

ISSN 1019 -5149

TURKISH

# NEUROSURGERY



NUMBER

4

VOLUME 4 OCTOBER 1994

# TURKISH NEUROSURGICAL SOCIETY

## PAST PRESIDENTS

NURHAN AVMAN  
AYKUT ERBENĐİ  
ÖZDEMİR GÜRÇAY  
TUNÇALP ÖZGEN  
YÜCEL KANPOLAT  
OSMAN EKİN ÖZCAN  
ERTEKİN ARASIL

## OFFICERS OF THE SOCIETY

JUNE 1994 - MAY 1995

YAMAÇ TAŞKIN  
PRESIDENT

SAFFET MUTLUER  
VICE PRESIDENT

NUR ALTINÖRS  
SECRETARY

ALİ ÇETİN SARIOĐLU  
ASSOCIATE SECRETARY

MURAD BAVBEK  
TREASURER

TURKISH NEUROSURGICAL SOCIETY

ADDRESS:

BÜKLÜM SOKAK 82/3  
KAVAKLIDERE 06700  
ANKARA, TÜRKİYE  
TEL : 90 312 4266764  
FAX : 90 312 4268811

TURKISH

# NEUROSURGERY

OFFICIAL PUBLICATION OF THE TURKISH NEUROSURGICAL SOCIETY

## PAST EDITORS

TUNÇALP ÖZGEN  
YÜCEL KANPOLAT  
OSMAN EKİN ÖZCAN  
ERTEKİN ARASIL  
SELÇUK PALAOĞLU

## EDITOR

NUR ALTINÖRS  
Ankara

## ASSOCIATE EDITOR

H. ZAFER KARS  
Ankara

## ASSISTANT EDITOR

ETEM BAŞKONAKLI  
Ankara

## EDITORIAL BOARD

### NEUROSURGERY

- |   |   |   |
|---|---|---|
| FADIL AKTÜRK<br>Trabzon                         | YÜCEL KANPOLAT<br>Ankara                        | M. NECMETTİN PAMİR<br>İstanbul                |
| OSSAMA AL-MEFTY<br>Maywood, Illinois            | ENDER KORFALI<br>Bursa                          | AYDIN PAŞAOĞLU<br>Ankara                      |
| MICHAEL L. J. APUZZO<br>Los Angeles, California | CLAUDE LAPRAS<br>Lyon                           | ALİ ÇETİN SARIOĞLU<br>İstanbul                |
| İSMAİL HAKKI AYDIN<br>Erzurum                   | EDWARD R. LAWS, JR<br>Charlottesville, Virginia | METE SAVEREN<br>Antalya                       |
| KEMALİ BAYKANER<br>Ankara                       | JOSEPH C. MAROON<br>Pittsburgh, Pennsylvania    | LALIGAM N. SEKHAR<br>Pittsburgh, Pennsylvania |
| REINDER BRAAKMAN<br>Rotterdam                   | DAVID G. McLONE<br>Chicago, Illinois            | MARC PIERRE SINDOU<br>Lyon                    |
| MARIO BROCK<br>Berlin                           | SAFFET MUTLUER<br>İzmir                         | ROBERT F. SPETZLER<br>Phoenix, Arizona        |
| FAHRETTİN ÇELİK<br>Samsun                       | EVANDRO DE OLIVEIRA<br>Sao Paulo                | EŞREF TEL<br>Eskişehir                        |
| HALUK DEDA<br>Ankara                            | ROBERT G. OJEMANN<br>Boston, Massachusetts      | DAVID G. T. THOMAS<br>London                  |
| RUDOLPH FAHLBUSCH<br>Erlangen                   | NURCAN ÖZDAMAR<br>İzmir                         | ERDENER TİMURKAYNAK<br>Ankara                 |
| FLEMMING GJERRIS<br>Copenhagen                  | TUNÇALP ÖZGEN<br>Ankara                         | NICOLAS DE TRIBOLET<br>Lausanne               |
| METİN GÜNER<br>İzmir                            | ERTUĞ ÖZKAL<br>Konya                            | İNAN TURANTAN<br>İstanbul                     |
| SEBAHATTİN HACIYAKUPOĞLU<br>Adana               | SELÇUK PALAOĞLU<br>Ankara                       | MAHMUT GAZI YAŞARGİL<br>Zurich                |

