

Curriculum vitae

Erminia Manfrin, MD

Nata s Roverchiara (VR), ITALIA, 23 luglio 1961

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Lingua: Italiano

Aree di interesse scientifico: Patologia Mammaria, Patologia Gastroenterologica-Pancreatica, Patologia Testa Collo, Citopatologia

CV Informations

Laurea in Medicina e Chirurgia presso l'Università di Verona nel 1987, Novembre.

Diploma di Specialità in Anatomia Patologica nel 1991, luglio.

Dal 1990 ad oggi assunzione a tempo indeterminate presso Anatomia Patologica, Università di Verona

Dal 2002 ad oggi Ricercatore a tempo indeterminato presso l'Università di Verona

Dal 2015 componente della Breast Unit presso Azienda Ospedaliera Universitaria di Verona

Assistant Professor for Post Graduate for Medical Doctors and PhD Degree at the University of Verona.

Coautore di testi scientifici:

1) Trattato di Senologia. Autore: Modena S.Ed. Piccin 2006 Cap.13 Citologia-Microbiopsia

2) Anatomia Patologica e correlazioni anatomico-cliniche. Autore: Mariuzzi G.M. Ed. Piccin 2006 Vol.I Sez.1 1.6 Citopatologia Generale

Riconoscimenti

- Award as "best oral communication" to the first author of the abstract. 32 European Congress of Cytology Venice 1-4 October 2006.

Publicazioni scientifiche in riviste indicizzate anni 2011-2018

Vianello A, Vencato E, Cantini M, Zanconato G, **Manfrin E**, Zamo A, Zorzi F, Mazzi F, Martinelli N, Cavaliere E, Monari F, Venturelli D, Ferrara F, Olivieri O, De Franceschi L. Improvement of maternal and fetal outcomes in women with sickle cell disease treated with early prophylactic erythrocytapheresis. *Transfusion*. 2018 Sep;58(9):2192-2201

Crinò SF, Bernardoni L, Gabbrielli A, Capelli P, Salvia R, Rusev BC, Scarpa A, **Manfrin E**. Beyond Pancreatic Cyst Epithelium: Evidence of Ovarian-Like Stroma in EUS-Guided Through-the-Needle Micro-Forceps Biopsy Specimens. *Am J Gastroenterol*. 2018 Jul;113(7):1059-1060.

Barresi L, Crinò SF, Fabbri C, Attili F, Poley JW, Carrara S, Tarantino I, Bernardoni L, Giovanelli S, Di Leo M, **Manfrin E**, Tacelli M, Bruno MJ, Traina M, Larghi A. Endoscopic ultrasound-through-the-needle biopsy in pancreatic cystic lesions: A multicenter study. *Dig Endosc*. 2018 May 29. doi: 10.1111/den.13197. [Epub ahead of print]

Remo A, **Manfrin E**, Parcesepe P, Ferrarini A, Han HS, Mickys U, Laudanna C, Simbolo M, Malanga D, Oliveira DM, Baritono E, Colangelo T, Sabatino L, Giuliani J, Molinari E, Garonzi M, Xumerle L, Delledonne M, Giordano G, Ghimenton C, Lonardo F, D'angelo F, Grillo F, Mastracci L, Viglietto G, Ceccarelli M, Colantuoni V, Scarpa A, Pancione M. Centrosome Linker-induced Tetraploid Segregation Errors Link Rhabdoid Phenotypes and Lethal Colorectal Cancers. *Mol Cancer Res*. 2018 Sep;16(9):1385-1395

Crinò SF, Conti Bellocchi MC, Bernardoni L, **Manfrin E**, Parisi A, Amodio A, De Pretis N, Frulloni L, Gabbrielli A. Diagnostic yield of EUS-FNA of small (≤ 15 mm) solid pancreatic lesions using a 25-gauge needle. *Hepatobiliary Pancreat Dis Int*. 2018 Feb;17(1):70-74.

Peta E, Sinigaglia A, Masi G, Di Camillo B, Grassi A, Trevisan M, Messa L, Loregian A, **Manfrin E**, Brunelli M, Martignoni G, Palù G, Barzon L. HPV16 E6 and E7 upregulate the histone lysine demethylase KDM2B through the c-MYC/miR-146a-5p axis. *Oncogene*. 2018 Mar;37(12):1654-1668.

