

# CURRICULUM VITAE Dott.ssa Elisabetta Munzone

## POSIZIONE LAVORATIVA ATTUALE

- 2017 - Oggi                      Dirigente Medico con Incarico di Alta Specializzazione quale Referente per Innovazioni terapeutiche nel carcinoma mammario avanzato, Divisione di Senologia Medica, presso l'Istituto Europeo di Oncologia, Milano
- 2011 - Oggi                      Vice Direttore Senior, Divisione di Senologia Medica, presso l'Istituto Europeo di Oncologia, Milano

## FORMAZIONE

- 1990                              Laurea in Medicina e Chirurgia, con pieni voti assoluti e lode, presso l'Università degli Studi di Milano, Milano
- 1994                              Specializzazione in Oncologia, con pieni voti assoluti, presso l'Università degli Studi di Milano, Milano
- 2009                              Guest Researcher, National Cancer Institute, Bethesda, MD, USA

## Ricerca Clinica

- PI dello Studio METEORA: "MEtronomic TrEatment Option in advanced bReast cAncer: A randomized phase II trial of metronomic oral vinorelbine plus cyclophosphamide and capecitabine (VEX) versus weekly paclitaxel as first-line or second-line treatment in patients with ER-positive/HER2-negative advanced or metastatic breast cancer"
- Coordinato da IBCSG, pazienti previsti 160.
- PI dello Studio POLAR: "Palbociclib for HR+ Isolated Local or Regional Recurrence of Breast Cancer: A phase III open-label, multicenter, randomized trial of adjuvant palbociclib in combination with endocrine therapy versus endocrine therapy alone for patients with hormone receptor positive / HER2-negative resected locoregional recurrence of breast cancer"  
Coordinato da IBCSG e BIG, pazienti previsti 450
- PI dello Studio FACILE: "FeAsibility of first-line riboClclicl in oLdEr patients with advanced breast cancer. Phase II, multicenter, single arm trial to assess the feasibility of first line ribociclib in combination with a non steroidal aromatase inhibitor in elderly patients with hormone receptor positive/HER2 negative advanced breast cancer".  
Coordinato da Fondazione Sandro Pitigliani, pazienti previsti 196

## *Responsabilità di progetti finanziati su base competitiva*

- 2017 - 2020                      H2020-SC1-2016-2017 coordinatore del WP6 del Progetto "BOUNCE: Predicting Effective Adaptation to Breast Cancer to Help Women to BOUNCE Back"
- 2016 - 2019                      AIRC IG 2016 coordinatore del Task 4 del Progetto dal titolo "Unveiling potentially actionable mechanisms of acquired endocrine resistance in breast cancer patients".
- 2013 - 2016                      AIRC IG 2013 N.14069 Coordinatore del clinical task del Progetto dal titolo: "Study of the molecular mechanisms mediating the development of brain metastasis in breast cancer "
- 2010 - 2015                      Team Leader EC-FP7 p-medicine - Grant Agreement no. 270089  
Titolo: "From data sharing and integration via Virtual Physiological Human (VPH) models to personalized medicine".

2008 - 2011 RF-INN-2008-1142520 Scientific coordinator of the participation unit, progetto dal titolo: “Resistance to bevacizumab in patients with relapsing glioblastoma”.

#### **ATTIVITA' DI CONSULENZA SCIENTIFICA**

2017 Grant Reviewer, Breast Cancer Now, UK

1995-1996 Membro del GRUPPO DI LAVORO “LINEEGUIDA INERENTI L’USO DI PRODOTTI DI TERAPIA GENICA: GUIDA AI PRODUTTORI E AGLI UTILIZZATORI”  
PRESIDENZA DEL CONSIGLIO DEI MINISTRI - COMITATO NAZIONALE PER LA BIOSICUREZZA E LE BIOTECNOLOGIE

#### ***Partecipazione a gruppi di Ricerca Nazionali ed Internazionali***

2019 -oggi Vice-Chair of the Executive of the Scientific Committee of the International Breast Cancer Study Group (IBCSG)

2019 - oggi Scientific Advisory Council, Breast International Group (BIG), Committee Member

2015 - oggi Scientific Advisory Council, International Breast Cancer Study Group (IBCSG), Committee Member

