



Thanks to Reviewers

TURKISH NEUROSURGERY

Official Journal of the Turkish Neurosurgical Society

Volume 26, Number 1,2,3,4,5,6 Year 2016

REVIEWERS BOARD

Dear Colleagues,

We present the list of our colleagues who provided peer review of the articles we published this year. The best measure of the objectivity of periodic scientific publications is qualified peer review. Evaluation of an article is a task that requires a lot of work and is carried out entirely voluntarily. All our reviewers performed these evaluations satisfactorily and promptly, being fully aware of their responsibility. We thank them for their valuable contributions and sincerely hope that their contributions continue.

Selçuk PEKER

On behalf of Editorial Board

ACAR Feridun
AKANSEL Gur
ALBAYRAK Baki
ALTINÖRS Dilek
ARAT Anıl
ASLANTAŞ Ali
ATALAY Başar
AVCI Emel
AYDIN Sabri
AYHAN Selim
BAĞDATOĞLU Celal
BALAK Naci
BAVBK Murad
BAYKANER M. Kemali
BEKAR Ahmet
BELEN Deniz
BOGOSAVLJEVIC Vojislav
BÖRCEK Alp Özgün
BOZKURT Melih
ÇAYLI Süleyman
COŞAR Murat
DAĞÇINAR Adnan
DAĞLIOĞLU Ergün
DALBAYRAK Sedat
DALGIÇ Ali
DANEYEMEZ Mehmet
DASHTI Reza
DERİNÖZ Okşan
DURU Soner
DÜZ Bülent
EMMEZ Hakan
ENCHEV Yavor
ETUS Volkan

GRUJICIC Danica
HAKAN Tayfun
HAMAMCIOĞLU Mustafa Kemal
HANCI Murat
HAZER Derya Burcu
HIÇDÖNMEZ Tufan
IŞIK Nejat
İZCİ Yusuf
KABATAŞ Serdar
KAFADAR Ali
KAHİLOĞULLARI Gökmen
KAHRAMAN Serdar
KANAT Ayhan
KAPTANOĞLU Erkan
KARABAĞLI Hakan
KARAGÖZ Feyza
KAYA Serdar
KAZAN Mehmet Saim
KIRIS Talat
KILIÇ Kaya
KOBAYASHI Hidenori
KOÇ Kenan
KOCAELİ Hasan
KOKTEKİR Ender
KOTİL Kadir
KUTLAY Murat
MURLIMANJU B.V
MÜSLÜMAN Murat
MUZUMDAR Dattatraya
NADERİ Sait
OKTAR Nezh
ÖGE Kamil
ÖKTENOĞLU Tunç

ÖNAL Çağatay
ÖNER Yusuf
ÖZ Büge
ÖZER Fahir
PALAOĞLU Ömer Selçuk
PARAMASIVAM Srinivasan
PEKER Selçuk
RASULIC Lukas
SADE Burak
SASANI Mehdi
SAVAŞ Ali
SEÇKİN Hakan
SELÇUKİ Mehmet
SOLMAZ İlker
ŞAHİN Soner
ŞEKER Aşkın
ŞENEL Alpaslan
ŞİMŞEK Serkan
TANRIVERDİ Taner
TEMİZ Cüneyt
TOKGÖZ Nil
TÜRE Uğur
TÜZÜN Yusuf
UÇAR Tanju
ÜNLÜ Ağahan
VURAL Murat
YAPICIER Ozlem
YILDIZ Erdem
YILMAZ Derviş
ZİLELİ Mehmet
ZİYAL İbrahim



TURKISH NEUROSURGERY

Official Journal of the Turkish Neurosurgical Society

Volume 26, Number 1,2,3,4,5,6 Year 2016

AUTHOR INDEX

ABDERRAHMEN Khansa - 176
ABUHASHEM Safwat - 790
ACAR Turker - 958
ACKERMANS Linda - 900
ADILAY Huseyin Utku - 912
AGARWAL Deepak - 297
AHMADI Mahnaz - 720
AHMED Ehtisham - 205
AKAKIN Akin - 568
AKAR Aykan - 389
AKBAL Ayla - 97
AKCAKAYA Mehmet Osman - 783
AKCAY YALBUZDAG Seniz - 912
AKDAG Rifat - 595
AKIN Tezcan - 411
AKMAN Tarik - 404
AKMANGIT Ilkay - 525, 533
AKSOY Kaya - 871
AKTURE Erinc - 500
ALAGOZ Fatih - 286, 445, 595, 622, 411
ALBAYRAK Serdal - 399, 918
ALGIN Oktay - 286
ALI Achmet - 39
ALI Asghar - 205
ALKAN Bahadir - 97, 404
ALTIN Suleyman - 818
ALTINORS Mehmet Nur - 389
ALVI Nazir - 205
AMMAR Mohamed G. - 790
AMRAII Esmail - 720
AN Ning - 574
ANTONELLI Manila - 799
AOUIDJ Lasaad - 176
ARAS Adem Bozkurt - 97, 274, 404
ARAS Yavuz - 39, 127, 783
ARAT Anil - 525, 533, 643
ARCOVIO Elena - 799
ARDURA Francisco - 608

ARIKAN Murat - 944
ARSLAN Ali - 146
ARSLANTAS Ali - 437
ATABEY Cem - 111
ATALAY VURAL Sevil - 930
ATASOY Metin Ant - 437
ATES Ozkan - 840
ATEŞ Tuncay - 146
AURANGZEB Ahsan - 205
AYAN Erdogan - 274, 678
AYDEMİR Fatih - 389
AYDEN Omer - 399, 918
AYDIN Ahmet Levent - 635
AYDIN Hasan Emre - 437
AYDIN Kerameddin - 16
AYDIN Sevim - 445, 586
AYDOSELI Aydin - 39, 783
BACANLI Ali - 140
BAKAL Omer - 957
BALAK Naci - 274
BALASA Adrian - 321
BALASA Rodica - 321
BALTSAVIAS Gerasimos - 253
BAO Shengde - 538
BARAKAT Mohamed I. - 790
BARBARITE Eric - 465
BARI Ehsan - 732
BARI Muhammad Ehsan - 369
BARLAS Orhan - 39
BAROUTAS Spyridon - 253
BASKAYA Mustafa K. - 500
BAVBEK Murad - 119
BAYAR Mehmet Akif - 704
BAYDEMİR Canan - 878
BAYRAM Fahri - 671
BEKAR Ahmet - 586
BELEN Deniz - 286, 445, 525, 533, 595
BENLI Ismail - 556
BERECZKI Dániel - 545
BERKMAN Mehmet Zafer - 678, 840

