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Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Biology, Turkey 2016 - 2022

Postgraduate, Ankara University, Sağlık Bilimleri Enstitüsü, Hemapheresis, Turkey 2003 - 2006

Undergraduate, Ankara University, Fen Fakültesi, Biyoloji Bölümü, Turkey 1998 - 2002

Dissertations

Doctorate, Phosphatidylserine (PS) and Tyro3-axl-Mertk (TAM) Receptor Tyrosine Kinase (RTK) levels detection from blood and exosomes in Chronic Lymphocytic Leukemia (CLL), Ankara University, Fen Bilimleri Enstitüsü, Biology, 2022

Postgraduate, The effect of needle diameter on hematopoietic stem cell viability in hematopoietic stem cell applications (Ex-vivo experimental study), Ankara University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2006

Research Areas

Health Sciences, Natural Sciences

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Phosphatidylserine and Tyro3-Axl-Mertk Receptor Tyrosine Kinase level detection in plasma and on plasma-derived extracellular vesicle surface in chronic lymphocytic leukemia**
Bay M., Cengiz Seval G., Coşkun Ö., Gurman G., Özsoy Erdaş N.
CELL BIOCHEMISTRY AND FUNCTION, no.4, 2024 (SCI-Expanded)
- II. **A CD34+Cell Enrichment Protocol of Hematopoietic Stem Cells in a Well-Established Quality Management System**
Kılıç P., Bay M., Yildirim Y., Coskun Ö., Seker Ş., Baydın P., Ulker O. L., Parmaksız M., Çubukçuoğlu Deniz G., Yilmazer Aktuna A., et al.
CELLS TISSUES ORGANS, vol.207, no.1, pp.15-20, 2019 (SCI-Expanded)
- III. **Comparison of the methods evaluating post thawing viability of peripheral blood stem cell graft**
Varan H. D., Bay M., Ozturk A., DALVA K., İLHAN O.
TRANSFUSION AND APHERESIS SCIENCE, vol.58, no.2, pp.192-195, 2019 (SCI-Expanded)