2015- oggi Membro del WG (Working Group) ACC (Alleanza Contro il Cancro)/Neuroncologia

#### ***Ruoli in Riviste Scientifiche***

2010 - oggi Editorial Board Member, *ecancermedicalscience*

2010 - oggi Reviewer per numerose riviste, tra cui: *Nature Clinical Cancer Reviews*, *Annals of Oncology*, *Breast Cancer Research and Treatment*, *Breast Cancer Research*, *Clinical Breast Cancer*, *British Journal of Cancer*, *European Journal of Cancer*, *Breast Cancer Research*, *Critical Review in Hematology-Oncology*, *The Lancet Oncology*

#### **Alcune partecipazioni negli ultimi 10 anni in qualità di relatore invitato a congressi e convegni di interesse nazionale e internazionale**

2020 Invited Speaker, Best of ASCO ASCO20 Virtual, Milano, IT “Breast Cancer - Metastatic Setting”

2020 Responsabile Scientifico, CORSO WEBINAR Il carcinoma mammario in epoca Covid: L’esperienza della Divisione di Senologia Medica IEO, Milano, IT

2019 Invited Speaker, 3° Hangzhou Xianghu International Breast cancer symposium, Hangzhou, China “The Clinical Practice for ABC Patients in MBC-ABC4”

2018 Invited Speaker, 6th International Meeting on Metronomic Chemotherapy in Oncology Grand Rapids, MI, USA. Keynote presentation “Metronomic chemotherapy for breast cancer: clinical results”.

2017 Invited Speaker, XIX Congresso Nazionale di Oncologia Medica, AIOM, Roma, IT. “Alopecia in corso di chemioterapia: è proprio necessaria?”

2017 Invited Speaker, South African Oncology Roadshow, Sud Africa,

## “Optimizing disease control in Metastatic Breast Cancer”

- 2017 Invited Speaker, Milan Breast Cancer Biannual Conference, Milano, IT. “Support and avoiding alopecia during adjuvant chemotherapy”
- 2013 Invited Speaker 13th Milan Breast Cancer Conference, Milano, Italia, “Extended adjuvant therapy in ERpositive disease: balancing costs and benefit”
- 2011 Invited Speaker 13th, Milan Breast Cancer Conference, Milano, Italia, “Metronomic therapies”

### **Affiliazioni a Società Scientifiche Nazionali ed Internazionali**

- Società Italiana di Oncologia Medica (AIOM)
- American Society for Clinical Oncology (ASCO)
- Breast International Group (BIG)
- International Breast Cancer Study Group (IBCSG)

### **ATTIVITA' DIDATTICA**

- 2015- Oggi Docenza presso il Corso di Master (II° livello) in Farmacia e Farmacologia Oncologica, Università degli Studi di Milano, Dipartimento di Scienze Farmacologiche e Biomolecolari
- 2014 -2015 Docenza presso il Corso di Master (I livello) in “Infermieristica Oncologica”, Dipartimento di Scienze della Salute, Università degli Studi di Milano
- 2017 - Oggi Conseguimento dell’Abilitazione Scientifica Nazionale ai sensi dell’articolo. 16 della Legge 240/2016 per il settore Concorsuale 06/D3, Malattie del Sangue, Oncologia e Reumatologia, Settore Scientifico Disciplinare MED/06, Oncologia Medica
- 2019 - Oggi Membro del comitato scientifico della International School of Metronomic ([www.internationalschoolmetronomic.com](http://www.internationalschoolmetronomic.com))
- 2020 - oggi Svolge il ruolo di "tutor" nei confronti del personale in formazione (medici specializzandi).

