

Asst. Prof. BAHADIR KONUŞKAN

Personal Information

Office Phone: [+90 312 305 1185](tel:+903123051185)

Office Phone: [+90 312 305 1165](tel:+903123051165)

Email: bahadir.konuskan@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/bahadir.konuskan>

Address: ihsan doğramacı çocuk hastanesi çocuk nörolojisi bölümü sıhhiye ankara

Education

Undergraduate Minor, Hacettepe University, Tıp Fakültesi, Çocuk Sağlığı Ve Hastalıkları, Turkey 2009 - Continues

Undergraduate, Erciyes University, Dahili Tıp Bil., Çocuk Sağlığı Ve Hastalıkları, Turkey 2003 - 2008

Expertise In Medicine, Erciyes University, Dahili Tıp Bil., Çocuk Sağlığı Ve Hastalıkları, Turkey 2003 - 2008

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Medicine, Health Sciences, Internal Medicine Sciences, Child Health and Diseases, Pediatric Neurology, Pediatric Immunology and Allergy, Neurology

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Tumefactive demyelinating lesions in children**
Selek A., GÖÇMEN R., GÜNBEY C., Konuskan B., Onel I., Anlar B.
EUROPEAN JOURNAL OF PAEDIATRIC NEUROLOGY, pp.33-37, 2025 (SCI-Expanded)
- II. **Neurodevelopmental Outcomes of Pediatric Cardiac Extracorporeal Membrane Oxygenation Survivors With Central Cannulation**
SARITAŞ NAKİP Ö., KESİCİ S., Konuskan G. D., UYSAL YAZICI M., Konuskan B., BAYRAKCI B.
AJIDD-AMERICAN JOURNAL ON INTELLECTUAL AND DEVELOPMENTAL DISABILITIES, vol.129, no.5, pp.377-386, 2024 (SSCI)
- III. **Role of serostatus in pediatric neuromyelitis optica spectrum disorders: A nationwide multicentric study**
Solmaz I., ÖNCEL İ. H., Konuşkan B., Erol I., Orgun L. T., Yılmaz Ü., Ünalp A., Atasoy E., Aksoy E., Yılmaz D., et al.
Multiple Sclerosis and Related Disorders, vol.77, 2023 (SCI-Expanded)
- IV. **Clinically important intracranial abnormalities in children presenting with first focal seizure**
Kasap T., TEKŞAM Ö., Turanlı G., KONUŞKAN B., Oğuz K. K., Haliloğlu G., YALNIZOĞLU D.
Turkish Journal of Pediatrics, vol.65, no.1, pp.96-108, 2023 (SCI-Expanded)
- V. **Practices of pediatric emergency physicians on the first febrile and afebrile seizures: a research in European Pediatric Emergency Medicine Survey Study**
TEKŞAM Ö., Serdaroglu E., Haliloglu G., KONUŞKAN B., YALNIZOĞLU D.

EUROPEAN JOURNAL OF EMERGENCY MEDICINE, vol.29, no.6, pp.455-457, 2022 (SCI-Expanded)