BESALTI Omer - 286, 930
BESKONAKLI Ethem - 180
BHATTI Sajid Nazir - 205
BILGIC Serkan - 463
BILLUR Deniz - 445, 586
BIRBILIS Theodossios A. - 253
BODUR Ebru - 119
BOGOSAVLJEVIĆ Vojislav - 452
BONNEY Phillip A. - 475, 662
BORCEK Alp Ozgun - 173
BOUHOULA Asma - 176
BOYACI Suat - 871
BOYALI Osman - 39
BOZKURT Ismail - 119
BOZKURT UYAR Suheylyla - 274
BRAWANSKI Alexander - 185
BURKS Joshua D. - 662
BURUKOGLU Dilek - 437
BUTUN Ilknur - 556
BYDON Ali - 601, 646
CAI Xiaobing - 260
CALISKAN Kadir Emre - 690
CALISKAN Murat - 286, 930
CALISKAN Tezcan - 678
CALOGLU Murat - 484
CALOGLU Vuslat Yurut - 484
CAN Halil - 783
CAN Nuray - 484
CAN Pinar - 286
CANATAN Can - 777
CANER Hakan - 169
CANOZ Ozlem - 684
CANSEVER Tufan - 389
CAO Weidong - 813
CAO Xiangyu - 632, 953
CAYDERE Muzaffer - 622
CELİK Canan - 912
CELİK Haydar - 622, 704, 411
CENGİZ Sahika Liva - 714
CETINKAL Ahmet - 111

- CEYLAN Davut - 97, 404
 CHANDRA P Sarat - 357
 CHEN Bo - 8
 CHEN Feng H - 904
 CHEN Gao - 564
 CHEN Jun - 341
 CHEN Li-Feng - 21, 833
 CHEN LiangYu - 219
 CHEN Ping - 582
 CHEN Qianxue - 331
 CHEN Xiaochen - 805
 CHEN Xin - 574
 CHEN Ye-Huang - 795
 CHEN Yong - 246
 CHENG Xiaoping - 209
 CHI Yong-Long - 763
 CHINEZU Rares - 321
 CHO Yong Jun - 268
 CHOI Hyuk Jai - 268
 CHRYSOU Olga I. - 253
 CHUN Dong Hyun - 709
 CICKUSIC Elmir - 866
 CIKILI Mustafa - 146
 CIKLA Ulas - 500
 CIKRIKLAR Halil Ibrahim - 878
 CILLIERS Karen - 653
 CINAR Celal - 690
 CINGU MERIC Zeynep - 860
 CİVELEK Erdinc - 389
 COBAN Gokmen - 54
 COKLUK Cengiz - 16
 COLAK Ahmet - 111
 COSAR Murat - 97, 404
 D'ELIA Alessandro - 799
 DAGDEVIREN Atilla - 944
 DAGLIOGLU Ergun - 286, 525, 533, 595
 DALGIC Ali - 286, 445, 595
 DANAYEMEZ Mehmet - 491, 771
 DAO Ri-Na - 325
 DEDE Dogan - 525, 533
 DELIBEGOVIC Samir - 866
 DELLAROLE Anna - 465
 DEMIR Osman - 556
 DEMIR Ozgur - 556
 DEMIRCI Adnan - 445
 DEMIRCIVI OZER Fusun - 937
 DEMIREL Altan - 643
 DEMIREL Ismail - 399
 DENIZ Fatih Ersay - 556
 DENİZ Suleyman - 957
 DI PAOLO Alessandro - 799
 DING Xuan - 69
 DIRI Halit - 671
 DIZDAREVIC Kemal - 866
 DONG Wei-xin - 430
 DU Chao - 325
 DUAN Hongzhou - 538
 DURAK Ahmet Candan - 671
 DURUKSU Gokhan - 127
 DUZKALIR Ali Haluk - 90, 347
 EBRAHIMZADEH Farzad - 720
 EGEMEN Emrah - 364
 EGYED-ZSIGMOND Imre - 321
 EKICI Mehmet Ali - 878
 ELDER Benjamin D. - 601, 646
 ELHAMMADY Mohamed Samy - 465
 ELHAN Atilla Halil - 533
 ELMACI Ilhan - 274
 EMEL Erhan - 635
 ENGIN Taner - 840
 ERDEM Yavuz - 411, 622, 704
 ERDEN Esra - 286
 ERDI Fatih - 714
 ERDOGAN Ersin - 347
 EREN Bekir - 818
 EREN Suat - 456
 ERGUVEN Mine - 127
 EROGLU Ahmet - 111
 EROGLU Umit - 643
 EROL Asiye Mukaddes - 912
 EROL Fatih S. - 399
 ERSEN Omer - 463
 ERTAN Yesim - 690
 FANG Bing - 564
 FAZZOLARI Benedetta - 799
 FENG Xinmin - 416
 FENG Yi - 84
 FERRAZZANO Peter - 500
 FU Qingsong - 260
 GAO Jin - 582
 GAO Jin-Xi - 384
 GAO Jun Wei - 306
 GARG Kanwaljeet - 297, 357
 GE Aili - 632, 953
 GE Huijian - 229
 GE Junqi - 200, 309
 GENÇ Ali - 364
 GENÇ Su-Min - 153
 GEZERCAN Yurdal - 146
 GIANGASPERO Felice - 799
 GOK Haydar - 105
 GOKASLAN Ziya L. - 601, 646
 GOKCEK Cevdet - 704
 GOKCIL Zeki - 347
 GOKMEN Ferhat - 97
 GOKOGLU Abdulkerim - 699
 GOLEN Mustafa - 958
 GOMLEKSIZ Cengiz - 635
 GONG Aihua - 8
 GONG Hui S - 904
 GONG Quan - 750
 GOODWIN C. Rory - 601
 GORE Pankaj A. - 662
 GU Guangfei - 260
 GU Xin - 260
 GU Ye - 200, 309
 GULEC Ilker - 105
 GULENSOY Bulent - 704
 GULER Beril - 484
 GUMUSTAS Oguzhan Guven - 871
 GUNGOR Buket - 912
 GUPTA Deepak Kumar - 297
 GURBUZ Mehmet Sabri - 678
 GURCAN Oktay - 119, 180
 GURCAY Ahmet Gurhan - 119, 180
 GURJAR Hitesh Kumar - 357
 GURKAS Erdem - 525
 GURKAS Erdem - 533
 GURSOY Tansu - 704
 GUVEN Mustafa - 97, 274, 404
 GUVENC Yahya - 286, 445, 622
 GÜVENÇ Yahya - 411
 GUZEL Aslan - 146
 HA Jianli - 209
 HAIFENG Chen - 615
 HAKAN Tayfun - 860, 890
 HANANYA Tomer - 500
 HANN Shannon - 430
 HAO Zhao Bo - 615
 HARMAN Ferhat - 771
 HASPOLAT Ali - 777
 HASTURK Askin Esen - 944
 HAYHURST Caroline - 662
 HE Hongwei - 229
 HE Jianqing - 84
 HE Min - 62
 HE Shisheng - 260
 HELVACIOGLU Fatma - 944
 HEPGUL Kemal - 39
 HIROTSUNE Nobuyuki - 849
 HOHENBERGER Christoph - 185
 HÖHNE Julius - 185
 HONG Yang - 219
 HONG Yin - 750
 HORASANLI Bahriye - 944
 HOU Fang - 234
 HOU Zhi - 574
 HU Dahai - 209
 HU Fan - 200, 309
 HU Qiang - 564
 HU Yong - 430
 HUANG Haitao - 215
 HUANG Qing S - 904
 HUANG Yinghao - 209
 HUSSAIN Sajid - 205
 HUSSAIN Shahrose - 465
 IHSAN Adil - 205

