

# Prof. DİJLE KİPMEN KORGUN

## Personal Information

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## Education Information

Doctorate, Akdeniz University, Faculty Of Medicine, Tıbbi Biyokimya , Turkey 1999 - 2005

## Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry

## Academic Titles / Tasks

Professor, Akdeniz University, Faculty of Medicine, Department of Basic Medical Sciences, 2019 - Continues

Associate Professor, Akdeniz University, Faculty of Medicine, Department of Basic Medical Sciences, 2015 - Continues

Assistant Professor, Akdeniz University, Faculty of Medicine, Department of Basic Medical Sciences, 2010 - Continues

## Advising Theses

KİPMEN KORGUN D., Sıçanlarda kronik böbrek yetmezliğinin progresyonunda adiponektin etki mekanizması ve bu mekanizma üzerine plasenta kaynaklı mezenkimal kök hücrelerin etkisi, Postgraduate, E.Akan(Student), 2017

KİPMEN KORGUN D., Gestasyonel diyabette mikroRNA-223ün plasentadaki ekspresyonunun değerlendirilmesi, Postgraduate, S.Doğru(Student), 2015

KİPMEN KORGUN D., Büyüme Geriliği Oluşturulmuş Sıçanlarda Adiponektinin Plasental Gelişimdeki Rolü, Postgraduate, A.Erdoğan(Student), 2012

KİPMEN KORGUN D., Diyabetik Sıçanların Plasental Gelişiminde Adiponektinin Rolü, Postgraduate, Z.Avcil(Student), 2012

## Published journal articles indexed by SCI, SSCI, and AHCI

- Effects of transcranial direct current stimulation on the glutamatergic pathway in the male rat hippocampus after experimental focal cerebral ischemia**  
Akçay G., AYDIN ASLAN M., KİPMEN KORGUN D., Çeker T., Akan E., DERİN N.  
Journal of Neuroscience Research, vol.102, no.1, 2024 (SCI-Expanded)
- Human placental trophoblast progenitor cells (hTPCs) promote angiogenesis and neurogenesis after focal cerebral ischemia in rats.**  
MOLBAY M., OZAYDIN-GOKSU E., Kipmen-Korgun D., ÜNAL A., Ozekinci M., CEBECİ E., Maltepe E., KORGUN E. T.  
The International journal of neuroscience, vol.132, no.3, pp.258-268, 2022 (SCI-Expanded)
- Therapeutic Effects of Transcranial Direct Current Stimulation on Learning Changes and Glutamate Level Regulation After Experimental Cerebral Ischemia**

