

Responsabile prof.ssa Valeria Santini

Professionisti coinvolti nel percorso di diagnosi e cura

- anatomo-patologo
- citogenetista e biologo molecolare
- citofluorimetrista
- trapiantologo
- trasfusioneista
- cardiologo
- geriatra
- internista
- infettivologo
- radiologo

Questa Unit afferisce al Dipartimento Oncologico e di chirurgia ad indirizzo robotico e si occupa di diagnosi e cura delle sindromi mielodisplastiche (MDS), in ottica multidisciplinare, multiprofessionale e di rete che comprende le strutture di secondo livello AOUC, lo specialista territoriale, il MMG del paziente e, se previsto, l'ambito territoriale dell'Area Vasta.

Funzioni

- organizzare l'assistenza al paziente migliorando i servizi in una prospettiva multidisciplinare, attraverso un gruppo di professionisti costituito dai referenti per le discipline specialistiche coinvolte, favorendo il lavoro di squadra e l'integrazione tra le professionalità
- assicurare il costante adeguamento dei modelli organizzativi, trasferendo nella pratica clinica le più aggiornate esperienze e competenze, finalizzate all'impiego delle risorse secondo criteri di efficacia, efficienza ed economicità
- promuovere e verificare l'applicazione di protocolli e linee guida, anche relativi a terapie innovative
- collaborare alla realizzazione di percorsi formativi
- sviluppare specifici progetti nell'ambito della ricerca

Percorso

visita, anamnesi e valutazione comorbidità del paziente e Comprehensive Geriatric Assessment (CGA), in collaborazione con geriatri e cardiologi
 aspirato e biopsia osteomidollare con studio di funzioni d'organo, citogenetico e molecolare (quest'ultimo in casi selezionati), in collaborazione con anatomo-patologi
 proposta terapeutica previa valutazione con la Continuità assistenziale extraospedaliera, medici internisti e geriatri
 creazione di un percorso preferenziale con la Medicina trasfusionale
 controllo e follow up

Ricerca

Ricerche traslazionali di ematologia sperimentale finanziati da enti pubblici e privati, italiani e internazionali:

- Responsabile scientifico locale nel Progetto cofinanziamento PRIN-MIUR (coordinatore F.Mandelli) Secondi messengeri nella maturazione ed

apoptosi delle cellule di leucemia mieloide acuta. Possibile bersaglio terapeutico?
01/01/1998 - 01/01/1999

- Responsabile scientifico locale nel Progetto cofinanziamento PRIN-MIUR (coordinatore G.Saglio) Ipermetilazione del DNA nella progressione di malattia e nel follow up della leucemia mieloide cronica. 01/01/1999 - 01/01/2001
- Responsabile scientifico locale nel Progetto cofinanziamento PRIN-MIUR (coordinatore M. Baccarani) Ruolo dell'ipossia e dell'oncogene fes nel controllo della crescita e nella resistenza al trattamento nella leucemia mieloide cronica. 01/01/2001 - 01/01/2003
- Responsabile scientifico locale nel Progetto cofinanziamento PRIN-MIUR (coordinatore G.Leone) Profilo molecolare delle alterazioni epigenetiche in mielodisplasie ad alto rischio: azione specifica di diversi inibitori delle istone deacetilasi. 01/01/2005 - 01/01/2007
- Principal investigator: Bando Salute Regione Toscana- MDS proteomics: clinical significance of modifications in protein expression in bone marrow CD34+ cells from MDS patients. 01/01/2009 - 01/01/2011
- Principal investigator: Grant Ente Cassa di Risparmio di Firenze- Analisi modificazioni funzionali e molecolari in cellule midollari mielodisplastiche prima e dopo trattamento con azacitidina. 01/01/2011 - 01/01/2013
- Leukemia and Lymphoma Society (LLS) Translational Research grant TRP-6016-14 (collaboratore locale; coordinatore Dr Maria Figueroa). 01/01/2013 - 01/01/2015
- Principal investigator: Grant Ente Cassa di Risparmio di Firenze- Alterazioni molecolari nella risposta ad azacitidina in pazienti con sindrome mielodisplastica. 01/01/2013 - 01/01/2015
- Principal investigator: AIRC -Investigator Grant - IG 2015 biennale- Title: Mechanisms of resistance to hypomethylating agents in myelodysplastic syndromes. 01/01/2015
- Coordinatore internazionale in qualità di uno dei tre key opinion leaders del WP-2 per MDS del progetto europeo finanziato da EU: "HARMONY European Network of Excellence". 2017