- ILBAY Gul - 291
 ILBAY Konuralp - 291
 ILIK Mustafa Kemal - 714
 ISIK Nejat - 352
 ISTEMEN Ismail - 90
 ITO Yutaka - 423
 IZCI Yusuf - 491
 IZGI Nail - 39
 JABBOUR Pascal - 306
 JALALI Rostam - 720
 JALLO George I. - 601
 JAVED Gohar - 732
 JEMEL Hafedh - 176
 JEONG Hae Woong - 709
 Ji Yong - 69
 JIAGANG Liu - 615
 JIANG Xue - 234
 JIN Hua - 223
 JING Jun-Jie - 384, 795
 JOHNSTON Jr. James M. - 166
 JOKOVIĆ Miloš - 452
 JOVANOVIĆ Nemanja - 452
 KABATAS Serdar - 127
 KACAR Yunus - 771
 KAHIOLOGULLARI Gokmen - 643
 KAHRAMAN Serdar - 777
 KALELIOGLU Mufit - 352
 KANG Suk Hyung - 268
 KANG Zhaochang - 209
 KANTARCI Mecit - 456
 KARA Niyazi Nefi - 140
 KARAARSLAN Numan - 678
 KARAARSLAN Oznur - 404
 KARACAN GOLEN Meltem - 958
 KARANIKAS Michail A. - 253
 KARAOZ Erdal - 127
 KARATAS Ayse - 54
 KARATAY Eylem - 622
 KARATAY Mete - 411, 622, 704
 KATICA Muhamed - 866
 KAWABATA Shinji - 423
 KAWANISHI Masahiro - 423
 KAYA Tunca - 525, 533
 KAZANCI Atilla - 119, 180
 KAZANCI Burak - 771
 KERMAN Memduh - 460
 KERTMEN Huseyin Hayri - 622
 KHAN Farid - 369
 KILIC Dalokay - 169
 KILIC Turker - 568
 KIM Moo Seong - 709
 KIM Sung Tae - 709
 KIZIL Sule - 586
 KOC Ali Murat - 173
 KOCABICAK Ersoy - 900
 KOKER Murat - 54
 KOKSAL Ismet - 411, 622
 KOMURCU Hatice Ferhan - 180
 KONG Jinhai - 280
 KOPRULU Ali Sefik - 777
 KORFALI Ender - 1
 KORKMAZ Serdar - 871
 KOSZTOWSKI Thomas A. - 601
 KOZAK Norbert - 545
 KOZIARSKI Andrzej - 824
 KRÜGER Antonio - 608
 KUCUK Ahmet - 671, 684
 KUIJF Mark - 900
 KUJOTH Gregory C. - 500
 KUL Halil - 622, 704
 KURAL Cahit - 491, 771
 KUROIWA Toshihiko - 423
 KURT Ali - 456
 KURTSOY Ali - 671, 684, 699
 KURUOGLU Enis - 16
 KUTLAY Murat - 491
 LAN Qing - 8
 LANG Hongjuan - 234
 LEE Won Hee - 709
 LENG Lige - 195
 LEVENT Akin - 456
 Li Ai-Min - 341
 Li Baomin - 632, 953
 Li Chang - 922
 Li Fuyong - 215
 Li Hao - 77
 Li Hua - 246
 Li Juan - 234
 Li Lianfeng - 758
 Li Liang - 538
 Li Mingquan - 246
 Li Qiao-Yu - 8
 Li Ruigang - 234
 Li Sheng - 632, 953
 Li Tao - 750
 Li Wenmin - 209
 Li Xinguo - 513, 518
 Li Yanfeng - 215
 Li Yanshuang - 550
 Li Yonggang - 805
 Li Youxiang - 229
 LIANG Jianfeng - 449
 LIAUW Jason A. - 646
 LIGE Leng - 378
 LIN Yan - 763
 LINA Ioan A. - 646
 LIU Bin - 84
 LIU Gang J - 904
 LIU Hao - 750
 LIU Jihui - 513, 518
 LIU Jinping - 736
 LIU Limin - 750
 LIU Pi-Nan - 153, 240
 LIU Shi-Yong - 574
 LIU Shuang - 550
 LIU Tielong - 280
 LIU Wei-Min - 325
 LIU Xi-Guang - 341
 LIU Xinfeng - 632, 953
 LIU Yi - 62
 LIU Yunhui - 219
 LIU Zheng - 384
 LO Sheng-Fu L. - 601, 646
 LU Jun - 922
 LUO Peng - 763
 LUO Zhen-Zhong - 922
 LUO Zhonghua - 813
 LV Gang - 153
 LV Xianli - 229, 632, 953
 LYRATZOPOULOS Nikolaos - 253
 MA Chang-Hua - 922
 MA Er-Meng - 29
 MA Hui - 805
 MA Jianjun - 234
 MA Jun - 805
 MA Lian-Ting - 813
 MA Xiao-Dong - 21, 833
 MA Xiuhua - 246
 MA Yi - 215
 MAHAPATRA Ashok Kumar - 297, 302
 MAQBOOL Saadia - 205
 MARANGOZ Abdullah Hilmi - 16
 MATIS Georgios K. - 253
 MAURER Adrian J. - 475
 MEGURO Toshinari - 849
 MENEKSE Guner - 146
 MENEKSE Guner - 622
 MENENDEZ Joshua Y. - 166
 MENKU Ahmet - 699
 MILLS Steven A. - 475
 MIRZAEI Maryam - 720
 MOBLEY James - 315
 MORALI GULER Tugba - 1
 MORI Kentaro - 854
 MOTIEI-LANGROUDI Rouzbeh - 336
 MUNOZ MariFe - 608
 MURAOKA Kenichiro - 849
 MURTAZA Ghulam - 732
 NACAR Osman - 595
 NADERI Sait - 105
 NAGATANI Kimihiro - 854
 NAGY Laszlo - 315
 NEVES Gabriel F. - 500
 NIKOLIĆ Igor - 452
 NISHINO Shigeki - 849
 NORIEGA David Cesar - 608
 NURHAT Raziye Handan - 347
 OBHODJAS Muamer - 866