- AKÇAY G., DERİN N., Aslan M., KİPMEN KORGUN D.  
ACTA PHYSIOLOGICA, vol.234, pp.34, 2022 (SCI-Expanded)
- IV. **The effect of adiponectin and its receptors in placental development of diabetic rats**  
AVCİL Z., BİLMEN S., Hanikoglu A., KORGUN E. T., KİPMEN KORGUN D.  
BIOLOGIA, vol.76, no.6, pp.1873-1885, 2021 (SCI-Expanded)
- V. **Does fresh or frozen embryo transfer affect imprinted gene expressions in human term placenta?**  
Ozmen A., KİPMEN KORGUN D., Isenlik B. S., ERMAN M., SAKINCI M., Berkkanoglu M., Coetzee K., Ozgur K., Cetindag E., Yanar K., et al.  
ACTA HISTOCHEMICA, vol.123, no.3, 2021 (SCI-Expanded)
- VI. **Effects of amnion derived mesenchymal stem cells on fibrosis in a 5/6 nephrectomy model in rats**  
AKAN E., Cetinkaya B., Kipmen-Korgun D., Ozmen A., KÖKSOY S., Mendilcioglu İ. İ., SAKINCI M., SÜLEYMANLAR G., KORGUN E. T.  
BIOTECHNIC & HISTOCHEMISTRY, vol.96, no.8, pp.594-607, 2021 (SCI-Expanded)
- VII. **Expression of glucose transporters in the human amnion derived mesenchymal stromal cells under normoglycemic and hyperglycemic conditions**  
Unek G., Cetinkaya B., dogru S., DOGUM K., MOLBAY M., Ozmen A., YANAR K., Kipmen-Korgun D., KÖKSOY S., SAKINCI M., et al.  
BIOLOGIA, vol.75, no.2, pp.299-308, 2020 (SCI-Expanded)
- VIII. **Rapamycin administration during normal and diabetic pregnancy effects the mTOR and angiogenesis signaling in the rat placenta**  
Ozmen A., Kipmen-Korgun D., KORGUN E. T.  
JOURNAL OF GYNECOLOGY OBSTETRICS AND HUMAN REPRODUCTION, vol.48, no.3, pp.193-199, 2019 (SCI-Expanded)
- IX. **Effects of Human Placental Amnion Derived Mesenchymal Stem Cells on Proliferation and Apoptosis Mechanisms in Chronic Kidney Disease in the Rat**  
Cetinkaya B., UNEK G., Kipmen-Korgun D., KÖKSOY S., KORGUN E. T.  
INTERNATIONAL JOURNAL OF STEM CELLS, vol.12, no.1, pp.151-161, 2019 (SCI-Expanded)
- X. **The role of adiponectin in streptozocin-induced diabetic rat placental development**  
Avcil Z., Hanikoglu A., KORGUN E. T., Kipmen-Korgun D.  
FEBS OPEN BIO, vol.8, pp.209, 2018 (SCI-Expanded)
- XI. **The Effects of Different Doses of Ingested Sulfite on The Arachidonic Acid Pathway in the Brain Tissue**  
DERİN N., Topak G., KİPMEN KORGUN D., AYDIN ASLAN M.  
ACTA PHYSIOLOGICA, vol.221, pp.34, 2017 (SCI-Expanded)
- XII. **Glucocorticoid effects on angiogenesis are associated with mTOR pathway activity**  
OZMEN A., UNEK G., KIPMEN-KORGUN D., MENDİLCİOĞLU İ. İ., SANHAL C. Y., SAKINCI M., KORGUN E. T.  
BIOTECHNIC & HISTOCHEMISTRY, vol.91, no.4, pp.296-306, 2016 (SCI-Expanded)
- XIII. **Effects of Ingested Sulfite on Glutamate Synthesis and Release in the Hippocampus**  
DERİN N., KENCEBAY MANAS C., BÜLBÜL M., KİPMEN KORGUN D., Ocak A. G., AYDIN ASLAN M.  
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- XIV. **Determination of PCNA, cyclin D3, p27, p57 and apoptosis rate in normal and dexamethasone-induced intrauterine growth restricted rat placentas.**  
Er H., Acar N., Kipmen-Korgun D., Celik-Ozenci C., Üstünel İ., Asar M., Korgun E. T.  
Acta histochemica, vol.117, no.2, pp.137-47, 2015 (SCI-Expanded)
- XV. **Glucocorticoid exposure altered angiogenic factor expression via Akt/mTOR pathway in rat placenta**  
Ozmen A., UNEK G., KIPMEN-KORGUN D., Cetinkaya B., AVCİL Z., KORGUN E. T.  
ANNALS OF ANATOMY-ANATOMISCHER ANZEIGER, vol.198, pp.34-40, 2015 (SCI-Expanded)
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Ozmen A., UNEK G., Kipmen-Korgun D., KORGUN E. T.  
HISTOLOGY AND HISTOPATHOLOGY, vol.29, no.6, pp.743-756, 2014 (SCI-Expanded)
- XVII. **Merit of quinacrine in the decrease of ingested sulfite-induced toxic action in rat brain**