### **Pubblicazioni:**

1. Horgan D, Ciliberto G, Conte P, Curigliano G, Seijo L, Montuenga LM, Garassino M, Penault-Llorca F, Galli F, Ray-Coquard I, Querleu D, Riegman P, Kerr K, Van Poppel H, Bjartell A, Codacci-Pisanelli G, Koeva-Balabanova J, Paradiso A, Maravic Z, Fotaki V, Malats N, Bernini C, Buglioni S, Kent A, Munzone E, Belina I, Van Meerbeeck J, Duffy M, Jagielska B, Capoluongo E. Bringing Onco-Innovation to Europe's Healthcare Systems: The Potential of Biomarker Testing, Real World Evidence, Tumour Agnostic Therapies to Empower Personalised Medicine. *Cancers (Basel)*. 2021 Feb 2;13(3):583. doi: 10.3390/cancers13030583.
2. Horgan D, Ciliberto G, Conte P, Baldwin D, Seijo L, Montuenga LM, Paz-Ares L, Garassino M, Penault-Llorca F, Galli F, Ray-Coquard I, Querleu D, Capoluongo E, Banerjee S, Riegman P, Kerr K, Horbach B, Büttner R, Van Poppel H, Bjartell A, Codacci-Pisanelli G, Westphalen B, Calvo F, Koeva-Balabanova J, Hall S, Paradiso A, Kalra D, Cobbaert C, Varea Menendez R, Maravic Z, Fotaki V, Bennaoui J, Cauchin E, Malats N, Gutiérrez-Ibarluzea I, Gannon B, Mastris K, Bernini C, Gallagher W, Buglioni S, Kent A, Munzone E, Belina I, Van Meerbeeck J, Duffy M, Sarnowska E, Jagielska B, Mee S, Curigliano G. Bringing Greater Accuracy to Europe's Healthcare Systems: The Unexploited Potential of Biomarker Testing in Oncology. *Biomed Hub*. 2020 Sep 14;5(3):182-223. doi: 10.1159/000511209. eCollection 2020 Sep-Dec.

