comunicazione orale (multiple pregnancies): Crown rump length discordance and early fetal loss in twins: The STORK multiple pregnancy cohort. XXII Congress of the International Society of Ultrasound in Obstetrics and Gynecology, Copenhagen, Settembre 2012.

- Comunicazione orale (multiple pregnancies): Second trimester discordance and perinatal mortality in twins: The STORK multiple pregnancy cohort. XXII Congress of the International Society of Ultrasound in Obstetrics and Gynecology, Copenhagen, Settembre 2012.
- Comunicazione orale (multiple pregnancies): Weight discordance and perinatal mortality in twins: The STORK multiple pregnancy cohort. 2XXII Congress of the International Society of Ultrasound in Obstetrics and Gynaecology, Copenhagen, Denmark, Settembre 2012.
- Poster orale (New imaging techniques) Comparison of Wavelet Transform and Time-Domain Analysis of Second Trimester Uterine Artery Doppler Waveforms in Screening for Pre-eclampsia. XXI Congress of the International Society of Ultrasound in Obstetrics and Gynecology Los Angeles, Settembre 2011).

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### Premi e riconoscimenti

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- Miglior abstract (Accuracy of fetal Doppler in predicting perinatal compromise at term) al Congresso Nazionale Della Società Italiana di Ginecologia ed Ostetricia (Marzo 2017).
- Membro onorario della Società Italiana di Ecografia In Ginecologia Ed Ostetricia (Febbraio 2015).
- Young Investigator Award in Medicina Materno fetale ed ostetricia conseguito durante il XXIII World Congress of Ultrasound in Obstetrics and Gynecology, Sydney, Australia (Ottobre 2013).
- Poster presentation Prize (Imaging technology including MRI and quantitative imaging), conseguito durante il XXIII Congress of the International Society of Ultrasound in Obstetrics and Gynaecology, Sydney, Australia. (Ottobre 2013).
- Oral Communication Prize (Multiple pregnancies) conseguito durante XXIII Congress of the International Society of Ultrasound in Obstetrics and Gynaecology, Sydney, Australia (Ottobre 2013).
- Oral Communication Prize (multiple pregnancies) conseguito durante il XXII Congress of the International Society of Ultrasound in Obstetrics and Gynaecology, Copenhagen (Settembre 2012).

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### Certificati di competenza clinica

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- Certificato di competenza nell'esecuzione dell'ecografia morfologica rilasciato dalla Fetal Medicine Foundation.
- Certificato di competenza nell'esecuzione del Doppler fetale rilasciato dalla Fetal Medicine Foundation.
- Certificato di competenza nell'esecuzione delle procedure invasive fetali invasive rilasciato dalla Fetal Medicine Foundation.
- Certificato di competenza nell'esecuzione della lunghezza cervicale rilasciato dalla Fetal Medicine Foundation.
- Certificato di competenza nell'esecuzione della translucenza nucale rilasciato dalla Fetal Medicine Foundation.
- Certificato di competenza nella valutazione dell'osso nasale all'11-14 settimana di gestazione rilasciato dalla Fetal Medicine Foundation.
- Certificato di competenza nella valutazione del dotto venoso fetale all'11-14 settimana di gestazione rilasciato dalla Fetal Medicine Foundation.
- Certificato di competenza nella valutazione dell'angolo facciale all'11-14 settimana di gestazione rilasciato dalla Fetal Medicine Foundation.
- Certificato di competenza nella valutazione del Doppler della valvola tricuspidale all'11-14 settimana di gestazione rilasciato dalla Fetal Medicine Foundation.
- Certificato di competenza nell'esecuzione dello screening del I trimestre della pre-eclampsia rilasciato dalla Fetal Medicine Foundation.
- Certificato di competenza nell'esecuzione della versione cefalica esterna e della gestione delle emorragie del post-partum nelle gravidanze gemellari rilasciato dal St. George's Hospital, NHS trust.