- Kencebay C., Derin N., Özsoy Ö., Kipmen-Korgun D., Tanrıöver G., Ozturk N., Basaranlar G., Yargıoğlu-Akkıraz P., Sozen B., Agar A.  
FOOD AND CHEMICAL TOXICOLOGY, vol.52, pp.129-136, 2013 (SCI-Expanded)
- XVIII. **Triamcinolone up-regulates GLUT 1 and GLUT 3 expression in cultured human placental endothelial cells**  
Kipmen-Korgun D., Ozmen A., Unek G., ŞİMŞEK M., Demir R., KORGUN E. T.  
CELL BIOCHEMISTRY AND FUNCTION, vol.30, no.1, pp.47-53, 2012 (SCI-Expanded)
- XIX. **Immunolocalization of PCNA, Ki67, p27 and p57 in normal and dexamethasone-induced intrauterine growth restriction placental development in rat**  
Unek G., Ozmen A., Kipmen-Korgun D., KORGUN E. T.  
ACTA HISTOCHEMICA, vol.114, no.1, pp.31-40, 2012 (SCI-Expanded)
- XX. **Mapping of CIP/KIP inhibitors, G1 cyclins D1, D3, E and p53 proteins in the rat term placenta**  
KORGUN E. T., UNEK G., HERRERA E., Jones C. J., WADSACK C., KIPMEN-KORGUN D., Desoye G.  
HISTOCHEMISTRY AND CELL BIOLOGY, vol.136, no.3, pp.267-278, 2011 (SCI-Expanded)
- XXI. **The expression of Akt and ERK1/2 proteins decreased in dexamethasone-induced intrauterine growth restricted rat placental development**  
Ozmen A., Unek G., Kipmen-Korgun D., KORGUN E. T.  
JOURNAL OF MOLECULAR HISTOLOGY, vol.42, no.3, pp.237-249, 2011 (SCI-Expanded)
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Korgun E. T., Acar N., Sati L., Kipmen-Korgun D., Ozen A., Unek G., Üstünel İ., Demir R.  
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- XXIII. **Type-2 diabetes down-regulates glucose transporter proteins and genes of the human blood leukocytes**  
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SCANDINAVIAN JOURNAL OF CLINICAL & LABORATORY INVESTIGATION, vol.69, no.3, pp.350-358, 2009 (SCI-Expanded)
- XXIV. **The effect of heparin on structural and functional properties of low density lipoproteins**  
KRISKO A., Piantanida I., KVEDER M., PIFAT G., LEE A., GREILBERGER J., KIPMEN-KORGUN D., Jurgens G.  
BIOPHYSICAL CHEMISTRY, vol.119, no.3, pp.234-239, 2006 (SCI-Expanded)
- XXV. **T-cadherin mediates low-density lipoprotein-initiated cell proliferation via the Ca<sup>2+</sup>-tyrosine kinase-Erk1/2 pathway**  
KIPMEN-KORGUN D., OSIBOW K., ZORATTI C., SCHRAML E., GREILBERGER J., KOSTNER G., Jurgens G., GRAIER W.  
JOURNAL OF CARDIOVASCULAR PHARMACOLOGY, vol.45, no.5, pp.418-430, 2005 (SCI-Expanded)
- XXVI. **Anandamide initiates Ca<sup>2+</sup> signaling via CB2 receptor linked to phospholipase C in calf pulmonary endothelial cells**  
ZORATTI C., KIPMEN-KORGUN D., OSIBOW K., MALLI R., Graier W.  
BRITISH JOURNAL OF PHARMACOLOGY, vol.140, no.8, pp.1351-1362, 2003 (SCI-Expanded)
- XXVII. **Secretory phospholipase A(2) and phospholipids in neural membranes in an experimental epilepsy model**  
YEGIN A., AKBAS S. H., OZBEN T., Korgun D.  
ACTA NEUROLOGICA SCANDINAVICA, vol.106, no.5, pp.258-262, 2002 (SCI-Expanded)
- XXVIII. **The alterations in the erythrocyte antioxidant system of the blood that stored in blood bags**  
KIPMEN KORGUN D., BILMEN S., YEŞİLKAYA A.  
RESEARCH COMMUNICATIONS IN MOLECULAR PATHOLOGY AND PHARMACOLOGY, vol.109, no.5-6, pp.357-363, 2001 (SCI-Expanded)
- XXIX. **Antioxidant capacity of G-6-PD-deficient erythrocytes**  
BILMEN S., AKSU T., GUMUSLU S., KORGUN D., Canatan D.  
CLINICA CHIMICA ACTA, vol.303, no.1-2, pp.83-86, 2001 (SCI-Expanded)
- XXX. **The effect of sulfur dioxide on t-butyl hydroperoxide induced oxidative stress in lung tissues of rats**  
GÜMÜŞLÜ S., KIPMEN KORGUN D., BİLMEEN S., Yücel G., Yargıoğlu P., Açar A.

Turkish Journal of Medical Sciences, vol.31, no.2, pp.121-125, 2001 (SCI-Expanded)

**XXXI. The effect of sulfur dioxide inhalation on visual evoked potentials, antioxidant status, and lipid peroxidation in alloxan-induced diabetic rats**

Agar A., Küçükataş V., Yargıoğlu P., Aktekin B., Kipmen-Korgun S., Gumuslu D., Apaydin C.

ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.39, no.2, pp.257-264, 2000 (SCI-Expanded)

**XXXII. Red blood cell rheological alterations in hypertension induced by chronic inhibition of nitric oxide synthesis in rats**

Bor-Kucukatay M., Yalcin O., Gokalp O., Kipmen-Korgun D., Yesilkaya A., Baykal A., Ispir M., Senturk U., KAPUTLU İ., Baskurt O.

CLINICAL HEMORHEOLOGY AND MICROCIRCULATION, vol.22, no.4, pp.267-275, 2000 (SCI-Expanded)

## Articles Published in Other Journals

**I. Human Trophoblast Progenitor Cells Express and Release Angiogenic Factors**

MOLBAY M., Kipmen-Korgun D., KORKMAZ G., Ozekinci M., KORGUN E. T.