- VI. **Frequency of myelin oligodendrocyte glycoprotein antibodies in pediatric onset multiple sclerosis**
SOLMAZ İ., Doran T., Yousefi M., KONUŞKAN B., Oncel İ. H., Vural A., Anlar B.
MULTIPLE SCLEROSIS AND RELATED DISORDERS, 2022 (SCI-Expanded)
- VII. **Synthetic MRI in children with tuberous sclerosis complex**
ÇOBAN ÇİFÇİ G., GÜMELELER E., PARLAK SAĞOL Ş., KONUŞKAN B., KARAKAYA KARABULUT J., YALNIZOĞLU D., Anlar B., Oguz K. K.
INSIGHTS INTO IMAGING, vol.13, no.1, 2022 (SCI-Expanded)
- VIII. **Synthetic MRI in Neurofibromatosis Type 1.**
Coban G., Parlak S., Gumeler E., Altunbuker H., Konuskan B., Karakaya J., Anlar B., Oguz K. K.
AJNR. American journal of neuroradiology, vol.42, no.9, pp.1709-1715, 2021 (SCI-Expanded)
- IX. **Comparison of serum anti-neuronal antibody levels in patients having autism spectrum disorder with and without regression**
ASLAN C., KONUŞKAN B., ŞENER B., Unal F.
TURKISH JOURNAL OF PEDIATRICS, vol.63, no.5, pp.780-789, 2021 (SCI-Expanded)
- X. **Impairment of vestibulo-collic reflex and linear vestibulo-ocular reflex in pediatric-onset multiple sclerosis patients**
ERTUĞRUL G., AKSOY S., KONUŞKAN B., Eskandarian L., Oguz K. K., Anlar B.
CLINICAL NEUROPHYSIOLOGY, vol.132, no.8, pp.1813-1819, 2021 (SCI-Expanded)
- XI. **Comprehensive clinical, biochemical, radiological and genetic analysis of 28 Turkish cases with suspected metachromatic leukodystrophy and their relatives**
Pekgul F., Eroglu-Ertugrul N. G., Bekircan-Kurt C. E., Erdem-Ozdamar S., Cetinkaya A., Tan E., Konuskan B., Karaagaoglu E., Topcu M., Akarsu N. A., et al.
MOLECULAR GENETICS AND METABOLISM REPORTS, vol.25, 2020 (SCI-Expanded)
- XII. **Aprepitant in the Treatment of Subacute Sclerosing Panencephalitis: A Randomized, Double-Blind, Placebo-Controlled Study**
Oncel İ. H., SANCAR M., KONUŞKAN B., Arioz F., TEZCAN S., ARMAN KANDIRMAZ E., PARLAK Ş., GÜMELELER E., Anlar B.
PEDIATRIC NEUROLOGY, pp.59-63, 2020 (SCI-Expanded)
- XIII. **Vestibulo-ocular reflex involvement in childhood-onset multiple sclerosis**
ERTUĞRUL G., Konuskan B., Solmaz I., Anlar B., Aksoy S.
MULTIPLE SCLEROSIS AND RELATED DISORDERS, vol.44, 2020 (SCI-Expanded)
- XIV. **Long-term effects of vagus nerve stimulation in refractory pediatric epilepsy: A single-center experience**
YALNIZOĞLU D., ARDIÇLI D., BİLGİNER B., KONUŞKAN B., Oguz K. K., AKALAN N., Turanli G., SAYGI S., TOPÇU M.
EPILEPSY & BEHAVIOR, vol.110, 2020 (SCI-Expanded)
- XV. **Acute Cerebellitis or Postinfectious Cerebellar Ataxia? Clinical and Imaging Features in Acute Cerebellitis**
Yildirim M., GÖÇMEN R., KONUŞKAN B., PARLAK Ş., YALNIZOĞLU D., Anlar B.
JOURNAL OF CHILD NEUROLOGY, vol.35, no.6, pp.380-388, 2020 (SCI-Expanded)
- XVI. **Cognitive functions in pediatric multiple sclerosis: 2-years follow-up**
Ozturk Z., GÜCÜYENER K., Soysal S., Konuskan G. D., KONUŞKAN B., DİKMEN A. U., Anlar B.
NEUROLOGICAL RESEARCH, vol.42, no.2, pp.159-163, 2020 (SCI-Expanded)
- XVII. **Pediatric headache and neuroimaging: experience of two tertiary centers**
Pektezel M. Y., Konuskan B., Sonmez F. M., Oguz K. K., Anlar B.
CHILDS NERVOUS SYSTEM, vol.36, no.1, pp.173-177, 2020 (SCI-Expanded)
- XVIII. **Treatment in childhood central nervous system demyelinating disorders**
KONUŞKAN B., Anlar B.
DEVELOPMENTAL MEDICINE AND CHILD NEUROLOGY, vol.61, no.11, pp.1281-1289, 2019 (SCI-Expanded)
- XIX. **Epilepsy in neurofibromatosis type 1: Diffuse cerebral dysfunction?**
Serdaroglu E., KONUŞKAN B., Oguz K. K., Gurler G., YALNIZOĞLU D., Anlar B.