3. Guerini-Rocco E, Gray KP, Fumagalli C, Reforgiato MR, Leone I, Rafaniello Raviele P, Munzone E, Kammler R, Neven P, Hitre E, Jerusalem G, Simoncini E, Gombos A, Deleu I, Karlsson P, Aebi S, Chirgwin J, Di Lauro V, Thompson A, Graas MP, Barber M, Fontaine C, Loibl S, Gavilá J, Kuroi K, Müller B, O'Reilly S, Di Leo A, Goldhirsch A, Viale G, Barberis M, Regan MM, Colleoni M. Genomic Aberrations and Late Recurrence in Postmenopausal Women with Hormone Receptor-positive Early Breast Cancer: Results from the SOLE Trial. *Clin Cancer Res*. 2021 Jan 15;27(2):504-512
4. Montagna E, Pagan E, Bagnardi V, Colleoni M, Canello G, Munzone E, Dellapasqua S, Bianco N, Campenni G, Iorfida M, Mazza M, De Maio A, Veronesi P, Sangalli C, Scateni B, Pettini G, Pravettoni G, Mazzocco K, Galimberti V. Evaluation of endocrine therapy and patients preferences in early breast cancer: results of Elena study. *Breast Cancer Res Treat*. 2020 Dec;184(3):783-795.
5. Magbanua MJ, Hendrix LH, Hyslop T, Barry WT, 4, Winer EP, Hudis C, Toppmeyer D, Carey LA, Partridge A, Pierga JY, Fehm T, Vidal-Martínez J, Mavroudis D, Garcia-Saenz JA, Stebbing J, Gazzaniga P, Manso L, Zamarchi R, Antelo ML, De Mattos-Arruda L, Generali D, Caldas C, Munzone E, Dirix L, Delson AL, Burstein H, Qadir M, Ma C, Scott JH, Bidard FC, Park JW, Rugo HS. Serial analysis of circulating tumor cells identifies four prognostic groups for novel risk-stratification in metastatic breast cancer (CALGB 40502/NCCTG N063H) (Alliance). *J Natl Cancer Inst*. 2020 Aug 8:djaa113. doi: 10.1093/jnci/djaa113. Online ahead of print.
6. Montagna E, Canello G, Pagan E, Bagnardi V, Munzone E, Dellapasqua S, Viale G, Mazzarol G, Veronesi P, Galimberti V, Santomauro G, Colleoni M. Prognosis of selected triple negative apocrine breast cancer patients who did not receive adjuvant chemotherapy. *Breast*. 2020 Jul 24;53:138-142. doi: 10.1016/j.breast.2020.07.003. Online ahead of print.
7. Iorfida M, Mazza M, Munzone E. Fulvestrant in Combination with CDK4/6 Inhibitors for HER2- Metastatic Breast Cancers: Current Perspectives. *Breast Cancer (Dove Med Press)*. 2020 Mar 18;12:45-56. doi: 10.2147/BCTT.S196240. eCollection 2020.
8. Viale G, Munzone E. Treatment selection for patients with equivocal HER2 status and in luminal versus HER2-enriched disease. *Breast*. 2019 Nov;48 Suppl 1:S49-S52. doi: 10.1016/S0960-9776(19)31123-3.
9. Munzone E, Pagan E, Bagnardi V, Mazzocco K. Reply to Comments on: "Preventing chemotherapy-induced alopecia: a prospective clinical trial on the efficacy and safety of a scalp cooling system in early breast cancer patients treated with anthracyclines." *Br J Cancer*. 2019 Oct;121(9):806. doi: 10.1038/s41416-019-0577-4.
10. Schmid S, Klingbiel D, Aebi S, Goldhirsch A, Mamot C, Munzone E, Nolè F, Oehlschlegel C, Pagani O, Pestalozzi B, Rochlitz C, Thürlimann B, von Moos R, Weder P, Zaman K, Ruhstaller T. Long-term responders to trastuzumab monotherapy in first-line HER-2+ advanced breast cancer: characteristics and survival data. *BMC Cancer*. 2019 Sep 10;19(1):902. doi: 10.1186/s12885-019-6105-3.
11. Munzone E, Bagnardi V, Campenni G, Mazzocco K, Pagan E, Tramacere A, Masiero M, Iorfida M, Mazza M, Montagna E, Canello G, Bianco N, Palazzo A, Cardillo A, Dellapasqua S, Sangalli C, Pettini G, Pravettoni G, Colleoni M, Veronesi P. Preventing chemotherapy-induced alopecia: a prospective clinical trial on the efficacy and safety of a scalp-cooling system in early breast cancer patients treated with anthracyclines. *Br J Cancer*. 2019 Aug;121(4):325-331. doi: 10.1038/s41416-019-0520-8.
12. Cazzaniga ME, Biganzoli L, Cortesi L, De Placido S, Donadio M, Fabi A, Ferro A, Generali D, Lorusso V, Milani A, Montagna E, Munzone E, Orlando L, Pizzuti L, Simoncini E, Zamagni C, Pappagallo GL; "Metronomic Chemotherapy in Advanced Breast Cancer" Study Group. Treating advanced breast cancer with metronomic chemotherapy: what is known, what is new and what is the future? *Onco Targets Ther*. 2019 Apr 23;12:2989-2997. doi: 10.2147/OTT.S189163. eCollection 2019.
13. Cristofanilli M, Pierga JY, Reuben J, Rademaker A, Davis AA, Peeters DJ, Fehm T, Nolè F, Gisbert-Criado R, Mavroudis D, Grisanti S, Giuliano M, Garcia-Saenz JA, Stebbing J, Caldas C, Gazzaniga P, Manso L, Zamarchi R, de Lascoiti AF, De Mattos-Arruda L, Ignatiadis M, Cabel L, van Laere SJ, Meier-Stiegen F, Sandri MT, Vidal-Martinez J, Politaki E, Consoli F, Generali D, Cappelletti MR, Diaz-Rubio E, Krell J, Dawson SJ, Raimondi C, Rutten A, Janni W, Munzone E, Carañana V, Agelaki S, Almici C, Dirix L,