Carbognin L, Sperduti I, Fabi A, Dieci MV, Kadrija D, Griguolo G, Pilotto S, Guarneri V, Zampiva I, Brunelli M, Orvieto E, Nortilli R, Fiorio E, Parolin V, **Manfrin E**, Calì A, Nisticò C, Pellini F, Scarpa A, Pollini GP, Conte P, Tortora G, Bria E. Prognostic impact of proliferation for resected early stage 'pure' invasive lobular breast cancer: Cut-off analysis of Ki67 according to histology and clinical validation. *Breast*. 2017 Oct;35:21-26.

Remo A, Grillo F, Mastracci L, Fassan M, Sina S, Zanella C, Parcesepe P, Damiano Urso E, Pancione M, Bortuzzo G, Scarpa A, **Manfrin E**. Clear cell colorectal carcinoma: Time to clarify diagnosis. *Pathol Res Pract*. 2017 May;213(5):447-452.

Nottegar A, Luchini C, Cingarlini S, Beccari S, Grego E, Gilioli E, **Manfrin E**, Bonetti F. Pathological complete response in a patient affected by multiple synchronous, breast and lung primary malignancies: a case report and review of the literature. *Pathologica*. 2016 Dec;108(4):164-168.

Luchini C, Chilosi M, **Manfrin E**. The importance of immunohistochemistry in the differential diagnosis of molar disease. *Pathologica*. 2016 Dec;108(4):151-153

Crinò SF, Bernardoni L, **Manfrin E**, Parisi A, Gabbrielli A. Endoscopic ultrasound features of pancreatic schwannoma.

Endosc Ultrasound. **2016** Nov-Dec;5(6):396-398. doi: 10.4103/2303-9027.195873

Ficial M, Parisi A, Remo A, Vasori S, **Manfrin E**. Usefulness of breast cytology after lipofilling. Pathology. **2016** Dec;48(7):746-747. doi: 10.1016/j.pathol.2016.07.012

Luchini C, Parcesepe P, Mafficini A, Nottegar A, Parolini C, Veronese N, Remo A, **Manfrin E**. Specific expression patterns of epithelial to mesenchymal transition factors in gestational molar disease. Placenta. 2015 Oct 9. pii: S0143-4004(15)30057-6. doi: 10.1016/j.placenta.2015.09.012. [Epub ahead of print]

Giordano G, Febbraro A, Tomaselli E, Sarnicola ML, Parcesepe P, Parente D, Forte N, Fabozzi A, Remo A, Bonetti A, **Manfrin E**, Ghasemi S, Ceccarelli M, Cerulo L, Bazzoni F, Pancione M. Cancer-related CD15/FUT4 overexpression decreases benefit to agents targeting EGFR or VEGF acting as a novel RAF-MEK-ERK kinase downstream regulator in metastatic colorectal cancer. J Exp Clin Cancer Res. 2015 Oct 1;34(1):108. doi: 10.1186/s13046-015-0225-7.

D'Onofrio M, De Robertis R, Barbi E, Martone E, **Manfrin E**, Gobbo S, Puntel G, Bonetti F, Pozzi Mucelli R. Ultrasound-guided percutaneous fine-needle aspiration of solid pancreatic neoplasms: 10-year experience with more than 2,000 cases and a review of the literature. Eur Radiol. 2015 Sep 16. [Epub ahead of print]

Brunelli M, Nottegar A, Bogina G, Calìo A, Cima L, Eccher A, Vicentini C, Marcolini L, Scarpa A, Pedron S, Brunello E, Knuutila S, Sapino A, Marchiò C, Bria E, Molino A, Carbognin L, Tortora G, Jasani B, Miller K, Merdol I, Zanatta L, Laurino L, Wirtanen T, Zamboni G, Marconi M, Chilosi M, **Manfrin E**, Martignoni G, Bonetti F. Monosomy of chromosome 17 in breast cancer during interpretation of HER2 gene amplification. Am J Cancer Res. 2015 Jun 15;5(7):2212-21. eCollection 2015.