- OCAKCIOGLU Ayhan - 286
OCAKIOGLU Gokhan - 1, 586
OCUS Muhamed - 866
OGUZ Erbil - 463
OKAY Onder - 595
OKAY Onder Hilmi - 456
OKSUZ Erol - 556
OKTAR Nezhir - 690
OKTEN Ali Ihsan - 146
OKTENOGLU Tunc - 635
OKUTAN Mehmet Ozerk - 90
OLMAZ Burak - 146
ONAT Filiz - 352
ONEN Mehmet Resit - 105
ONER Ali Yusuf - 173
ONER Kazim - 690
ORAKDOGEN Metin - 840, 860
ORAL Sukru - 671, 699
OTANI Naoki - 854
OTHMAN Jad - 475
OU Shao-Wu - 29
OVUL Izzet - 690
OZ PUYAN Fulya - 484
OZBEK Zuhtu - 437, 878
OZDOGAN Selcuk - 90, 347
OZEK Memet - 352
OZER Ali Fahir - 635
OZEREN Ersin - 445
OZGIRAY Erkin - 690
OZKARA Emre - 437
OZSOY Kerem Mazhar - 146
OZTURK Alaattin - 460
OZTURK Figen - 671
OZTURK Onur - 39
OZTURK Sait - 918
PAENG Sung Hwa - 709
PAGE Benedict John - 653
PARPUCU Murat - 944
PEKER Ahmet - 525, 533
PENG Wang - 758
PERUMAL Karthikeyan - 690
PETERSON Eric - 465
POLAT Omer - 595
PUVANESARAJAH Varun - 646
QADEER Mohsin - 732
QI Xuchen - 725
QING Huang Si - 615
QIU Bo - 29
QU Rong-Bo - 223
QUE Zhongyou - 219
RAMAJO Ruben Hernandez - 608
RATHORE Yashpal Singh - 302
RAY Coby - 315
REHMAN Abdul - 369
RESORLU Hatice - 97
SABANCI Pulat Akin - 39, 127, 783
SABUNCIOGLU Hakan - 347
SADEGHIAN Homa - 336
SADIGHI Alireza - 500
SAFAK Ozbey - 404
SAHIN Soner - 568, 608
SALAMA Hosni M. - 790
SALVATI Maurizio - 799
SANTORO Antonio - 799
SASANI Mehdi - 635
SATYARTHEE Guru Dutta - 297, 302
SAYIN Murat - 937
SCHEBESCH Karl-Michael - 185
SCIUBBA Daniel M. - 601, 646
SEDDIGHI Amir Saied - 336
SENCER Altay - 39
SENGUL Ilker - 912
SENL Nilgun - 460
SENTURK Salim - 90, 119
SEPAHVAND Elham - 720
SERTBAS Idris - 622, 704
SHAHZADI Sohrab - 336
SHAMIM Muhammad Shahzad - 369
SHAO Rong-Xue - 763
SHARMA Bhawani - 297
SHARMA Bhawani Shankar - 357
SHEN Xiaolong - 260
SHI Hui - 341
SHI Xian-Jun - 574
SHUHUI Gong - 615
SILVA Danilo - 253
SIMSEK Hakan - 111
SIMSEK Serkan - 930
SINGH Manmohan - 357
SINGH Pankaj Kumar - 357
SINHA Sumit - 297
SOLEIMANI Mohammad Mehdi - 336
SOLMAZ Ilker - 491, 771
SOLUM Sezin - 912
SOMAY Hakan - 840, 860
SONG Chihwa - 500
SONG Yueming - 750
SU Shaobo - 805
SUBASI Cansu - 127
SUGHRUE Michael E. - 475, 662
SUN Jinbo - 550
SUN Shengxue - 513, 518
SUN Xiao-Yang - 430
SUN Yong - 341
SUN Zhengwang - 280
SZABO Sándor - 545
TAKEUCHI Satoru - 854
TANABE Tomoyuki - 849
TANAKA Hidekazu - 423
TAO Chuanyuan - 77
TAO Yuping - 416
TASCIOGLU Tuncer - 704
TASKAPILIOGLU M Ozgur - 1, 586
TASKAPILIOGLU Ozlem - 586
TASTEKIN Ebru - 484
TEHLI Ozkan - 491, 771
TEKE Fatma - 818
TEKE Memik - 818
TEKINDAL Mustafa Agah - 944
TEKİNER Ayhan - 364
TEMEL Yasin - 900
TEMİZ Caglar - 491, 771
TEMİZ Cuneyt - 937
TEO Charles - 475, 662
TEPEOGLU Merih - 169
TERADA Kinya - 849
TIAN Daofeng - 331
TIAN Jun - 384
TIAN Ren-Fu - 341
TOGRAL Guray - 944
TOKMAK Mehmet - 97, 404
TOKTAS Zafer Orkun - 568
TOKUC Burcu - 484
TONG Huaiyu - 758
TONGE Mehmet - 900
TOPUZ Kivanc - 111
TUCER Bulent - 671, 684
TUMTURK Abdulfettah - 671, 684, 699
TUNC Senem Yaman - 818
TURAL EMON Selin - 840, 860
TURAN Yahya - 818, 937
TURGUT COSAN Didem - 878
TURK Cezmi Cagri - 140, 352
TURKOGLU Omer Faruk - 119, 180
UCAR Murat - 173
UCKUN Ozhan - 595
UCLER Necati - 399, 918
UCMAKLI Ergun - 460
ULLUC Kutluay - 500
ULUTABANCA Halil - 699
UNAL Faruk - 39
UNAL Omer Faruk - 783
UNLU Agahan - 586, 643
UNSAI Mustafa - 818
URAKCI Zuhat - 818
URGUN Kamran - 568
USLU Serap - 860
USTUN Mehmet Erkan - 714
UYAR Ramazan - 352
UYSAL Ismail - 146
UYSAL Onur - 878
UZ Aysun - 54
VARDAR AKER Fugen - 678, 890
VURAL Cigdem - 169
VURAL Emin - 291
VURAL Murat - 437
WADA Kojiro - 854
WAN Yingfeng - 725