EPILEPSY & BEHAVIOR, vol.98, pp.6-9, 2019 (SCI-Expanded)

- XX. **Two sisters with anti-MuSK-positive myasthenia gravis**
KURT E., Bekircan-Kurt C. E., KONUŞKAN B., ERKENT ERCAN İ., Tan E., Anlar B.
CLINICAL NEUROLOGY AND NEUROSURGERY, vol.182, pp.17-18, 2019 (SCI-Expanded)
- XXI. **Optic neuropathies in childhood: a review of etiology and treatment**
GÜNBEY C., Konuskan B.
TURKISH JOURNAL OF PEDIATRICS, vol.61, no.4, pp.471-476, 2019 (SCI-Expanded)
- XXII. **Laboratory diagnosis of metachromatic leukodystrophy requires more than arylsulfatase A assay**
Pekgul F., Bekircan-Kurt C. E., Konuskan B., Erdem-Ozdamar S., Tan E., Akarsu N., Topcu M., Anlar B., Ozkara H. A.
FEBS OPEN BIO, vol.9, pp.199, 2019 (SCI-Expanded)
- XXIII. **Retrospective analysis of children with myelin oligodendrocyte glycoprotein antibody-related disorders**
KONUŞKAN B., Yildirim M., GÖÇMEN R., Okur T. D., Polat I., Kilic H., Saltik S., Ozturk Z., GÜCÜYENER K., ALTUNBAŞAK Ş., et al.
MULTIPLE SCLEROSIS AND RELATED DISORDERS, vol.26, pp.1-7, 2018 (SCI-Expanded)
- XXIV. **Electrophysiological Subtypes and Prognostic Factors of Childhood Guillain-Barre Syndrome**
KONUŞKAN B., OKUYAZ Ç., Tasdelen B., Hiz Kurul S., Anlar B.
NOROSIKIYATRI ARSIVI-ARCHIVES OF NEUROPSYCHIATRY, vol.55, no.3, pp.199-204, 2018 (SCI-Expanded)
- XXV. **Cardiac rhabdomyosarcomas, association with tuberous sclerosis complex and everolimus treatment: single center experience**
AYPAR E., KURUCU N., VARAN A., AYDIN G. B., YALÇIN B., KONUŞKAN B., ANLAR F. B., ERTUĞRUL İ., AYKAN H. H., KARAGÖZ T., et al.
Cardiology In The Young, vol.28, pp.1-176, 2018 (SCI-Expanded)
- XXVI. **Disease Course and Treatment Responses in Children With Relapsing Myelin Oligodendrocyte Glycoprotein Antibody-Associated Disease**
Hacohen Y., YiWong Y., Lechner C., Jurynczyk M., Wright S., KONUŞKAN B., Kalser J., Poulat A. L., Maurey H., Ganelin-Cohen E., et al.
JAMA NEUROLOGY, vol.75, no.4, pp.478-487, 2018 (SCI-Expanded)
- XXVII. **MRI of the first event in pediatric acquired demyelinating syndromes with antibodies to myelin oligodendrocyte glycoprotein**
Baumann M., Grams A., Djurdjevic T., Wendel E., Lechner C., Behring B., Blaschek A., Diepold K., Eisenkoelbl A., Fluss J., et al.
JOURNAL OF NEUROLOGY, vol.265, no.4, pp.845-855, 2018 (SCI-Expanded)
- XXVIII. **Neurologic Involvement in Primary Immunodeficiency Disorders**
Yildirim M., Ayvaz D. N., Konuskan B., GÖÇMEN R., Tezcan I., TOPÇU M., Topaloglu H., Anlar B.
JOURNAL OF CHILD NEUROLOGY, vol.33, no.5, pp.320-328, 2018 (SCI-Expanded)
- XXIX. **Multiple Sclerosis with Onset Younger Than 10 Years in Turkey**
Ozturk Z., Yilmaz U., KONUŞKAN B., GÜCÜYENER K., DEMİR E., Anlar B.
NEUROPEDIATRICS, vol.49, no.1, pp.51-58, 2018 (SCI-Expanded)
- XXX. **Clinical presentation of anti-N-methyl-D-aspartate receptor and anti-voltage-gated potassium channel complex antibodies in children: A series of 24 cases**
Konuskan B., Yildirim M., Topaloglu H., Erol I., Oztoprak Ü., Tan H., Göçmen R., Anlar B.
EUROPEAN JOURNAL OF PAEDIATRIC NEUROLOGY, vol.22, no.1, pp.135-142, 2018 (SCI-Expanded)
- XXXI. **Electroencephalographic findings in anti-N-methyl-D-aspartate receptor encephalitis in children: A series of 12 patients**
YILDIRIM M., KONUŞKAN B., YALNIZOĞLU D., Topaloglu H., Erol I., Anlar B.
EPILEPSY & BEHAVIOR, vol.78, pp.118-123, 2018 (SCI-Expanded)
- XXXII. **Unusual Presentations of Childhood Systemic Lupus Erythematosus to the Emergency Department.**
Gültekinil K., ERTUĞRUL İ., TEKŞAM Ö., KONUŞKAN B., ÖZKUTLU S., Özen S.
Pediatric emergency care, vol.33, 2017 (SCI-Expanded)
- XXXIII. **Congenital Tuberculosis after in-vitro Fertilization in a Woman Previously Undiagnosed with**