- IV. **Therapeutic plasmapheresis in geriatric patients: Favorable results**
Ataca P., Marasuna O. A., Ayyildiz E., Bay M., İLHAN O.
TRANSFUSION AND APHERESIS SCIENCE, vol.51, no.3, pp.64-67, 2014 (SCI-Expanded)
- V. **Therapeutic plasma exchange in treatment of neuroimmunologic disorders: Review of 92 cases**
SORGUN M. H., ERDOĞAN S., Bay M., Ayyildiz E., Yucemen N., Iihan O., YÜCESAN C.
TRANSFUSION AND APHERESIS SCIENCE, vol.49, no.2, pp.174-180, 2013 (SCI-Expanded)
- VI. **Adsorptive Leukocytapheresis in Inflammatory Bowel Diseases: Our Preliminary Results are Encouraging**
TÖRÜNER M., TOPRAK S. K., Mizrak K., Yildirim Y., Bay M., Ayyildiz E., İLHAN O.
TURKISH JOURNAL OF HEMATOLOGY, vol.30, no.2, pp.219-220, 2013 (SCI-Expanded)
- VII. **rHuEPO Hyporesponsiveness and Related High Dosages Are Associated with Hyperviscosity in Maintenance Hemodialysis Patients**
Uyar M. E., TOPRAK S. K., Saglam H., Tural E., Bay M., İLHAN O., Bal Z., Sezer S.
SCIENTIFIC WORLD JOURNAL, 2013 (SCI-Expanded)
- VIII. **Older age and capacity of colony forming unit in autologous peripheral derived hematopoietic cells**
CİVRİZ BOZDAĞ S., Bay M., Ayyildiz E., Topcuoglu P., İlhan O.
TRANSFUSION AND APHERESIS SCIENCE, vol.47, no.1, pp.113-116, 2012 (SCI-Expanded)
- IX. **Impact of age and diagnosis on viability during centrifugation and cryopreservation of peripheral blood stem cell products**
CİVRİZ BOZDAĞ S., Bay M., Ayyildiz E., Topcuoglu P., İlhan O.
TRANSFUSION AND APHERESIS SCIENCE, vol.47, no.1, pp.117-120, 2012 (SCI-Expanded)
- X. **The effect of CD34 count and clonogenic potential of hematopoietic stem cells on engraftment**
Sari T., YÜKSEL M., TOPÇUOĞLU P., Tol M., Ayyildiz E., ÖZCAN M., İLHAN O.
TRANSFUSION AND APHERESIS SCIENCE, vol.43, no.3, pp.315-320, 2010 (SCI-Expanded)
- XI. **The Effect of Chronic Cadmium Toxicity on Blood Pressure and Plasma Viscosity**
Kocak M. K., YAZIHAN N., Akcil E., Bay M., Aslan O.
PATHOPHYSIOLOGY OF HAEMOSTASIS AND THROMBOSIS, vol.37, no.2-4, pp.82-87, 2009 (SCI-Expanded)
- XII. **Comparison of different needle diameters and flow rates on bone marrow mononuclear stem cell viability: an ex vivo experimental study**
Tol M., AKAR A. R., Durdu S., Ayyildiz E., İlhan O.
CYTOTHERAPY, vol.10, no.1, pp.98-99, 2008 (SCI-Expanded)
- XIII. **Impact of harvest product volume in erythrocyte depletion of allogeneic or autologous bone marrow using COBE spectra**
Soydan E., Ayyildiz E., Dalva K., Topcuoglu P., Tol M., Arslan O., İlhan O., Arat M.
TRANSFUSION AND APHERESIS SCIENCE, vol.36, no.3, pp.269-273, 2007 (SCI-Expanded)
- XIV. **The effect of extracorporeal photoimmunotherapy (ECP) on serum TNF-a level in chronic graft versus host disease (GvHD)**
Ayyildiz E., Arslan O., Topcuoglu P., Arat M., Dalva K., Soydan E. A., Tol M., İlhan O.
TRANSFUSION AND APHERESIS SCIENCE, vol.36, no.1, pp.79-85, 2007 (SCI-Expanded)
- XV. **Impact of product volume in erythrocyte depletion of bone marrow harvest using Cobe spectra.**
Ayyildiz E., Soydan E., Gokce S., Yildirim Y., Tol M., Arat M., Arslan O., İlhan O.
CYTOTHERAPY, vol.8, 2006 (SCI-Expanded)
- XVI. **The effect of needle diameter on hematopoietic stem cell viability in hematopoietic stem cell applications (ex vivo experimental study).**
Tol M., AKAR A. R., Durdu S., Ayyildiz E., Topcuoglu P., YÜKSEL M., Soydan E., Arat M., Arslan O., İlhan O.
CYTOTHERAPY, vol.8, 2006 (SCI-Expanded)
- XVII. **Allogeneic Hemapoietic Progenitor Cell Collection Using Four Different Cell Separators: A Retrospective Comparative Analysis.**
Arat M., Arslan O., Soydan E. A., Ayyildiz E., Dalva K., Tol M., Ozcan M., Gürman G., Demirer T., Akan H., et al.
BLOOD, vol.104, no.11, pp.5009, 2004 (SCI-Expanded)
- XVIII. **Effects of replacement fluids used for therapeutic plasma exchange on plasma viscosity and plasma**

oncotic pressure

Tek I., Arslan O., Arat M., Ayyildiz E., Tol M., Oral M., İlhan O.

TRANSFUSION AND APHERESIS SCIENCE, vol.31, no.2, pp.89-93, 2004 (SCI-Expanded)

Articles Published in Other Journals

I. Utility investigation of automated techniques in hematopoietic progenitor cell count and viability assessment in the Good Manufacturing Practice (GMP) setting

Kılıç P., Bay M., Baydın P., Şeker Ş., Coşkun Ö., Ülker O. L., Parmaksız M., Bitirim C. V., Cevheroğlu O., Deniz G. C., et al.
Experimental Biomedical Research, vol.3, no.4, pp.231-238, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Phosphatidylserine (PS) and Tyro3-Axl-Mertk (TAM) Receptor Tyrosine Kinase (RTK) Levels Detection and Exosomes Surface in Chronic Lymphocytic Leukemia (CLL)

Bay M., Cengiz Seval G., Coşkun Ö., Gürman G., Özsoy Erdaş N.

International Congress of Health Research , Ankara, Turkey, 8 - 09 December 2022, pp.33-34

II. s it possible to overcome the catastrophic complications of Hematopoietic Stem Cell Transplantation HSCT using Plasma Exchange PE A Single Center s Experience

YÜKSEL M., Gultekin G., Edipoglu E., Bay M., CİVRİZ BOZDAĞ S., TOPRAK S. K., TOPÇUOĞLU P., ARSLAN Ö., ÖZCAN M., BEKSAÇ M., et al.

41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, 22 - 25 March 2015

III. Are there any optimal cell doses for graft repopulation in the Bone Marrow-Derived Allogeneic Hematopoietic Stem Cell Transplantations?

Ataca P., Atilla E., Altas U., Bay M., Dalva K., CİVRİZ BOZDAĞ S., TOPRAK S. K., YÜKSEL M., Topcuoglu P., Arslan O., et al.