- Solomayer EF, Zorzino L, Darrigues L, Reis-Filho JS, Gerratana L, Michiels S, Bidard FC, Pantel K. The clinical use of circulating tumor cells (CTCs) enumeration for staging of metastatic breast cancer (MBC): International expert consensus paper. *Crit Rev Oncol Hematol*. 2019 Feb;134:39-45. doi: 10.1016/j.critrevonc.2018.12.004. Epub 2018 Dec 19. Review.
14. Loi S, Drubay D, Adams S, Pruneri G, Francis PA, Lacroix-Triki M, Joensuu H, Dieci MV, Badve S, Demaria S, Gray R, Munzone E, Lemonnier J, Sotiriou C, Piccart MJ, Kellokumpu-Lehtinen PL, Vingiani A, Gray K, Andre F, Denkert C, Salgado R, Michiels S. Tumor-Infiltrating Lymphocytes and Prognosis: A Pooled Individual Patient Analysis of Early-Stage Triple-Negative Breast Cancers. *J Clin Oncol*. 2019 Mar 1;37(7):559-569. doi: 10.1200/JCO.18.01010. Epub 2019 Jan 16.
  15. Dellapasqua S, Gray KP, Munzone E, Rubino D, Gianni L, Johansson H, Viale G, Ribi K, Bernhard J, Kammler R, Maibach R, Rabaglio-Poretti M, Ruepp B, Di Leo A, Coates AS, Gelber RD, Regan MM, Goldhirsch A, Colleoni M; International Breast Cancer Study Group. Neoadjuvant Degarelix Versus Triptorelin in Premenopausal Patients Who Receive Letrozole for Locally Advanced Endocrine-Responsive Breast Cancer: A Randomized Phase II Trial. *J Clin Oncol*. 2019 Feb 10;37(5):386-395. doi: 10.1200/JCO.18.00296. Epub 2018 Dec 27.
  16. Cazzaniga ME, Munzone E, Bocci G, Afonso N, Gomez P, Langkjer S, Petru E, Pivot X, Sánchez Rovira P, Wysocki P, Torri V. Pan-European Expert Meeting on the Use of Metronomic Chemotherapy in Advanced Breast Cancer Patients: The PENELOPE Project. *Adv Ther*. 2019 Feb;36(2):381-406. doi: 10.1007/s12325-018-0844-4. Epub 2018 Dec 18.
  17. Montagna E, Bagnardi V, Canello G, Sangalli C, Pagan E, Iorfida M, Mazza M, Mazzarol G, Dellapasqua S, Munzone E, Goldhirsch A, Colleoni M. Metronomic Chemotherapy for First-Line Treatment of Metastatic Triple-Negative Breast Cancer: A Phase II Trial. *Breast Care (Basel)*. 2018 Jul;13(3):177-181. doi: 10.1159/000487630.
  18. Munzone E, Colleoni M. Optimal management of luminal breast cancer: how much endocrine therapy is long enough? *Ther Adv Med Oncol*. 2018 Jun 18;10:1758835918777437. doi: 10.1177/1758835918777437.
  19. Cazzaniga ME, Munzone E, Montagna E, Pappagallo G. Treatment of advanced breast cancer with a metronomic schedule of oral vinorelbine: what is the opinion of Italian oncologists? *Expert Rev Anticancer Ther*. 2018 Aug;18(8):805-814. doi: 10.1080/14737140.2018.1489244.
  20. Munzone E, Gray KP, Fumagalli C, Guerini-Rocco E, Láng I, Ruhstaller T, Gianni L, Kammler R, Viale G, Di Leo A, Coates AS, Gelber RD, Regan MM, Goldhirsch A, Barberis M, Colleoni M. Mutational analysis of triple-negative breast cancers within the International Breast Cancer Study Group (IBCSG) Trial 22-00. *Breast Cancer Res Treat*. 2018 Jul;170(2):351-360. doi: 10.1007/s10549-018-4767-1.
  21. Palazzo A, Dellapasqua S, Munzone E, Bagnardi V, Mazza M, Canello G, Ghisini R, Iorfida M, Montagna E, Goldhirsch A, Colleoni M. Phase II Trial of Bevacizumab Plus Weekly Paclitaxel, Carboplatin, and Metronomic Cyclophosphamide With or Without Trastuzumab and Endocrine Therapy as Preoperative Treatment of Inflammatory Breast Cancer. *Clin Breast Cancer*. 2018 Aug;18(4):328-335. doi: 10.1016/j.clbc.2018.01.010.
  22. Richichi C, Fornasari L, Melloni GEM, Brescia P, Patané M, Del Bene M, Mustafa DAM, Kros JM, Pollo B, Pruneri G, Sciandivasci A, Munzone E, DiMeco F, Pelicci PG, Riva L, Pelicci G. Mutations targeting the coagulation pathway are enriched in brain metastases. *Sci Rep*. 2017 Jul 26;7(1):6573. doi: 10.1038/s41598-017-06811-x.
  23. Montagna E, Palazzo A, Maisonneuve P, Canello G, Iorfida M, Sciandivasci A, Esposito A, Cardillo A, Mazza M, Munzone E, Lai A, Goldhirsch A, Colleoni M. Safety and efficacy study of metronomic vinorelbine, cyclophosphamide plus capecitabine in metastatic breast cancer: A phase II trial. *Cancer Lett*. 2017 Aug 1;400:276-281. doi: 10.1016/j.canlet.2017.01.027. Epub 2017 Jan 26.
  24. Munzone E, Colleoni M. Metronomics in the neoadjuvant and adjuvant treatment of breast cancer. *Cancer Lett*. 2017 Jan 16. pii: S0304-3835(17)30026-5.
  25. Pagani O, Klingbiel D, Ruhstaller T, Nolè F, Eppenberger S, Oehlschlegel C, Bernhard J, Brauchli P, Hess