Remo A, Simeone I, Pancione M, Parcesepe P, Finetti P, Cerulo L, Bensmail H, Birnbaum D, Van Laere SJ, Colantuoni V, Bonetti F, Bertucci F, **Manfrin E**, Ceccarelli M. Systems biology analysis reveals NFAT5 as a novel biomarker and master regulator of inflammatory breast cancer. J Transl Med. 2015 May 1;13:138.

Luchini C, Parcesepe P, Nottegar A, Parolini C, Mafficini A, Remo A, Chilosi M, **Manfrin E**. CD71 in Gestational Pathology: A Versatile Immunohistochemical Marker With New Possible Applications. Appl Immunohistochem Mol Morphol. 2015 Apr 21. [Epub ahead of print]

Remo A, Pancione M, Zanella C, **Manfrin E**. p16 Expression in Prostate Cancer and Nonmalignant Lesions: Novel Findings and Review of the Literature. *Appl Immunohistochem Mol Morphol*. 2015 Apr 21. [Epub ahead of print]

Bria E, Furlanetto J, Carbognin L, Brunelli M, Caliollo C, Nortilli R, Massari F, Pedron S, **Manfrin E**, Pellini F, Bonetti F, Sperduti I, Pollini GP, Scarpa A, Tortora G. Human epidermal growth factor receptor 2-positive breast cancer: heat shock protein 90 overexpression, Ki67 proliferative index, and topoisomerase II- α co-amplification as predictors of pathologic complete response to neoadjuvant chemotherapy with trastuzumab and docetaxel. *Clin Breast Cancer*. 2015 Feb;15(1):16-23

Manfrin E, Remo A, Pancione M, Cannizzaro C, Falsirollo F, Pollini GP, Pellini F, Molino A, Brunelli M, Vendraminelli R, Ceccarelli M, Pagnotta SM, Simeone I, Bonetti F. Comparison between invasive breast cancer with extensive peritumoral vascular invasion and inflammatory breast carcinoma: a clinicopathologic study of 161 cases. *Am J Clin Pathol*. 2014 Sep;142(3):299-306.

Pancione M, Giordano G, Remo A, Febbraro A, Sabatino L, **Manfrin E**, Ceccarelli M, Colantuoni V. Immune escape mechanisms in colorectal cancer pathogenesis and liver metastasis. *J Immunol Res*. 2014;2014:686879.

Pancione M, Remo A, Zanella C, Sabatino L, Di Blasi A, Laudanna C, Astatì L, Rocco M, Bifano D, Piacentini P, Pavan L, Purgato A, Greco F, Talamini A, Bonetti A, Ceccarelli M, Vendraminelli R, **Manfrin E**, Colantuoni V. The chromatin remodelling component SMARCB1/INI1 influences the metastatic behavior of colorectal cancer through a gene signature mapping to chromosome 22. *J Transl Med*. 2013 Nov 28;11:297. doi: 10.1186/1479-5876-11-297.

Pagnotta SM, Laudanna C, Pancione M, Sabatino L, Votino C, Remo A, Cerulo L, Zoppoli P, **Manfrin E**, Colantuoni V, Ceccarelli M. Ensemble of gene signatures identifies novel biomarkers in colorectal cancer activated through PPAR γ and TNF α signaling. *PLoS One*. 2013 Aug 19;8(8):e72638. doi: 10.1371/journal.pone.0072638. eCollection 2013.

Brunelli M, **Manfrin E**, Bria E, Massari F, Tortora G, Brunello E, Carbognin L, Nottegar A, Furlanetto J, Molino A, Fiorio E, Chilosi M, Jasani B, Vergine M, Marcolini L, Filippini D, Scarpa A, Martignoni G, Bonetti F; Members of Veneto Region - Pathology Screening Group HER2/neu

gene determination in women screened for breast carcinoma: how screening programs reduce the skyrocketing cost of targeted therapy. *Anticancer Res.* 2013 Sep;33(9):3705-10

