

出國報告(出國類別：出國開會)

國際神經心理協會 2014 年中會議

服務機關：國防醫學院三軍總醫院

姓名職稱：紀佳杏 臨床心理師

派赴國家：以色列

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摘要

此次參加國際神經心理協會 2014 年中會議，這是一年一度神經心理學國際盛事，會議中邀請許多資深神經心理學教授、神經科學研究者、臨床神經心理工作者，以及正在研讀神經心理學領域的學生們，共同對於神經心理學等相關議題作深入探討與研究。此次於會議中與各國不論在研究領域或臨床上的專業人員互相交流受益良多，面對神經心理學相關領域的議題，傾採以生理心理社會觀點模式來做探討與治療，進而能全面性地瞭解個案的狀況、病理機制，並且制定符合個案需求的治療方式，重建腦部損傷者的希望，亦提昇他們的生活品質。另外，有些國家因為融合許多種族，面對不同疾病可能有文化的問題，且工具的使用也是一個挑戰，但團隊的研究合作，著實一一的克服該些問題，此外，美國學者探討阿茲海默症病因，採以受試者條件一致，並以長期追蹤的方式來探討，相當有趣。總之，此次看到各國在神經心理學的共同與相異處，受益良多。

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本文

目的

參加此次國際會議主要是作壁報論文發表，將臨床研究提出與國際交流，讓他國了解我國神經心理學的發展狀況與努力方向。同時，藉此了解他國在神經心理學的病理或治療的概況與研究取向，互相交流，提昇神經心理學國際觀。再則，可以學習他國經驗，以應用於國內。

過程

2014.07.07-08 抵達以色列耶路撒冷

2014.07.09

8:30AM--註冊報到



10:00~11:30AM-- Poster Session 1-壁報發表

主題:Poster Session 1-壁報發表：題目：原發性水腦症在進行引流術後的認知功能變化：復原的趨勢。作者:紀佳杏、陳震宇、彭家勛、馬辛一、蔣詩偉
內容摘要：

目標：裝置腦室腹腔引流管的手術治療可改善原發性水腦症患者的認知功能表現，這個議題一直備受爭議。本研究即針對原發性水腦症裝置腦室腹腔引流管的患者，在神經心理表現的變化做長期的追蹤和檢視。

受試者和方法：本研究納入 19 位符合原發性水腦症診斷標準的患者，所有患者都在進行腰椎引流手術前後進行神經學、放射學，和神經心理功能的檢視，且在腰椎引流手術後，都呈現至少有一項臨床症狀獲得改善。他們以裝置腦室腹腔引流管做治療，並以腰椎引流手術前的神經心理檢視之評估結果作為基準，分別在此基準點後的一個月、四個月和十二個月做完整的神經心理測驗追蹤與檢

視。因為總總因素，分別於基準點後的一個月只有 5 位病人，四個月只有 7 位病人，以及十二個月只有 6 位病人參與追蹤評估。每一次都使用相同的神經心理測驗來測量整體認知功能、視覺建構、記憶和學習，以及語文流暢度。這些測驗包含魏氏成人智力量表-第三版(WAIS-III)、魏氏記憶力量表-第三版的字詞分測驗(WMS-III)、瑞氏複雜圖形測驗(RCFT)，以及控制性中文語意聯想。

結果：使用魏克森符號等級檢定法，重複測量單一樣本在手術前後認知功能表現的結果之比較。在一個月追蹤的評估結果顯示於整體認知功能和記憶力都有顯著差異($p < 0.05$)，在四個月追蹤時，於記憶力和語文流暢度都顯示有改善，在十二個月的追蹤評估時，顯示在整體認知功能和記憶力也都顯示有顯著差異($p < 0.05$)。

結論：本研究針對原發性水腦症患者做長期的認知功能表現之評估，發現他們在一般智力、記憶力的儲存和提取，以及語文流暢度都顯示有復原的趨勢。這些發現也隱含著原發性水腦症患者以裝置腦室腹腔引流管手術的治療，將會使得整體認知能力和額葉相關的功能獲得改善。

11:30~12:00—Coffee Break

12:00~13:00--Keynote

主題:Keynote: Neurocognitive Mechanisms of Number Processing and Development Dyscalculia，講者: Avishai Henik。內容摘要：該課程主要目的為從神經認知的角度，以行為方法、神經影像等工具，透過對正常人和學習疾患(特別是發展性的失算症等)者，來探討數字處理過程和發展性失算症的機轉，以供了解該些功能的運作與臨床的評估運用。