- WANG Bin - 215
 WANG Bo - 240
 WANG Chengwei - 69
 WANG Hui-Yu - 325
 WANG Jiajing - 77
 WANG Jian - 325
 WANG Jingcheng - 416
 WANG Jun - 29, 632, 953
 WANG Liang - 48
 WANG Lin - 564
 WANG Quancai - 215
 WANG Shou-Sen - 384
 WANG Shou-Shen - 795
 WANG Wei-Wei - 325
 WANG Xiaofei - 69
 WANG Xiaofeng - 813
 WANG Xuejian - 200, 309
 WANG Yuhai - 84
 WANG Yun-Jie - 29
 WANG Yunjie - 513, 518
 WANG Zhenmin - 240
 WANG Zhigang - 69
 WAQAS Muhammad - 732
 WEI Liang-Feng - 384
 WEN Xue - 209
 WILK Arkadiusz - 824
 WITEK Przemysław - 824
 WITHAM Timothy F. - 601, 646
 WIWANITKIT Viroj - 960
 WOLINSKY Jean-Paul - 601, 646
 WOODWORTH Bradford A. - 166
 WU Ai-Min - 763
 WU Cong - 62
 WU Huan-Cheng - 325
 WU Si - 209
 WU Wenjie - 750
 WU Zhen - 48
 WU Zhiqun - 813
 WU Zhongxue - 229, 632, 953
 XI Zhi-Yu - 795
 XI Zhuo - 219
 XIAO Anqi - 744
 XIAO Jiahe - 744
 XIAO Jianru - 280
 XIAO Zhibo - 246
 XIE Dajiang - 725
 XIE Hui - 430
 XIE Jixi - 725
 XIE Tao - 200, 309
 XING De-Guang - 29
 XU Bai-Nan - 21, 833
 XU Guo-Hai - 922
 XU Guozheng - 813
 XU Hua-Zi - 763
 XU Zhou - 331
 XUE Peng - 246
 YALTA Tulin Deniz - 484
 YAMADA Makoto - 423
 YAN Wangjun - 280
 YANG Hui - 574
 YANG Jiandong - 416
 YANG Jin Seo - 268
 YANG Likun - 84
 YANG Mei-Hua - 574
 YANG Shuxu - 725
 YANG Xiaoliang - 813
 YANG Yang - 21, 833
 YANG Yunbei - 750
 YANG Zhijun - 240
 YANG Zhong - 736
 YASITLI Ugur - 704
 YILDIRIM Ali Erdem - 180, 411, 595, 622
 YILDIRIM Hatice - 105
 YILDIRIM Timur - 90
 YILMAZ Baran - 568
 YILMAZ Cem - 169
 YILMAZ Hakan - 54
 YILMAZ Muhammet Bahadır - 364
 YILMAZ Murat - 291
 YILMAZ Semra - 364
 YILMAZ Tefvik - 937
 YOKOYAMA Kunio - 423
 YOU Chao - 62, 77, 736, 744
 YOU Jiyue - 582
 YU Bo - 219
 YU Mingjun - 219
 YU Xin-Guang - 21, 758
 YU Yanbing - 449
 YU Yong - 200, 309
 YUAN Lin-Hui - 922
 YUAN Zhen-shan - 430
 YUCE Deniz - 347
 YUCE Ihsan - 456
 YUCEL Murat - 878
 YUE Shuyuan - 805
 YURT Alaattin - 937
 YURTSEVEN Taskin - 690
 YURUMEZ Yusuf - 878
 ZANG Peizhuo - 513, 518
 ZANG Yizheng - 69
 ZENG Xingruo - 331
 ZENG Yi - 736
 ZENGMIN Tian - 378
 ZHANG Dong - 574
 ZHANG Feng - 8
 ZHANG Hailong - 260
 ZHANG Hua-Ping - 833
 ZHANG Hui-Min - 384
 ZHANG Jian - 922
 ZHANG Jianmin - 564
 ZHANG Jiayong - 538
 ZHANG Junting - 48
 ZHANG Li - 449
 ZHANG Liang - 416
 ZHANG Meichao - 430
 ZHANG Mingjun - 209
 ZHANG Shengfei - 416
 ZHANG Xiaobiao - 200, 309
 ZHANG Xiaoke - 744
 ZHANG Xudong - 306
 ZHANG Yazhuo - 195
 ZHANG Yu-kun - 153
 ZHANG Yuanzheng - 758
 ZHAO Fu - 240
 ZHAO Hao B - 904
 ZHAO Hong-Sen - 325
 ZHAO Lin - 795
 ZHAO Qing-Shuang - 795
 ZHAO Yan - 805
 ZHENG Jian - 219
 ZHENG Zhao-Cong - 384
 ZHONG Hongliang - 240
 ZHONG Jigang - 246
 ZHOU Ding-Biao - 21, 833
 ZHOU Dong-Zhe - 325
 ZHOU Hui - 48
 ZHOU Xu - 260
 ZHU Lei - 62
 ZHU Pei-Qian - 922
 ZHU Xiangdong - 564
 ZIELIŃSKI Grzegorz - 824
 ZOU Jianjun - 215
 ZOU Weiwei - 280