Remo A, Zanella C, Pancione M, Astatì L, Piacentini P, Cingarlini S, Bonetti A, Micheletto C, Talamini A, Chilosi M, Vendraminelli R, **Manfrin E**. Lung metastasis from TTF-1 positive sigmoid adenocarcinoma. pitfalls and management. *Pathologica.* 2013 Apr;105(2):69-72

Brunello E, Bogina G, Bria E, Vergine M, Zamboni G, Pedron S, Daniele I, Furlanetto J, Carbognin L, Marconi M, **Manfrin E**, Ibrahim M, Miller K, Tortora G, Molino A, Jasani B, Beccari S, Bonetti F, Chilosi M, Martignoni G, Brunelli M. The identification of a small but significant subset of patients still targetable with anti-HER2 inhibitors when affected by triple negative breast carcinoma. *J Cancer Res Clin Oncol.* 2013 Sep;139(9):1563-8

De Robertis R, D'Onofrio M, **Manfrin E**, Dal Bo C, Pozzi Mucelli R. A rare case of pancreatic head splenosis diagnosed by contrast-enhanced ultrasound. *Ultraschall Med.* 2014 Feb;35(1):72-4.

Pancione M, Remo A, Sabatino L, Zanella C, Votino C, Fucci A, Di Blasi A, Lepore G, Daniele B, Fenizia F, Molinari E, Normanno N, **Manfrin E**, Vendraminelli R, Colantuoni V. Right-sided rhabdoid colorectal tumors might be related to the serrated pathway. *Diagn Pathol.* 2013 Feb 20;8:31doi: 10.1186/1746-1596-8-31

Brunello E, Brunelli M, Bogina G, Calì A, **Manfrin E**, Nottesgar A, Vergine M, Molino A, Bria E, Massari F, Tortora G, Cingarlini S, Pedron S, Chilosi M, Zamboni G, Miller K, Martignoni G, Bonetti F. FGFR-1 amplification in metastatic lymph-nodal and haematogenous lobular breast carcinoma. *J Exp Clin Cancer Res.* 2012 Dec 27;31:103doi: 10.1186/1756-9966-31-103

D'Onofrio M, Gallotti A, Mantovani W, Crosara S, **Manfrin E**, Falconi M, Ventriglia A, Zamboni GA, Manfredi R, Pozzi Mucelli R. Perfusion CT can predict tumoral grading of pancreatic adenocarcinoma. *Eur J Radiol.* 2013 Feb;82(2):227-33

Manfrin E, Remo A, Falsirollo F, Pollini GP, Parisi A, Nottesgar A, Bonetti F. Intra-operative frozen section technique for breast cancer: end of an era. *Pathologica.* 2011 Dec;103(6):325-30

Brunello E, Brunelli M, **Manfrin E**, Nottegar A, Bersani S, Vergine M, Molino A, Fiorio E, Chilosi M, Gobbo S, Martignoni G, Bonetti F. Classical lobular breast carcinoma consistently lacks topoisomerase-II α gene amplification: implications for the tailored use of anthracycline-based chemotherapies. *Histopathology*. 2012 Feb;60(3):482-8.

Remo A, Zanella C, Molinari E, Talamini A, Tollini F, Piacentini P, Battaglia P, Baritono E, Bonetti A, Lanza F, Fasolin A, **Manfrin E**, Vendraminelli R. Rhabdoid carcinoma of the colon: a distinct entity with a very aggressive behavior: a case report associated with a polyposis coli and review of the literature. *Int J Surg Pathol*. 2012 Apr;20(2):185-90.

Bogina G, Bortesi L, Marconi M, Venturini M, Lunardi G, Coati F, Massocco A, **Manfrin E**, Pegoraro C, Zamboni G. Comparison of hormonal receptor and HER-2 status between breast primary tumours and relapsing tumours: clinical implications of progesterone receptor loss. *Virchows Arch*. 2011 Jul;459(1):1-10.

Girardi V, Carbognin G, Camera L, Bonetti F, **Manfrin E**, Pollini G, Pozzi Mucelli R. Inflammatory breast carcinoma and locally advanced breast carcinoma: characterization with MR imaging. *Radiol Med*. 2011 Feb;116(1):71-83.

Oral communications and posters:

30 Oral communications and more than 50 abstracts presented in international congresses.

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