Tuberculosis Salpingitis

EMIRALIOGLU N., Dogru D., OGUZ B., YALCIN E., OZCELIK U., KONUSKAN B., CENGİZ A., KİPER N.
PEDIATRICS AND NEONATOLOGY, vol.57, no.6, pp.539-540, 2016 (SCI-Expanded)

XXXIV. **Unfavorable outcome of pediatric onset multiple sclerosis: Follow-up in the pediatric and adult neurology departments of one referral center, in Turkey**

Derle E., Kurne A. T., KONUSKAN B., KARABUDAK R., Anlar B.

MULTIPLE SCLEROSIS AND RELATED DISORDERS, vol.9, pp.1-4, 2016 (SCI-Expanded)

XXXV. **Acute Abducens Nerve Paralysis in the Pediatric Emergency Department Analysis of 14 Patients**

TEKŞAM Ö., GÜLTEKİNGİL KESER A., KONUSKAN B., Haliloglu G., Oguz K. K., YALNIZOĞLU D.

PEDIATRIC EMERGENCY CARE, vol.32, no.5, pp.307-311, 2016 (SCI-Expanded)

XXXVI. **Mesenchymal stem cell application in children with subacute sclerosing panencephalitis**

KUSKONMAZ B. B., UCKAN D., YALNIZOĞLU D., GUENEL M., OGUZ K. K., Konuskan B., ANLAR B.

DEVELOPMENTAL MEDICINE AND CHILD NEUROLOGY, vol.57, no.9, pp.880-883, 2015 (SCI-Expanded)

XXXVII. **Neuromyelitis optica in children: a review of the literature**

Derle E., Gunes H. N., KONUSKAN B., Tuncer-Kurne A.

TURKISH JOURNAL OF PEDIATRICS, vol.56, no.6, pp.573-580, 2014 (SCI-Expanded)

XXXVIII. **Milestones of language development in Turkish children**

Muluk N. B., BAYOGLU B., Konuskan B., ANLAR B.

B-ENT, vol.9, no.4, pp.299-306, 2013 (SCI-Expanded)

XXXIX. **Cadaveric observation of an aberrant left subclavian artery: A possible cause of thoracic outlet syndrome**

Konuskan B., Bozkurt M., Tagil S., Ozcakar L.

CLINICAL ANATOMY, vol.18, no.3, pp.215-216, 2005 (SCI-Expanded)

Articles Published in Other Journals

I. **Narrative review based on fingolimod therapy in pediatric MS**

Piri Cinar B., Konuskan B., Anlar B., ÖZAKBAŞ S.

SAGE Open Medicine, vol.11, 2023 (Scopus)

II. **Novel Missense ALDH3A2 Mutation in a Patient with Sjogren-Larsson Syndrome**

Tagiyev A., Cavdarli B., KONUSKAN B., Topaloglu H.

JOURNAL OF PEDIATRIC NEUROLOGY, vol.18, no.3, pp.166-168, 2020 (ESCI)

III. **Uncontrolled inflammation of the nervous system: Inherited CD59 deficiency**

Yuksel D., Oguz K. K., Azapagasi E., Kesici S., Cavdarli B., Konuskan B., Topaloglu H.