TURKISH NEUROSURGERY

Official Journal of the Turkish Neurosurgical Society

Volume 26, Number 1,2,3,4,5,6 Year 2016

SUBJECT INDEX

- 14-3-3zeta - 813
Abdominal aorta occlusion - 904
Absence - 352
ACDF - 416
Acute cerebral ischemia - 246
Acute ischemic stroke - 306
Acute vertebral compression fracture - 423
Adalimumab - 622
Adipose tissue - 127
Adjacent segment - 595
Adjacent segment degeneration - 268
Adjacent segment disease - 268
Adjuvant therapy - 336
Age - 545
Aggressive behavior - 671
Aging - 595
Albendazole - 460
Alpha lipoic acid - 119, 944
Anatomical landmark - 389
Anatomy - 568, 653
Aneurysm - 1, 229, 357, 643, 849
Aneurysmal clipping surgery - 840
Aneurysmal subarachnoid hemorrhages - 840
Animal model - 62, 352
Annual incidence rate - 234
Anomaly - 653
Anterior cerebral artery - 653
Anterior cervical corpectomy and fusion - 750
Anterior cervical discectomy - 404
Anterior cervical discectomy and fusion - 105
Anterior cervical fusion - 90
Apoptosis - 437, 550, 783
Arteriovenous malformation - 229
Arthroplasty - 430
Artificial neural network - 253
Aspiration - 39
Asterion - 564
Astroblastoma - 790
Astrocyte - 582, 736, 878
Astrocytoma - 321
Atherosclerosis - 69
Atlanto-axial joint - 430
Atlanto-odontoid joint - 430
Atlantoaxial dislocation - 615
Axonotmesis - 297
Balloon catheter - 904
Basilar artery stenosis - 69
Basilar invagination - 615
Bilateral thalamic glioma - 321
Biocompatibility - 866
Bioflex - 268
Biomarker - 556
Biomechanics - 430
Biopsy - 321, 336
Biphasic pulmonary blastoma - 169
Blister-like aneurysm - 219
Bone mesenchymal stem cell - 8
Brain - 176
Brain biopsy - 890
Brain injury - 556
Brain metastasis - 818
Brain tumor - 491, 890, 790
Burr hole evacuation - 205
Cage - 404, 646
Calcification - 643
Calvarial tumors - 690
CAPE - 437
Carotid artery - 223
Carotid endarterectomy - 833
Carotid stenosis - 69, 833
Cavernous sinus - 180
Central nervous system - 684, 744
Central neurocytoma - 21
Cerebral aneurysm - 62, 219, 513
Cerebral arterial circle - 54
Cerebral arteries - 69
Cerebral arteriovenous malformation - 341
Cerebral hemodynamics - 246
Cerebral ischemia - 500
Cerebral metastases - 185
Cerebral metastasis - 169
Cerebral vasculature - 568
Cerebral vasospasm - 860
Cervical - 97
Cervical carcinoma - 818
Cervical disc herniations - 105
Cervical spondylosis - 90, 280, 750
Character - 912
Chemotherapeutic - 209
Chiari malformation - 315, 615
Chick embryo - 445, 586
Childhood - 173
Cisternal blood clot - 714
Classification - 140
CO₂ lasers - 240
Cochran-Armitage trend test - 234
Cognitive function - 833
Coma - 720
Computed tomography - 205
Computed tomography perfusion imaging - 246
Computerized tomography - 16, 39
Conservative treatment - 725
Cordotomy - 286
Corpectomy - 646
Corpus callosum hypoplasia - 364
Cosmic - 268
Cranial nerve - 449, 805
Craniocerebral trauma - 556
Craniostomy - 871
Craniovertebral junction - 153, 389
Cross circulation - 357
CT cisternography - 699
Curcumin - 209
Curette - 97