13:00~14:00—Lunch Break

14:00~15:30—Paper Session 3

主題:Paper Session 3:TBI(A)，講者: J. PONSFORD; K.D. GAINES. ; D. HOOFIEN; P. AZOUVI; A. JAMES 等人。內容摘要：首先，第一位講者的研究主要探討腦傷患者的功能狀態之變化，他們透過對腦傷者在 2,5 和 10 年後的追蹤，發現這些患者的功能仍無法回復到病前狀態，因此，認知復健是相當重要並需考量的。第二位講者，主要探討於 2007-2012 年的阿富汗和伊拉克戰爭的美國軍人，他們是否因輕度 TBI 而呈現有神經心理功能的損傷，結果顯示這群輕度腦傷的軍人在神經心理功能測驗的結果表現都要來得比沒有腦傷的軍人差，此外，這群患者也呈現有更高比例的憂鬱和戰爭的暴露，努力度降低，但對於他們的認知功能缺損呈現有比較好的病識感。第三位講者，主要研究針對腦傷患者，在三種為出院病人進行的神經心理復健計畫，長期探討有效性；他們分別在治療前、後，

以及追蹤治療後的一年和兩年做認知功能評估，以了解治療介入效果；結果發現出院病人的神經心理復健計畫不僅在治療介入後呈現有立即性的改善，且長期來看療效仍持續。第四位講者，主要想探討因腦傷而有行為變化和執行功能缺損的嚴重 TBI 患者之評估工具，結果顯示三項認知功能測驗和三項行為評估測驗都可以快速檢視這些患者的功能，且這些工具是具有區辨性的。最後一位講者，主要針對腦傷患者的言語攻擊、肢體攻擊和不合適的性行為之神經行為預測因子探討；如上的行為表現，透過工具評估，結果呈現各有不同的因子存在。

15:30~17:00—Symposium 3

主題:Symposium 3: Latest Developments in the Assessment and Management of People With Disorders of Consciousness，講者: B.A. WILSON; L. MURPHY; A. SHIEL; A.M. MORRISSEY; B.A. WILSON。內容摘要: 該些講者都針對植物人的患者做評估工具的探討，以及該如何嘗試協助他們做復健，並且也關注該些患者家屬的適應與調適狀態。

17:00~17:30—Coffee Break

17:30~18:30—INS Presidential Address

主題:INS Presidential Address: Neuropsychology, Networks and Connectivity，講者: Erin D. Bigler。內容摘要: 講者主要分享他在神經心理學領域的發展，透過多種腦部疾患，例如:腦傷、阿茲海默症和相關神經退化疾患，以及相關的神經發展疾患等探討，使用腦部影像技術和分析的方法，來了解不同疾患的認知與神經行為結果之連結，利於提供研究和臨床上的了解與使用。

18:30~—Welcome Reception & Student Networking Social

主題:Reception 歡迎會以及學生聯誼會。利用這些時間，與來自各國的學者、臨床工作者，以及學生做互動與學術交流。



2014.07.10

09:00~10:00AM—Keynote

主題: Keynote: Free Neuronal Association in the Human Brain, 講者: Rafi Malach。內容摘要: 講者主要分享他在透過腦影像的相關研究中, 探討人類視覺系統的知識之經驗, 如何運用這些資料做判斷與診斷。

10:00~10:30—Coffee Break

10:30~12:00-- Paper Session 7

主題: Paper Session 7: TBI(B), 講者: K.D. GAINES; P. AZOUVI; A. LIVNY-EZER; M. STUDER; R. ASARNOW。內容摘要: 講者們都是針對腦傷患者的功能之評估與復健相關議題探討。前面三位作者針對成人, 後面兩篇作者針對兒童; 兒童部分的研究, 雖然發現兒童腦傷患者的功能恢復性較高些, 但仍有些患者受到腦傷的影響, 使得功能呈現持續性的缺損, 對此, 講者針對這群患者, 進行 bio-marker 的危險因子之探討, 以及在腦部白質的缺損與重建上, 做認知功能表現之追蹤評估。

12:15~13:15—Keynote

主題: Keynote: Confessions of a Serial Mentor and Mentee: Reflections on Collegiality in Research, Teaching and Clinical Practice, 講者: Gina Geffen。內容摘要: 講者透過他超過 50 年的研究、教學與臨床經驗來做分享, 呈現他如何一路走來都保有對該領域的熱情, 目前他雖然已經退休, 但仍然在私人機構從事該些工作, 且也都持續在做臨床督導。