NEUROLOGY-CLINICAL PRACTICE, vol.8, no.5, 2018 (ESCI)

IV. **Sydenham's Chorea: A Case Report and Review of the Literature**

KARADAĞ ÖNCEL E., ÖZSÜREKÇİ Y., KONUSKAN B., Haliloglu G., ERTUĞRUL İ., ALEHAN D., KARA A.

JOURNAL OF PEDIATRIC INFECTION, vol.6, no.2, pp.54-58, 2012 (ESCI)

Books

I. **Engellilerde Fiziksel Aktivite**

TURAN A., AKI E., BUMİN G., TUNCA YILMAZ Ö., KARACA A., EKİCİ G., ÖKSÜZ Ç., ANAFOROĞLU B., ATASAVUN UYSAL S., KONUSKAN B., et al.

in: Türkiye Fiziksel Aktivite Rehberi, Haydar Demirel, Hülya Kayıhan, Elif N. Özmert, Asuman Doğan, Editor, Kuban Matbaacılık Yayıncılık, Ankara, pp.83-99, 2014

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Cardiac Rhabdomyomas, Association with Tuberous Sclerosis Complex and Everolimus Treatment: Single Center Experience**
AYPAR E., kurucu n., VARAN A., YALÇIN B., KONUŞKAN B., ANLAR F. B., ERTUĞRUL İ., AYKAN H. H., KARAGÖZ T., AKYÜZ C.
14th international congress of update in cardiology and cardiovascular surgery, 5 - 08 April 2018, pp.32-33, (Summary Text)
- II. **Disease course and treatment responses in children with relapsing myelin oligodendrocyte glycoprotein antibodies (MOG-Ab) associated disease**
Hacohen Y., Wong Yuyi W. Y., Lechner C., Jurynczyk M., Wright S., KONUŞKAN B., Poulat A. L., Maurey H., Wassmer E., Hemingway C., et al.
70th Annual Meeting of the American-Academy-of-Neurology (AAN), Los-Angeles, Chile, 21 - 27 April 2018, vol.90, (Summary Text)
- III. **Disease course and immunotherapies responses in children with relapsing myelin oligodendrocyte glycoprotein antibodies (MOG-Ab)-associated disease**
Hacohen Y., Wong Y. Y., Lechner C., Jurynczyk M., Wright S., Konuskan B., Kalser J., Poulat A. L., Maurey H., Ganelin-Cohen E., et al.
7th Joint European-Committee-for-Treatment-and-Research-in-Multiple-Sclerosis (ECTRIMS)-Americas-Committee-for-Treatment-and-Research-in-Multiple-Sclerosis (ACTRIMS), Paris, France, 25 - 28 October 2017, vol.23, pp.103-104, (Summary Text)
- IV. **Riboflavin transporter deficiency**
Serdaroglu E., Konuskan B., Haliloglu G., Alikasifoglu M., Topaloglu H.
22nd International Annual Congress of the World-Muscle-Society (WMS), Saint-Lo, France, 3 - 07 October 2017, vol.27, (Summary Text)
- V. **Autonomic functions in patients with congenital myasthenic syndrome due to mutations in the acetylcholine receptor epsilon subunit**
günbey c., sel k., AYKAN H. H., KONUŞKAN B., TEMUÇİN Ç. M., ANLAR F. B.
12 th congress of EPNS, 20 - 24 June 2017, (Summary Text)
- VI. **Spectrum of autoantibodies against myelin oligodendrocyte glycoprotein**
VURAL A., TUNCER M. A., M SPADARO M., KONUŞKAN B., GÖÇMEN R., ANLAR F. B., M REINDL M., KARABUDAK R., MEINL E.
3rd Congress of the European Academy of Neurology, Amsterdam, Netherlands, 24 - 27 June 2017, vol.24, pp.19-122, (Summary Text)
- VII. **Acute cerebellitis in children: A series of eight cases**
YILDIRIM M., GÖÇMEN R., KONUŞKAN B., YALNIZOĞLU D., ANLAR F. B.
12th The European Paediatric Neurology Society (EPNS) Congress, Lyon, France, 20 - 24 June 2017, vol.21, pp.121, (Summary Text)
- VIII. **CSF withdrawal for pseudotumor cerebri**
GÖÇMEN R., SERDAROĞLU E., KONUŞKAN B.
British Paediatric Neurology Association Annual Meeting, Cambridge, United Kingdom, 11 - 13 January 2017, vol.59, pp.19-108, (Summary Text)
- IX. **Magnetic resonance imaging findings in pediatric tuberoussclerosis patients**
ANLAR F. B., GÖÇMEN R., SERDAROĞLU E., KONUŞKAN B., YALNIZOĞLU D.
The European Paediatric Neurology Society (EPNS), 27 - 30 May 2015, vol.19, pp.131, (Summary Text)
- X. **Bone Marrow Transplantation in a child with mitochondrial neurogastrointestinal encephalomyopathy syndrome**
KUŞKONMAZ B. B., Elmaz S. A., Konuskan B., YÜCE A., Topaloglu H., Cetinkaya D. U.
41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50, pp.5599-5600, (Summary Text)
- XI. **EVALUATION OF PATIENTS WITH TUBEROUS SCLEROSIS COMPLEX ADMITTED TO PEDIATRIC VIDEO-EEG MONITOING UNIT**
Serdaroglu E., Konuskan B., Bilginer B., Oguz K. K., Anlar B., Topcu M., Turanli G., Yalnizoglu D.