- Cysticercosis - 744
 Daunorubicin - 291
 Decompression - 260
 Decompressive hemicraniectomy - 704
 Degenerative lumbar spinal stenosis - 260
 Delayed cerebral vasospasm - 538
 Depression - 912
 Dermoid cyst - 153, 176
 Description - 653
 Diagnostic yield - 890
 Diffusion tensor imaging - 500, 805
 Direct targeting - 900
 Disability - 912
 Discectomy - 97
 Dissection - 568
 Diverticulum - 632
 Drug resistant epilepsy - 347
 Dura mater - 240, 799
 Dural arteriovenous fistula - 518
 Dural tear - 918
 DWI lesion - 833
 Dynamic plate - 750
 Dynamic stabilization - 268
 Dysphagia - 416
 Early post-traumatic seizure - 732
 Echinococcus - 460
 Efficacy - 378
 Elderly - 84
 Embolization - 513, 518, 709
 Empty cage - 105
 En-bloc resection - 601, 690
 Endoscope - 200, 871
 Endoscopic approach - 309
 Endoscopy - 84, 286, 491, 662
 Endovascular procedures - 69
 Endovascular treatment - 215, 223, 229, 849
 Endplate - 97
 Enneking stage - 601
 Enterprise stent - 69
 Epidural anesthesia - 399
 Epidural anesthesia - 918
 Epidural bleeding - 777
 Epilepsy - 29, 352, 736
 Epilepsy surgery - 347
 Epistaxis - 357
 Erythropoietin - 930
 Etanercept - 930
 Etiology - 62, 195
 Etomidate - 930
 Expanded endonasal - 662
 Experimental - 878
 External capsule - 500
 Extradural hematoma - 205
 Fahr's syndrome - 643
 Failed back surgery syndrome - 912
 Familial - 449
 Fibroblast growth factor-2 - 582
 Final lead - 900
 Finite element method - 430
 Fisher grade - 545
 Flavopiridol - 922
 Fluorescein sodium - 185
 Fluorescence-guided surgery - 185
 Follow-up - 890
 FOXP - 586
 Frontal craniotomy - 824
 Full outline of unresponsiveness - 720
 Functional outcome - 77
 Fungus - 166
 Fusion - 97, 105, 404
 g ratio - 944
 Gamma Knife radiosurgery - 709
 General anesthesia - 399
 Genetics - 315
 GFAP - 878
 Giant arteriovenous malformations - 709
 Giant tumors - 904
 Glasgow coma scale - 720
 Glasgow outcome scale - 704
 Glatiramer acetate - 586
 Glioblastoma - 484, 799, 813
 Glioma - 209, 475, 790
 Global cerebral ischemia - 550
 GLT-1 - 736
 Grade - 678
 Gynecomastia - 166
 Head cadaver - 568
 Head injury - 732
 Headache - 456
 Health services research - 253
 Hemangiopericytoma - 173
 Hemorrhage - 341
 High-grade glioma - 185
 High-speed drill - 97
 Hippocampus - 29
 Histomorphometry - 944
 Human tail - 140
 Hydatid cyst - 460
 Hydrocephalus - 369
 Hydrogen - 854
 Hyperprolactinemia - 166
 Hypertensive cerebral hemorrhage - 84
 Hypervascular tumor - 684
 IL-6 - 119
 Immunohistochemical marker - 671
 Indirect targeting - 900
 Inflammatory cytokines - 582
 Insular - 475
 Internal capsule - 500
 Internal carotid artery - 219
 Intervertebral disc degeneration - 274
 Intervertebral disc displacement - 274
 Intra-procedural rupture - 219
 Intracerebral hematoma - 452
 Intracerebral hemorrhage - 854
 Intracerebroventricular injection - 8
 Intracranial - 173
 Intracranial aneurysm - 223, 465, 525, 533
 Intracranial dural arteriovenous fistula - 325
 Intracranial electrode implantation - 574
 Intracranial pressure - 240
 Intradural - 460
 Intraoperative bleeding - 684
 Intraoperative imaging - 771
 Intrathecal injections - 922
 Intratumoral ethyl alcohol injection - 684
 Invasion - 671
 Ischemic stroke - 8
 Jugular bulb - 953
 Keyhole - 475
 Ki-67 Proliferation index - 678
 Klippel-Feil syndrome - 153
 Lamina terminalis - 714
 Laminectomy - 280
 Large lumbar disc herniation - 111
 Lateral craniopharyngeal canal - 795
 Learning curve - 525
 Leptomeningeal dissemination - 456
 Levetiracetam - 732
 Long-term survival - 799
 Low-grade glioma - 452
 Lumbar disc herniation - 253, 595
 Lumbar disc surgery - 399
 Lumbar discectomy - 918
 Lumbar facet anatomy - 763
 Lumbar fusion surgery - 268
 Lumbar microdiscectomy - 777
 Lumbar spine fusion - 763
 Lung cancer - 635
 Lung protective ventilation - 777
 Magnetic resonance imaging - 176
 Malignant brain tumor - 185
 Malignant disease - 608
 Malignant middle cerebral artery infarct - 704
 Malondialdehyde - 384
 Management - 302
 Mass injured patients - 205
 Matrix metalloproteinase 11 - 274
 Matrix Metalloproteinase-3 - 678
 MDA - 119