SPECIAL CONSULTANTS

KAPLAN ARINCI  
Ankara

PINAR AYDIN  
Ankara

İSMAİL HAKKI AYHAN  
Ankara

ÜLKÜ AYPAR  
Ankara

MOİS BAHAR  
İstanbul

SARA BAHAR  
İstanbul

AYNUR BASLO  
İstanbul

ÇİÇEK BAYINDIR  
İstanbul

BARIŞ DİREN  
Ankara

CUMHUR ERTEKİN  
İzmir

AHMET GÖĞÜŞ  
Ankara

FİKRI İÇLİ  
Ankara

TÜLAY KANSU  
Ankara

ZEYNEL A. KARCIÖĞLU  
New Orleans, Louisiana

BEHSAN ÖNOL  
Ankara

NURİ ÖZGİRGİN  
Ankara

AYDIN SAV  
İstanbul

BERND W. SCHEITHAUER  
Rochester, Minnesota

REHA TOLUN  
İstanbul

YÜCEL TÜMER  
Ankara

İLTER UZER  
Ankara

EDITORIAL OFFICE

NUR ALTINÖRS

ZAFER KARS

ETEM BEŞKONAKLI

HAKAN CANER

SEMA TUTUMEL

MUKADDER KARAKAYA

CAN KANGAL

FLORA CALLABY

Subscription information :

Annual subscription rate for 1994:

America, East Asia, Australia, Africa \$ 50, Europe, Middle East \$ 40 for 4 issues (Volume 3).

Residents; America, East Asia, Australia, Africa \$ 45, Europe, Middle East \$ 35 for 4 issues (Volume 3).

Institutes; America, East Asia, Australia, Africa \$ 60 Europe, Middle East \$ 50 for 4 issues (Volume 3).

Subscription fees should be checks payable to Turkish Neurosurgical Society (Türk Dış Ticaret Bankası, - Turkish Foreign Trade Bank, Kavaklıdere Şubesi, Ankara, Türkiye, Bank Account; 301 03)

Change of address; Both old and new addresses should be stated and sent to the Turkish Neurosurgical Society.

Published quarterly by the Turkish Neurosurgical Society, one volume per year beginning in January.

Copyright by the Turkish Neurosurgical Society.

This journal is covered by the Elsevier Science B.V., Excerpta Medica.

ISSN 1019 - 5149

Tey Title : Turkish Neurosurgery

Abbr. Key Title : Turk. Neurosurg.

Cover : A latin gravure found in a book published in Europe in 16<sup>th</sup> century Turkish physician Avicenna between Galenos (Bergama, western Anatolia) and Hippocrates (Kos). Reprinted from İBN SİNÂ, Türk Tarih Kurumu Basımevi, Ankara, 1984 with the permission of the Turkish Historical Society.

All communication regarding advertising, subscription should be addressed to;

TURKISH NEUROSURGERY  
BÜKLÜM SOKAK 82/3,  
KAVAKLIDERE 06700  
ANKARA, TÜRKİYE

TEL : 90 312 4266764

FAX : 90 312 4268811

Printed by TİSAMAT, Ankara, Türkiye

## C O N T E N T S

---

<b>Malignant Meningiomas: A Clinical Review.....</b>	<b>147</b>
Ü.Acar, Ü. Kirişođlu, C. Özdemir	
<b>Carpal Tunnel Cross Sectional Area Measurement in Carpal Tunnel Syndrome.....</b>	<b>153</b>
K. Öge, F. Başaran Demirkazık, G. Nurlu, S. İnci, A. Erbenđi	
<b>Tissue Expander Applications in Huge Meningomyelocele Cases.....</b>	<b>157</b>
N. Savacı, Ö. Güney, U. Erongun	
<b>Cerebellar Arteriovenous Malformation Associated With Multiple PICA Aneurysms.....</b>	<b>161</b>
T. Orbay, H. Alp, F. Dođulu, S. Alp, H. Tosun, Ş. Aykol	
<b>Giant Primary Intradiploic Occipital Bone Epidermoid Tumor: A Case Report.....</b>	<b>165</b>
H. Atabay, S. Bardakçı, Y. Erşahin, Ü. Bayol	
<b>Cervical Intradural Extramedullary Hydatid Cyst.....</b>	<b>169</b>
A.İ. Göçer, M. Tuna, F. İldan, H. Bağdatođlu, S. Hacıyakupođlu	
<b>Intramedullary Spinal Cord Metastasis: Case Report.....</b>	<b>172</b>
T. Cordan, A. Bekar, K. Türeyn, Ş. Dođan	
<b>Management of Maternal Hydrocephalus: A Case Report .....</b>	<b>174</b>
A. Kurtsoy, A. Selçuklu, R. Kemal Koç, A. Paşaođlu, A.İ. Kavuncu	
<b>Occult Intrasacral Meningocele Associated With Tethered Cord Syndrome.....</b>	<b>176</b>
H. Atabay, Y. Erşahin, S. Mutluer, H. Mirzai	
<b>Correspondence.....</b>	<b>180</b>