31st International Epilepsy Congress, İstanbul, Turkey, 5 - 09 September 2015, vol.56, pp.244, (Summary Text)

XII. EFFICACY OF RUFINAMIDE THERAPY IN CHILDREN WITH REFRACTORY EPILEPSY

Konuskan B., Gungor M., Haliloglu G., Yalnizoglu D., Topcu M.

31st International Epilepsy Congress, İstanbul, Turkey, 5 - 09 September 2015, vol.56, pp.90-91, (Summary Text)

XIII. LONG-TERM OUTCOME OF VAGUS NERVE STIMULATION IN CHILDHOOD ONSET REFRACTORY EPILEPSY

Konuskan B., Ardicli D., Bilginer B., Oguz K. K., Akalan N., Turanli G., Topcu M., Yalnizoglu D.

31st International Epilepsy Congress, İstanbul, Turkey, 5 - 09 September 2015, vol.56, pp.160, (Summary Text)

Funded Projects

ANLAR F. B., Tağıyev A., KONUSKAN B., YALNIZOĞLU D., Project Supported by Higher Education Institutions, Temporal lob epilepsi hastalarında inflamatuvar immün belirteçler, 2018 - 2020

ANLAR F. B., EROĞLU ERTUĞRUL N. G., TAN Ç., ÇAĞDAŞ AYVAZ D. N., TEZCAN F. İ., ÖZBEK B., KONUSKAN B., Project Supported by Higher Education Institutions, Hedef Gen Yeni Nesil Dizileme Yöntemi ile Subakut Sklerozan Panensefalit (SSPE) Hastalığı İlişkili Gen Mutasyonlarının Tespiti, 2017 - 2020

CENGİZ A. B., ÖZSÜREKÇİ Y., CEYHAN M., KONUSKAN B., EROĞLU ERTUĞRUL N. G., ÇOŞGUN Y., KORUKLUOĞLU G., ANLAR F. B., TANIR BAŞARANOĞLU S., GÜNBEY C., Project Supported by Higher Education Institutions, Çocuklarda akut ve subakut ensefalitlerin etiolojisinde viral ve otoimmün etkenlerin dağılımı prospektif bir çalışma, 2017 - 2019

ÖZKARA H. A., KURT C. E., ERDEM ÖZDAMAR S., TAN M. E., KONUSKAN B., KARAAĞAOĞLU A. E., PEKGÜL F., TOPÇU M., ANLAR B., AKARSU A. N., Project Supported by Higher Education Institutions, Metakromatik lökodistrofi hastalığının alt tiplerinin tanımlanması, patojenik mutasyonların belirlenmesi, patogeneizde inflamasyonun incelenmesi, 2017 - 2019

ÜNAL M. F., KONUSKAN B., ASLAN C., ŞENER B., Project Supported by Higher Education Institutions, Otizm Spektrum Bozukluğunda Regresyon ile İlişkili Klinik ve Otoimmün Değişkenler, 2016 - 2018

Metrics

Publication: 57

Citation (WoS): 211

Citation (Scopus): 77

H-Index (WoS): 7

H-Index (Scopus): 6