INTERNATIONAL JOURNAL OF MOLECULAR AND CELLULAR MEDICINE, vol.7, no.4, pp.203-211, 2018 (ESCI)

**II. The effect of sulfur dioxide on t-butyl hydroperoxide induced oxidative stress in lung tissues of rats**

GÜMÜŞLÜ S., KİPMEN KORGUN D., BILMEN-SARIKIOĞLU S., YÜCEL S. G., YARGIÇOĞLU AKKİRAZ P., AĞAR A.

TURKISH JOURNAL OF MEDICAL SCIENCES, no.31, pp.121-125, 2001 (Scopus)

**III. Koroner Bypass Cerrahisi Yapılan Hastalarda Renal Dozda Dopamin Kullanımının Renal Tübüler Fonksiyonlar Üzerine Etkisi**

TÜRKAY C., GÖLBAŞI İ., Ak İ., ŞAHİN N., KİPMEN KORGUN D., ERBASAN O., Başbuğ S., BAYEZİD Ö.

Türk Göğüs Kalp Damar Cer Derg, no.8, pp.674-677, 2000 (Peer-Reviewed Journal)

**IV. Increased susceptibility to oxidative stress in lens tissues of sulfur dioxide exposed rats.**

YÜCEL İ., KİPMEN KORGUN D., GÜMÜŞLÜ S., BILMEN S., YARGIÇOĞLU AKKİRAZ P., AĞAR A.

Journal of Biochemistry, Molecular Biology and Biophysics, no.2, pp.65-69, 1998 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

**I. The effect of human trophoblast progenitor cells on angiogenesis in rat brain after focal cerebral ischemia**

KORGUN E. T., MOLBAY m., Özmen a., KİPMEN KORGUN D., ÜNAL A., MALTEPE e., ÖZEKİNCİ M.

EMBO Conference Advances in Stem cells and Regenerative Medicine, 23 - 26 May 2017

**II. Proliferation in the human amnion derived mesenchymal stem cells under hyperglycemic conditions**

Dogru S., Unek G., Koksoy S., Kipmen-Korgun D., KORGUN E. T.

41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.305

**III. Glucose transporter proteins in the human amnion derived mesenchymal stem cells**

KIPMEN-KORGUN D., UNEK G., CETINKAYA B., DOGRU S., DOGUM K., MOLBAY M., OZMEN A., KÖKSOY S., KORGUN E. T.

41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.301

**IV. Gebelik Sürecinde Diyabetik Sıçan Plasentalarında mTOR Sinyal Yolağının Anjiyogenez Mekanizmasına Etkisi**

özmen a., ÇETİNKAYA B., KATIRCI E., ÜNEK G., Molbay M., KİPMEN KORGUN D., KORGUN E. T.

XIII. Ulusal Histoloji ve Embriyoloji Kongresi, İzmir, Turkey, 30 April - 03 May 2016, pp.142

**V. Diyabetik rat plasentasında adiponektin ve PPAR'lar**

AVCİL Z., HANİKOĞLU A., ÜNEK G., ÖZMEN A., KORGUN E. T., KİPMEN KORGUN D.

27. Ulusal Biyokimya Kongresi, Antalya, Turkey, 3 - 06 November 2015, vol.40, pp.1

- VI. **Diyabetik rat plasentasında adiponektin ve PPAR'lar**  
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- VII. **DİYABETİK RAT PLASENTASINDA ADİPONEKTİN VE PPAR'LAR**  
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- VIII. **The role of adiponectin in dexamethasone-induced intrauterin growth restricted rat placental development**  
Kipmen-Korgun D., Erdogan A., Avcil Z., Unek G., Ozmen A., KORGUN E. T.  
FEBS EMBO 2014 Conference, Paris, France, 30 August - 04 September 2014, vol.281, pp.180
- IX. **Adverse glucocorticoid effect on angiogenesis is associated with Akt/mTOR pathway in vitro**  
KORGUN E. T., Ozmen A., Unek G., Kipmen-Korgun D., Avcil Z., MENDİLCİOĞLU İ. İ.  
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- XIX. **EXPRESSION OF ADIPONECTIN AND ITS RECEPTORS IN DIABETIC RAT PLACENTA**  
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- XXII. **Expression of adiponectin and its receptors in diabetic rat placenta**  
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- XXIII. **Normal ve diyabetik sıcan plasenta gelişiminde Akt ve ERK1/2 proteinlerinin rolü**  
ÖZMEN A., ÜNEK G., KİPMEN KORGUN D., KORGUN E. T.  
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- XXVI. **Glukokortikoidlerin Plasentada Anjiyogenez Mekanizmasına Etkisi**  
ÖZMEN A., ÜNEK G., KİPMEN KORGUN D., AVCİL Z., HANİKOĞLU A., MENDİLCİOĞLU İ. İ., KORGUN E. T.  
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- XXVII. **Normal ve preeklampitik plasentalarda hücre siklusu proteinlerinin immunohistokimyasal dağılımı**  
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- XXX. **The Expression Of Akt And Erk1/2 Proteins Decreased In Intrauterine Growth Restricted Rat Placental Development**  
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- XXXI. **The expression of Akt and ERK1/2 proteins decreased in intrauterin growth restricted rat placental development.**  
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Meeting of the International-Federation-of-Placenta-Associations (IFPA), Geilo, Norway, 14 - 17 September 2011, vol.32