41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50

IV. Is it possible to overcome the catastrophic complications of Hematopoietic Stem Cell Transplantation (HSCT) using Plasma Exchange (PE)?: A Single Center's Experience

YÜKSEL M., Pekcan G., Ediboglu E., Bay M., Civriz S., TOPRAK S. K., Topcuoglu P., Arslani O., Ozcan M., Beksac M., et al.

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V. Is there an optimum CD3+T cell dose for donor lymphocyte infusion?

CİVRİZ BOZDAĞ S., Kircali E., Ataca P., Atilla E., Bay M., TOPRAK S. K., YÜKSEL M., Topcuoglu P., Arslan O., Ozcan M., et al.

41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50, pp.5598

VI. Graft content and engraftment relationship in allogeneic bone marrow transplantation

CİVRİZ BOZDAĞ S., Topcuoglu P., Bay M., Ayyildiz E., Arslan O., Beksac M., GÜRMAN G., İlhan O.

39th Annual Meeting of the European-Group-for-Blood-and-Marrow-Transplantation (EBMT), London, Canada, 7 - 10 April 2013, vol.48

VII. FACTORS INFLUENCING HYPERVISCOSITY IN MAINTENANCE HEMODIALYSIS PATIENTS

Uyar M. E., TOPRAK S. K., Saglam H., Tural E., Bay M., İLHAN O., Sezer S.

49th Congress of the European-Renal-Association/European-Dialysis-and-Transplant-Association (ERA-EDTA), Paris, France, 24 - 27 May 2012, vol.27, pp.516

VIII. Quantification of mesenchymal stem cells in grafts adds to the benefits of haematopoietic stem cell and T-cell analysis in prediction of the duration of aplasia but not probability of acute graft-versus-host disease: preliminary results

Dalva K., Ozcelik T., Tol M., Ayyildiz E., Ersoy H., Ertem M., İKİNCİOĞULLARI K. A., İlhan O., BEKSAÇ M.
35th Annual Meeting of the European-Group-for-Blood-and-Marrow-Transplantation, Goteborg, Sweden, 29 March
- 01 April 2009, vol.43

- IX. **Risk of bacterial contamination at autologous peripheral blood stem cell collection and infusion**
Yilmaz A., Ayyildiz E., Bay M., Azap A., GÜRMAN G., Arslan O., İlhan O., Arat M.
35th Annual Meeting of the European-Group-for-Blood-and-Marrow-Transplantation, Goteborg, Sweden, 29 March
- 01 April 2009, vol.43
- X. **Impact of harvest product volume in erythrocyte depletion of allogeneic or autologous bone marrow using COBE spectra**
SOYDAN e., AYYILDIZ E., DALVA K., TOPÇUOĞLU P., TOL M., ARSLAN Ö., İLHAN O., ARAT M.
15th Congress of the Interdisciplinary-European-Society-for-Haemapheresis-and-Haemotherapy, 5 - 09 October
2005
- XI. **Allogeneic hemapoietic progenitor cell collection using four different cell separators: A retrospective comparative analysis.**
Arat M., Arslan O., Soydan E., Ayyildiz E., Dalva K., Tol M., Ozcan M., GÜRMAN G., Demirer T., Akan H., et al.
46th Annual Meeting of the American-Society-of-Hematology, California, United States Of America, 4 - 07 December
2004, vol.104
- XII. **Hemapheresis-related early complications during peripheral blood stem cell collections**
Ayyildiz E., Arat M., Arslan O., Tek I., Gurpınar S., Yildirim S., Mizrak K., Tol M., İlhan O.
29th Annual Meeting of the European Group for Blood and Marrow Transplantation/19th Meeting of the EBMT
Nurses Group/2nd Meeting of the EBMT Data Management Group, İstanbul, Turkey, 23 - 26 March 2003, vol.31
- XIII. **Comparison of four different cell separators used at allogeneic hemapoietic progenitor cell collection**
Arat M., Arslan O., Ayyildiz E., Tol M., İlhan O.
29th Annual Meeting of the European Group for Blood and Marrow Transplantation/19th Meeting of the EBMT
Nurses Group/2nd Meeting of the EBMT Data Management Group, İstanbul, Turkey, 23 - 26 March 2003, vol.31
- XIV. **Analysis of stem cell content and T-cell subsets in allogeneic peripheral stem cell harvest**
Arslan O., Arat M., Ayyildiz E., Dalva K., Kabacam G., Tol M., İlhan O.
29th Annual Meeting of the European Group for Blood and Marrow Transplantation/19th Meeting of the EBMT
Nurses Group/2nd Meeting of the EBMT Data Management Group, İstanbul, Turkey, 23 - 26 March 2003, vol.31