- D, Mamot C, Munzone E, Pestalozzi B, Rabaglio M, Aebi S, Ribi K, Rochlitz C, Rothgiesser K, Thürlimann B, Moos RV, Zaman K, Goldhirsch A; Swiss Group for Clinical Cancer Research (SAKK). Do all patients with advanced HER2 positive breast cancer need upfront-chemo when receiving trastuzumab? Randomized Phase III trial SAKK 22/99. *Ann Oncol*. 2016 Dec 19. pii: mdw622. doi: 10.1093/annonc/mdw622.
26. Pruneri G, Gray KP, Vingiani A, Viale G, Curigliano G, Criscitiello C, Láng I, Ruhstaller T, Gianni L, Goldhirsch A, Kammler R, Price KN, Canello G, Munzone E, Gelber RD, Regan MM, Colleoni M. Tumor-infiltrating lymphocytes (TILs) are a powerful prognostic marker in patients with triple-negative breast cancer enrolled in the IBCSG phase III randomized clinical trial 22-00. *Breast Cancer Res Treat*. 2016 Jul;158(2):323-31. doi: 10.1007/s10549-016-3863-3.
  27. Aurilio G, Sandri MT, Pruneri G, Zorzino L, Botteri E, Munzone E, Adamoli L, Facchi G, Cullurà D, Verri E, Rocca MC, Zurrada S, Iacovelli R, Nolè F. Serum HER2 extracellular domain levels and HER2 circulating tumor cell status in patients with metastatic breast cancer. *Future Oncol*. 2016 Sep;12(17):2001-8. doi: 10.2217/fon-2016-0081.
  28. Galimberti V, Taffurelli M, Leonardi MC, Aristei C, Trentin C, Cassano E, Pietribiasi F, Corso G, Munzone E, Tondini C, Frigerio A, Cataliotti L, Santini D. Surgical resection margins after breast-conserving surgery: Senonetwork recommendations. *Tumori*. 2016 Jun 2;2016(3):284-9. doi: 10.5301/tj.5000500. Review.
  29. Raimondi S, Botteri E, Munzone E, Cipolla C, Rotmensz N, DeCensi A, Gandini S. Use of beta-blockers, angiotensin-converting enzyme inhibitors and angiotensin receptor blockers and breast cancer survival: Systematic review and meta-analysis. *Int J Cancer*. 2016 Feb 24. doi: 10.1002/ijc.30062.
  30. Cazzaniga ME, Camerini A, Addeo R, Nolè F, Munzone E, Collovà E, Del Conte A, Mencoboni M, Papaldo P, Pasini F, Saracchini S, Bocci G. Metronomic oral vinorelbine in advanced breast cancer and non-small-cell lung cancer: current status and future development. *Future Oncol*. 2016 Feb;12(3):373-87. doi: 10.2217/fon.15.306. Epub 2015 Nov 19.
  31. Munzone E, Giobbie-Hurder A, Gusterson BA, Mallon E, Viale G, Thürlimann B, Ejlertsen B, MacGrogan G, Bibeau F, Lelkaitis G, Price KN, Gelber RD, Coates AS, Goldhirsch A, Colleoni M; International Breast Cancer Study Group and the BIG 1-98 Collaborative Group. Outcomes of special histotypes of breast cancer after adjuvant endocrine therapy with letrozole or tamoxifen in the monotherapy cohort of the BIG 1-98 trial. *Ann Oncol*. 2015 Dec;26(12):2442-9. doi: 10.1093/annonc/mdv391. Epub 2015 Sep 19.
  32. Colleoni M, Munzone E. Picking the optimal endocrine adjuvant treatment for pre-menopausal women. *Breast*. 2015 Nov;24 Suppl 2:S11-4. doi: 10.1016/j.breast.2015.07.004. Epub 2015 Aug 4.
  33. Munzone E, Colleoni M. Clinical overview of metronomic chemotherapy in breast cancer. *Nat Rev Clin Oncol*. 2015 Nov;12(11):631-44. doi: 10.1038/nrclinonc.2015.131. Epub 2015 Aug 4. Review.
  34. Colleoni M, Munzone E. Navigating the Challenges of Endocrine Treatments in Premenopausal Women with ER-Positive Early Breast Cancer. *Drugs*. 2015 Aug;75(12):1311-21. doi: 10.1007/s40265-015-0433-7.
  35. Gorini A, Mazzocco K, Gandini S, Munzone E, McVie G, Pravettoni G. Development and psychometric testing of a breast cancer patient-profiling questionnaire. *Breast Cancer (Dove Med Press)*. 2015 Jun 1;7:133-46. doi: 10.2147/BCTT.S80014. eCollection 2015.
  36. Aurilio G, Bagnardi V, Nolè F, Pruneri G, Graffeo R, Petit JY, Cullurà D, Martella S, Locatelli M, Iera M, Rey P, Curigliano G, Rotmensz N, Munzone E, Goldhirsch A. Outcome of Immediate Breast Reconstruction in Patients With Nonendocrine-Responsive Breast Cancer: A Monoinstitutional Case-Control Study. *Clin Breast Cancer*. 2015 Mar 24. pii: S1526-8209(15)00073-7. doi: 10.1016/j.clbc.2015.03.009.
  37. Ferrucci PF, Minchella I, Mosconi M, Gandini S, Verrecchia F, Cocorocchio E, Passoni C, Pari C, Testori A, Coco P, Munzone E. Dacarbazine in combination with bevacizumab for the treatment of unresectable/metastatic melanoma: a phase II study. *Melanoma Res*. 2015 Jun;25(3):239-45. doi: 10.1097/CMR.000000000000146.
  38. Aurilio G, Bagnardi V, Graffeo R, Nolè F, Petit JY, Locatelli M, Martella S, Iera M, Rey P, Curigliano G,