- XXXV. **Effects of high-glucose conditions in angiogenesis of human placental endothelial cells**  
KİPMEN KORGUN D., ÖZMEN A., ÜNEK G., ŞİMŞEK M., KORGUN E. T.  
36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, vol.278, pp.181
- XXXVI. **Immunolocalization of PCNA, Ki67, p27 and p57 in normal and dexamethasone-induced intrauterine growth restriction placental development in rat**  
KORGUN E. T., ÜNEK G., ÖZMEN A., KİPMEN KORGUN D.  
36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, vol.278, pp.425
- XXXVII. **Effects of high-glucose conditions in angiogenesis of human placental endothelial cells**  
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- XXXVIII. **Effects of high glucose conditions in angiogenesis of human placental endothelial cells**  
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- XXXIX. **Immunolocalization of PCNA, Ki67, p27 and p57 in normal and dexamethasone-induced intrauterine growth restriction placental development in rat**  
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- XL. **Immunolocalization of PCNA, Ki67, p27 and p57 in normal and dexamethasone-induced intrauterine growth restriction placental development in rat.**  
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- XLI. **Effects of high-glucose conditions in angiogenesis of human placental endothelial cells**  
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- XLIII. **Immunolocalization of PCNA, Ki67, p27 and p57 in normal and dexamethasone-induced intrauterine growth restriction placental development in rat**  
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36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, vol.278, pp.425
- XLIV. **LOCATION OF CELL CYCLE PROMOTERS PCNA,CYCLİN D1,CYCLİN D3,AND İNHİBİTORS P21,P27 AND P57 İN RODENT PLACENTAL DEVELOPMENT**  
KORGUN E. T., KİPMEN KORGUN D., DEMİR R.  
34TH CONGRESS OF THE FEDERATION-OF-EUROPEAN-BİCHEMİCAL-SOCIÉTİES, Prague, Czech Republic, 4 - 09 July 2009, pp.206
- XLV. **Type 2 diabetes down-regulates glucose transporter proteins and genes of the human blood leukocytes**  
Kipmen-Korgun D., Bilmen-Sarikcioglu S., Altunbas H., Demir R., KORGUN E. T.  
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.317
- XLVI. **Location of cell cycle promoters PCNA, Cyclin D1, Cyclin D3, and inhibitors p21, p27 and p57 in rodent placental development**  
KORGUN E. T., Kipmen-Korgun D., Demir R.  
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.206
- XLVII. **THE EFFECT OF GLUCOCORTİCOİD ON GLUCOSE TRANSPORTERS İN HUMAN PLACENTAL ENDOTHELİAL CELLS**  
KORGUN E. T., KİPMEN KORGUN D., ÖZMEN A., ÜNEK G., ŞİMŞEK M., DEMİR R.

14TH MEETING OF THE INTERNATIONAL-FEDERATION-OF-PLACENTAL-ASSOCIATIONS/12TH MEETING OF THE EUROPEAN-PLACENTA-GROUP, Seggau Castle, Austria, 10 - 13 September 2008

- XLVIII. **The effect of glucocorticoid on glucose transporters in human placental endothelial cells**  
KORGUN E. T., KİPMEN KORGUN D., ÖZMEN A., ÜNEK G., ŞİMŞEK M., DEMİR R.  
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- L. **THE EFFECTS OF HYPERGLYCEMIA ON ANGIOGENIC FACTORS IN HUMAN PLACENTAL ENDOTHELIAL CELLS**  
KİPMEN KORGUN D., ÖZMEN A., ŞİMŞEK M., KORGUN E. T.  
14TH MEETING OF THE INTERNATIONAL-FEDERATION-OF-PLACENTAL-ASSOCIATIONS/12TH MEETING OF THE EUROPEAN-PLACENTA-GROUP, Seggau Castle, Austria, 10 - 13 September 2008
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