Publicazioni

Publicazioni degli ultimi 5 anni:

- Buckstein R, Balleari E, Wells R, Santini V, Sanna A, Salvetti C, Crisà E, Allione B, Danise P, Finelli C, Clavio M, PA, Salvi F, Cilloni D, Oliva EN, Musto P, Houston B, Zhu N, Geddes M, Leitch H, Leber B, Sabloff M, Nevill TJ, Yee K, Storrington JM, Francis J, Maurillo L, Latagliata R, Spiriti MAA, Andriani A, Piccioni AL, Fianchi L, Fenu S, Gumenyuk S, Buccisano F. **ITACA: A New Validated International Erythropoietic Stimulating Agent Response Score that Further Refines the Predictive Power Previous Scoring** AmJ2017Jul 4.doi:[Epub ahead of print] PubMedPMID
- Santini V, Allione B, Zini G, Gioia D, Lunghi M, PA, Cilloni D, Sanna A, Masiera E,

Ceccarelli M, Abdel Wahab O, Terenzi A, Angelucci E, Finelli C, Onida F, Pelizzari A, Ferrer D, Saglio G, Figueroa M, Levis A. **Aphase II, Multicentre trial of decitabine in higher-risk chronic myelomonocytic leukemia.** *Leukemia.* 2017 Jun 13. doi: 10.1038/leu.2017.186.[Epub ahead of print] PubMed PMID: 28607470

- Valencia-Martinez A, Sanna A, Masala E, CE, Br A, Gozzini A, Santini V. **Mutated ASXL1 and number of somatic mutations as possible indicators of progression to chronic myelomonocytic leukemia of myelodysplastic syndromes with single multilineage dysplasia** *Haematologica.* 2017 May 18. pii: haematol 2017.166124. doi: 10.3324/haematol.2017.166124 [Epub ahead of print] PubMed PMID: 28522578
- Musto P, Maurillo L, Simeon V, PA, Finelli C, Balleari E, Ricc A, Rivellini F, CA, Tarantini G, Villani O, Mansueto G, Milella MR, Scapicchio D, Marziano G, Breccia M, Niscola P, Sanna A, Clissa C, VMT, Fenu S, Venditti A, Santini V, Angelucci E, Levis A. **Iron-chelating therapy with deferasirox in transfusion-dependent, higher risk myelodysplastic syndromes: a retrospective, multicentre study.** *Br J Haematol.* 2017 Jun; 177(5):741-750. doi:10.1111/bjh.14621. Epub 2017 Apr 17. PubMed PMID: 28419408
- Park S, Hamel JF, TA, Kelaidi C, Thépot S, Campelo MD, Santini V, Sekeres MA, Balleari E, Kaivers J, Sapena R, Götze K, Müller-Thomas C, Beyne-Rauzy O, Stamatoullas A, Kotsianidis I, Komrokji R, Steensma DP, Fensterl J, RGJ, Bernal T, Ramos, Calabuig M, Guerci-Bresler A, BD, CP, Cheze S, Wattel E, RC, Vey N, Gioia D, Ferrer D, Gaidano G, Cametti G, Pane F, Sanna A, Germing U, Sanz GF, Dreyfus F, Fenaux P. **Outcome of Lower-Risk Patients With Myelodysplastic Syndromes Without 5q Deletion After Failure of Erythropoiesis - Stimulating Agents.** *J Clin oncol.* 2017 May 10;35(14):1591-1597. doi: 10.1200/JCO.2016.71.3271. Epub 2017 Mar 28. PubMed PMID: 28350519.
- Della Porta MG, Jackson CH, Alessandrino EP, RM, Bacigalupo A, van Lint MT, Bernardi M, Allione B, BA, Guidi S, Santini V, Malcovati L, Ubezio M, Milanese C, TE, VMT, Musto P, Onida F, IAP, Cerretti R, Grillo G, Molteni A, Pioltelli P, BL, Angelucci E, Oldani E, Sica S, Pascutto C, Ferretti V, Santoro A, BF, Cazz M, Rambaldi A. **Decision analysis of allogeneic hematopoietic stem cell transplantation for patients with myelodysplastic syndrome stratified according to the revised International Prognostic Scoring System.** *Leukemia.* 2017 Apr 7. doi:10.1038/leu.2017.88.[Epub ahead of print] PubMed PMID: 28321120.
- Valardo R, Raiola AM, Di Grazia C, Aquino S, Beltrami G, Bregante S, Cruciani F, Dominietto A, Ghiso A, Giannoni L, Gualandi F, Ibatici A, Lamparelli T, Marani C, Van Lint MT, Santini V, Bacigalupo A, Angelucci E. **Haploidentical bone marrow transplantation in patients with advanced myelodysplastic syndrome.** *Am J Hematol.* 2017 Jun;92(6):E117-E119. doi: 10.1002/ajh.24725. Epub 2017 Apr 29. PubMed PMID: 28316085.
- Oliva EN, Alati C, Santini V, Poloni A, Molteni A, Niscola P, Salvi F, Sanpaolo G,