- Rotmensz N, Munzone E, Goldhirsch A. Does immediate breast reconstruction after mastectomy and neoadjuvant chemotherapy influence the outcome of patients with non-endocrine responsive breast cancer? *Anticancer Res.* 2014 Nov;34(11):6677-83.
39. Bouche G, André N, Banavali S, Berthold F, Berruti A, Bocci G, Brandi G, Cavallaro U, Cinieri S, Colleoni M, Curigliano G, Di Desidero T, Eniu A, Fazio N, Kerbel R, Hutchinson L, Ledzewicz U, Munzone E, Pasquier E, Graciela Scharovsky O, Shaked Y, Stërba J, Villalba M, Bertolini F. Lessons from the Fourth Metronomic and Anti-angiogenic Therapy Meeting, 24-25 June 2014, Milan. *Ecancermedalscience.* 2014 Sep 9;8:463. doi: 10.3332/ecancer.2014.463.
  40. Munzone E, Bagnardi V, Rotmensz N, Sporchia A, Mazza M, Pruneri G, Intra M, Sciandivasci A, Gentilini O, Luini A, Viale G, Veronesi P, Colleoni M. Prognostic relevance of peritumoral vascular invasion in immunohistochemically defined subtypes of node-positive breast cancer. *Breast Cancer Res Treat.* 2014 Aug;146(3):573-82. doi: 10.1007/s10549-014-3043-2. Epub 2014 Jul 10.
  41. Montagna E, Canello G, Dellapasqua S, Munzone E, Colleoni M. Metronomic therapy and breast cancer: a systematic review. *Cancer Treat Rev.* 2014 Sep;40(8):942-50. doi:10.1016/j.ctrv.2014.06.002. Epub 2014 Jun 18.
  42. Munzone E. Highlights from the Ninth European Breast Cancer Conference, Glasgow, 19-21 march 2014. *Ecancermedalscience.* 2014 May 6;8:426. doi: 10.3332/ecancer.2014.426
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