13:15~14:15—Lunch Break

14:30~16:00—Publishing and Reviewing in Neuropsychology

主題: Publishing and Reviewing in Neuropsychology, 講者: Guy Vingerhoets。內容摘要: 講者主要教授進行研究時, 該如何作文獻的回顧, 以及發表文章的方法與過程。

16:00~17:15—Poster Session 4

主題: Poster Session 4: Cognitive Neuroscience, Language and Speech Functions, & Medical/ Neurological Disorder/ Other。內容摘要: 芬蘭的研究者針對已發病 10-20 年的思覺失調症病人, 他們在語文和視覺記憶的功能變化, 做約 9 年的長期追蹤, 並且與一組正常受試者做比較, 結果發現, 該些思覺失調症患者的認知功能並未有明顯的減退之情形, 此也可能該些患者在認知功能的基礎能力就來得比正常人低。以色列學者報告一位因左腦損傷而致失算症的患者, 他大致的認知功能表現一致, 但卻在算數的能力上呈現落差。西班牙學者針對巴金森患者的處理速度功能之探討, 想要了解腦結構的變化與其處理速度的缺損是否有關, 結果發現, 腦結構上的變化降低, 其處理速度功能就會相對保留。

2014.07.11

09:00~10:00AM—Keynote

主題: Keynote: Insights into Cognition from Intracranial Recordings, 講者: Robert T Knight。內容摘要: 講者為神經科醫師與教授, 他主要是以探討腦額葉在組織行為中, 所呈現的角色為何, 當中透過腦影像儀器的方法來進行相關研究。

10:00~10:30—Coffee Break

10:30~12:00-- Paper Session 11

主題: Paper Session 11: Executive Functions, 講者: A. JANSARI, N. MOTA, E. HELED, S.G. LAZER。內容摘要: 首先, 第一位講者發表其在法國發展針對腦傷孩童的執行功能之評估工具, 相較於其他的工具, 其研究結果發現更能有效去評估該些孩童確切的執行功能狀態。而後三篇講者, 主要分享其在針對健康女性、厭食症和 Eating Disorder 者之執行功能的評估、問卷分析等, 做為治療介入的建議與參考。

12:00~13:30-- Paper Session 13

主題:Paper Session 13:Memory, 講者: Y. PERTZOV., A. BLOCH, M. ALTGASSEN, A. STANILOIU, R.S. BREZIS。內容摘要: 該些講者都主要分享其在不同與記憶力相關的疾患之記憶力表現;除了腦傷患者,也有脊椎損傷的患者,以及發展性的自閉症候群,透過這些研究結果的了解,更能夠提升臨床上的診斷區辨、評估,以及治療的介入。

2014.07.12-13 搭機返台 Taiwan

心得及建議

心得

這是第二次參加此組織的國際性會議,第二次做壁報展示發表,雖然對於會議的流程已經有些概念,但出發前仍感到緊張,不過相當期待能夠再次有機會與各國的專業人員互做交流,了解與學習他國的研究主流、方向與經驗。

抵達以色列為當地的早上,從機場轉搭交通車至耶路撒冷,並先前往勘查會場路線、以及準備隔天的壁報發表事宜;隔天早晨先前往會場進行報到,接著在依據時間抵達壁報展示廳裡,貼上自己的壁報,心裡感覺相當緊張卻也踏實。由於大會要求展示者需站在壁報旁,隨時回答觀看者的問題,雖然擔心語言能力不足以傳達和溝通訊息,但仍盡力而為。展示過程中,許多觀看者都會拿出相機將我的壁報照起來,並針對水腦症病人的認知功能變化做討論,我也藉此分享我們的研究團隊之相關經驗。面對這次的經驗,仍感覺有許多不足,但透過國際的互相交流,著實擴展在臨床上與研究上的視野,也在過程中,了解類似領域的研究趨向,收益頗多。

完成壁報發表後,即陸續參與幾場演講與發表會,較有印象深刻的是,許多研究者在建立新版測驗工具的常模時,因所處國家的種族性較多,因而需要考量到種族與文化的問題,加上教育程度不齊,著實讓常模的建立相當困難,但該些研究團隊卻能夠一一克服問題,收集到初步的數據以供臨床上的使用。此外,在