- Meckel's cave - 309
 Median corpectomy - 90
 Memantine - 783
 Meningioma - 48, 662, 678
 Mesenchymal Stem cells - 127
 Metamizole sodium - 445
 Methylprednisolone - 622
 Microsurgery - 29, 48, 331
 Microsurgical anatomy - 16
 Microsurgical treatment - 449
 Middle age - 274
 Middle cerebral artery occlusion - 500
 Middle turbinate - 200
 Minimally invasive - 475, 662, 763, 871
 Minimally invasive approach - 84
 Minimally invasive procedure - 608
 Minimally invasive surgery - 260
 Minipig - 240
 Mirror movement - 153
 Mitomycin C - 291
 Morbidity - 840
 Mortality - 77
 Mortality - 840
 MR Spectroscopy - 173
 Mucosal flap - 200
 Multimodal approach - 234
 Myelopathy - 90
 N-Acetyl Cysteine - 119
 N-Cadherin - 586
 Nasal cavity - 799
 Navigation - 491, 771
 Necrosis - 783
 Nerve injury - 297
 Nerve repair - 146
 Neural protection - 930
 Neural tube defects - 445
 Neurapraxia - 297
 Neuroanatomy - 54
 Neurocranium - 866
 Neurogenic pulmonary edema - 849
 Neuronavigation - 21, 309, 574
 Neuropathic pain - 582
 Neuroprotection - 783
 Neurosurgery - 234, 744
 Neurotmesis - 297
 Neurovascular - 54
 Non-diagnostic biopsy - 890
 NPCs - 378
 Occipital condyle - 758
 Occipital condyle screws - 758
 Occipital-cervical fusion - 758
 Occipital-cervical instability - 758
 Occipital-cervical junction - 758
 Occipitocervical fusion - 615
 Occlusions of large vessels - 306
 ONYX - 518
 Onyx embolization - 325
 Oophorectomy - 62
 Ophthalmic artery - 16
 Ophthalmic segment - 223
 Origin - 653
 Osteoblastoma - 601
 Outcome - 111, 302, 513, 533
 Ozone - 860
 Ozone therapy - 860
 Parkinson's disease - 378, 900
 Patient - 253
 Pediatric - 166
 Pedicle screw - 771
 Pedigrees - 315
 PEEK Cage - 404
 Penetrating injury - 146
 Pentylenetetrazol (PTZ) - 736
 Penumbra system - 306
 Percutaneous anatomical restoration - 608
 Percutaneous balloon compression - 215
 Percutaneous technique - 286
 Percutaneous transfacet screw - 763
 Peri-procedural - 525
 Pericallosal lipoma - 364
 Perineural fibrosis - 291
 Peripheral nerve - 291, 297
 Peripheral nerve injury - 146
 Petroclival tumor - 331
 Phenytoin - 732
 Phosphoinositide-3-kinase/Akt / glycogen synthase kinase-3 β pathway - 8
 Physical Activity - 111
 Pineal tumor - 336
 Pituitary - 166
 Pituitary adenoma - 180, 671
 Pituitary hormones - 824
 Pituitary tumor - 195
 Plastic clips - 866
 Plate - 416
 PMMA - 608
 Post-cranial surgery hydrocephalus - 369
 Postconditioning - 1
 Posterior circulation - 513
 Postoperative C5 palsy - 280
 Preconditioning - 1
 Prediction - 253
 Pregnancy - 465
 Primary chiari - 315
 Primary pontine hemorrhage - 77
 Primary tumors - 690
 Prognosis - 77, 818
 Prognostic factor - 840
 Proliferation - 538
 Prophylaxis - 732
 Propolis - 437
 Pseudoaneurysm - 357
 Pulsatile tinnitus - 632, 953
 Pyogenic brain abscess - 39
 Q-VD-Oph - 783
 Radiosurgery - 21, 518
 Rat - 62, 246, 291, 622, 854, 878, 930
 Rat femoral artery - 860
 Recurrence - 595
 Reconstruction - 200
 Recurrence - 799
 Recurrent disc - 918
 Regression - 253
 Repair - 240
 Resection - 39, 336
 Resveratrol - 550
 Retrosigmoid craniotomy - 564
 Revascularization - 306
 Rhabdoid meningioma - 456
 Rhinorrhea - 699
 Rhinosinusitis - 166
 Risk factor - 195
 Rupture - 153
 Sacrococcygeal region - 904
 Safety - 378
 Satisfaction - 253
 Sciatic nerve - 944
 Screw malposition - 937
 Seawater immersion - 384
 Secondary brain injury - 384
 Secondary phase - 119
 Seizure - 341
 Sella turcica - 48
 SEP - 930
 Sex - 545
 Sheep - 286
 Shunt complication - 369
 Shunt failure - 369
 Shunt survival - 369
 Silicone dye - 568
 Silk device - 525, 533
 Skull base - 662
 Skull base tumor - 805
 Skull metastasis - 690
 Sphenoid sinus encephalocele - 795
 Spinal cord - 582
 Spinal cord development - 586
 Spinal cord injuries - 622
 Spinal cord injury - 119, 127, 437, 783, 922, 930
 Spinal dysraphism - 140
 Spinal fracture - 411
 Spinal impedance - 937
 Spinal instrumentation - 280

- Spinal surgery - 771, 937
Spinal tumor - 646
Spine VCF - 608
Spontaneous CSF fistula - 699
Spontaneous rhinorrhea - 795
Static plate - 750
Stent-assisted coil embolization - 219
Stent-assisted coiling - 632
Stereoelectroencephalography - 574
Stereotactic - 336
Stereotactic biopsy - 890
Subarachnoid hemorrhage - 465, 513, 538, 545, 714, 849, 860
Subdural Haematoma - 871
Subtemporal transtentorial approach - 331
Subthalamic nucleus - 900
Superoxide dismutase - 384
Surgery - 21, 77, 140, 169, 452, 799
Surgical approach - 690
Surgical complication - 280
Surgical management - 904
surgical method - 146
Surgical procedure - 725
Surgical site infection - 234
Surgical treatment - 39
Surveillance - 234
Survival - 484
Survivin - 484
Symptomatic vasospasm - 714
Syringomyelia - 615
- Systemic trauma - 411
Technical aspect - 525
Temozolomide - 799
Temozolomide - 813
Temperament - 912
Temporary clipping - 1
Tension pneumocephalus - 302
Thoracic spine - 635
Thoracolumbar region - 937
Three-dimensional computed tomography - 564
Three-dimensional images - 16
Timing of surgery - 411
Titanium clips - 866
Titanium mesh cage - 750
TNF- α - 119
Topical - 291
Tractography - 805
Transferrin receptor - 209
Transforaminal lumbar interbody fusion - 260
Transpedicular screw - 937
Transplantation - 127, 378
Transsylvian - 475
Transthoracic - 646
Transventricular approach - 21
Transverse-sigmoid sinus - 564
Trapping - 357
Trauma - 146
Traumatic brain injury - 720, 878
Traumatic subdural effusion - 725
- Treatment - 169
Trigeminal cardiac reflex - 325
Trigeminal neuralgia - 180, 215
TrkB - 736
Tuberculum sellae meningioma - 824
Tubular retractor - 491
Tumorigenic - 813
TUNEL - 437
Vagal nerve stimulation - 352
Vagus nerve stimulation - 347
Variation - 54, 653
Vascular complication - 215
Vascular endothelial growth factor - 8
Vascular pattern - 484
Vascular smooth muscle cell - 538
Vasospasm - 545, 860
Vein of hypoglossal canal - 953
Venous sinus - 632
Ventriculoperitoneal shunt - 369
Vertebral artery - 389
Vertebral metastases - 635
Vertebral perforation procedure - 423
Vertebroplasty - 423
Visual disorders - 48
Vitamin B12 - 944
Volume rendering - 16
WAG/Rij rat - 352
Willis polygon - 54
YELLOW 560 nm filter - 185
Zero-P - 416