- Balleari E, Germing U, Fenaux P, Stamatoullas A, Palumbo GA, Salutari P, Impera S, Avanzini P, Cortelezzi A, Liberati AM, Carluccio P, Buccisano F, Voso MT, Mancini S, Kulasekararaj A, Morabito F, Bocchia M, Cufari P, Spiriti MA, Santacaterina I, D'Errigo MG, Bova I, Zini G, Latagliata R. **Eltrombopag versus placebo for low-risk myelodysplastic syndromes with thrombocytopenia (EQoL-MDS): phase 1 results of a single-blind, randomised, controlled, phase 2 superiority trial.** *Lancet Haematol.* 2017 Mar;4(3):e127-e136. doi: 10.1016/S2352-3026(17)30012-1. Epub 2017 Feb 3. PubMedPMID: 28162984
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 - Almeida A, Fenaux P, List AF, Raza A, Platzbecker U, Santini V. **Recent advances in the treatment of lower-risk-non-del (5q) myelodysplastic syndromes (MDD).** *Leuk Res.* 2017 Jan;52:50-57. doi:10.1016/j.leukres.2016.11.008. Epub 2016 Nov 13. Review. PubMedPMID: 27883945
 - Negro E, Radivoyevitch T, Polprasert C, Adema V, Hosono N, Makishima H, Przychodzen B, Hirsch C, Clemente MJ, Nazha A, Santini V, McGraw KL, List AF, Sole F, Sekeres MA, Maciejewski JP. **Molecular predictors of response in patients with myeloid neoplasms treated with lenadomide.** *Leukemia* 2016 Dec;30(12):2405-2409. doi:10.1038/leu.2016.228 Epub 2016 Aug 18. PubMedPMID: 27560106;PubMedCentral PMCID:PMC5143200.
 - Santini V, Almeida A, Giagounidis A, Gröpper S, Jonasova A, Vey N, Mufti GJ, Buckstein R, Mittelman M, Platzbecker U, Shpilberg O, Ram R, Del Cañizo C, Gattermann N, Ozawa K, Risueño A, MacBeth KJ, Zhong J, Séguy F, Hoenekopp A, Beach CL, Fenaux P. **Randomized Phase III Study of Lenalidomide Versus Placebo in RBC Transfusion-Dependent Patients With Lower-Risk-Non-del(5q) Myelodysplastic Syndromes and Ineligible of Refractory to Erythropoiesis-Stimulating Agents.** *J Clin Oncol* 2016 Sep 1;34(25):2988-96. doi:10.1200/JCO.2015.66.0118. Epub 2016 Jun 27. PubMedPMID:27354480.
 - Garcia-Manero G, Almeida A, Giagounidis A, Platzbecker U, Garcia R, Voso MT, Larsen SR, Valcarcel D, Silverman LR, Skikne B, Santini V. **Design and rationale of theQUAZAR Lower-Risk MDS(AZA-MDS-003) trial:a randomized phase 3 study of CC-486 (oral azacitidine) plus best supportive care vs placebo plus best supportive care in patients with IPSS lower-risk myelodysplastic syndromes and poor prognosis due to red blood cell transfusion-dependent anemia and Trombocytopenia.** *BMC Hematol* 2016 May 3;16:12. doi: 10.1186/s12878-016-0049-5 eCollection 2016. PubMed PMID: 27148452; PubMedCentral PMCID:PMC4855808.
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myelodysplastic syndromes.

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