意識尚清楚，但肢體卻無法活動的 **lock-in syndrome**，許多學者都對此疾患的評估做出努力，雖然 **fMRI** 可以了解其大腦的狀態，但成本高，也無法天天做，因而他們發展出似腦波且非侵入性的評估工具，了解患者大腦的變化，以及做意識的評估，進而有溝通的管道，在臨床應用上也相當簡便；這些研究都著實讓我更擴展神經心理學的知識領域。

會後於測驗展示廠商的櫃檯，發現目前在台灣也普遍使用的魏氏智力測驗之計分方式有更先進的發展；即是在施測過程中，施測者以平板電腦計分的方式，於施測完畢後就能夠將分數立即算出。由於該測驗施測時間冗長，加上計分常需花費相當多的時間，因此，該發展著實增進臨床上的便利，也可將時間省下來多服務與照護病人。然而，因為該測驗計分軟體目前尚未中文化，但仍期待未來的發展之可能。

在本次會議的過程中，參與幾場演講與研究的發表會，都讓我收穫相當多，打開更多視野，此外，也參與大會舉辦的歡迎酒會，過程中，與幾位神經心理領域的教授與學生互做些交流，有位來自美國的教授，他為了想要了解阿茲海默症的病因，以個案齊頭並採縱貫追蹤的方式，想要探討阿茲海默症的發展成因，此外，有位以色列的博士班學生，目前正居住在北京，在當地的北京大學做些學術交流。由於參與該會議的亞洲人較少，因而國際神經心理協會學生連繫代表希望我能夠給予協助，將該協會的相關訊息轉知給學生，對此，也感受到大會對於來自不同國家人的重視，以及更希望有多些不同的交流。

建議

此次能參與國際性研討會，相當感謝醫院與部主任的鼎力相助，這是很不錯的經驗與學習，有助於提昇專業知能，並提昇醫療服務品質。有機會與世界各國做學術交流，值得持續提倡，但因每次參與學術會議的註冊費以及機票費用耗費鉅資，本次僅補助部分機票費用，可是又不想放棄與國際交流的機會，僅能夠自行支付所有款項，著實吃力，因此，期待能夠提高補助的費用，以能夠讓我們較沒有經濟壓力的狀況下，在職進修，與國際接軌，同時也將相關的研究知識於研究與臨床上的運用。

由於在會議中，與幾位該領域的教授互動，都感到他們的研究發展、神經心理的知識與臨床訓練等，均要來得比台灣更加完善，也都確實可以提升腦部相關疾病的病人之服務品質，因此，若能夠有機會與該些教授或臨床工作者做短期進修學習，應該除了知識技能的提升外，也能夠增進對臨床病人的服務效能；然而，在本院由於僅供醫師做短期進修福利，卻沒有給醫事人員相關的機會，著實可惜，以期未來也能夠給予醫事人員同等的學習機會，提升對病人的照護。

目前國外有測驗發行廠商，針對魏氏智力測驗已研發出電子 pad 產品來做計分；該項研發無非是因為魏氏智力測驗的使用普遍性，包含我們醫院也如此，但因其施測和計分都相當耗時，因而測驗公司做該項研發，以方便臨床工作者的使用性，並也能夠節省計分時間來服務臨床病人。在會場中，已與廠商做詢問，廠商表示目前該套軟體僅出幾個版本，英文模式現在的使用操作上都算穩定，但因尚未出中文版，其表示會繼續做版本的擴充，因此，我會持續注意該項訊息，若中文版已發行，可建議科部做購買，利於我們臨床上的使用性。

Addendum: Changes to the Program

The following changes to the program occurred after it was finalized. These changes will be included in an addendum to the Final Program in the *Journal of the International Neuropsychological Society (JINS)*, Volume 20.

The following abstracts have been rescheduled:

WEDNESDAY JULY 9, 2014

- 2:00–3:30 PM Poster Session 2: Attention, Autism, Emotion, Epilepsy, Genetics, Laterality, Infectious Disease, Imaging, Learning Disabilities, and Visuospatial Functions
#32. KHENTOV-KRAUS, L. Vowel Letter Dyslexia.
Moved to #41 in: Poster Session 3: Cognitive Intervention/Rehabilitation, Executive Functions/Frontal Lobes, Memory Functions, and TBI (Thursday July 10, 10:30 AM–12:00 PM)
- 3:30–5:00 PM Paper Session 6: Development and Genetics, Moderated by Sarah Raz
#4. ANAKI, D. Factors Underlying Face and Emotion Recognition in Women with Turner Syndrome.
Moved to #5 in: Paper Session 11: Executive Functions, Moderated by Yehuda Pollak (Friday July 11, 10:30 AM–12:00 PM)

THURSDAY JULY 10, 2014

- 10:30 AM–12:00 PM Poster Session 3: Cognitive Intervention/Rehabilitation, Executive Functions/Frontal Lobes, Memory Functions, and TBI
#10. HALLER, M. High Gamma Duration in Human Prefrontal Cortex Predicts Decision Time.
Moved to #41 in: Poster Session 5: Assessment/Psychometrics/Methods, Cross Cultural, Drug/Toxin-Related Disorders, Electrophysiology, Forensic Neuropsychology, Demyelinating Disorders, and Psychopathology/Neuropsychiatry (Friday July 11, 10:30 AM–12:00 PM)

The following abstracts were withdrawn after being accepted for presentation:

WEDNESDAY JULY 9, 2014

- 10:00–11:30 AM Poster Session 1: Aging, Behavioral Neurology, Cancer, Dementia, and Stroke/Aneurysm
#10. ASGHAR, M. Potential role of grape powder in improving age-related decline in brain and kidney functions.
- 2:00–3:30 PM Poster Session 2: Attention, Autism, Emotion, Epilepsy, Genetics, Laterality, Infectious Disease, Imaging, Learning Disabilities, and Visuospatial Functions
#17. MORENO DE IBARRA, M. Pseudo-Crisis or Convulsive Syndrome? Transdisciplinary Neuropsychologic Assessment Contribution to Differential Diagnosis. From the Lab to Cognitive Intervention.
#23. WOODS, SP. HIV-Associated Neurocognitive Disorders Affect Resources Allocated to Prospective Memory Versus Ongoing Task Performance.
#25. SCHONFELD, D. The Effects of Bilingualism on Verbal Fluency and Executive Functioning in HIV infected Hispanic Adults.

THURSDAY JULY 10, 2014

- 10:30 AM–12:00 PM Paper Session 7: TBI (B), Moderated by Philippe Azouvi
#5. ASARNOW, R. Effects of White Matter Disruption and Restitution in Children on Cognitive impairments and Recovery During the First Year Following Moderate/Severe Traumatic Brain Injury.
- 10:30 AM–12:00 PM Poster Session 3: Cognitive Intervention/Rehabilitation, Executive Functions/Frontal Lobes, Memory Functions, and TBI
#37. CHAMMAS, F. Contributions of personality assessment in understanding cognitive and affective disorders after TBI.
#39. STARGATT, R. Can Reading Delay In Complicated Mild And Moderate Traumatic Brain Injury (TBI) Be Distinguished From Developmental Reading Delay On Neuropsychological Tests?
- 3:45–5:15 PM Paper Session 9: Interventions, Moderated by Ronny Geva
#4. IBARRETXE-BILBAO, N. Improving Functional Disability, Depression and Cognition in Parkinson Disease with REHACOP Program.
- 3:45–5:15 PM Poster Session 4: Cognitive Neuroscience, Language and Speech Functions, and Medical/Neurological Disorders/Other
#11. RIVOLTA, D. Multi-voxel pattern analysis (MVPA) of fMRI data reveals aberrant face-discriminant ability in people with congenital prosopagnosia.
#14. NEUMANN-WERTH, Y. An Electrophysiological Investigation of the Lateral Anterior Positivity: Clinical Implications.

FRIDAY JULY 11, 2014

- 10:30 AM–12:00 PM Poster Session 5: Assessment/Psychometrics/Methods, Cross Cultural, Drug/Toxin-Related Disorders, Electrophysiology, Forensic Neuropsychology, Demyelinating Disorders, and Psychopathology/Neuropsychiatry
#9. ASANO, K. Word Retrieval Process Analyzed by Clustering and Switching Components in Phonemic Verbal Fluency Test by Japanese with Parkinson's Disease.
#13. MORENO DE IBARRA, M. Neuropsychological Functioning of Children with Attention Deficit Hyperactivity Disorder, with High Functioning Autism and Without Diagnosis. From Research to Intervention.
#17. KOTIK-FRIEDGUT, B. Cultural Neuropsychology: Roots and New Branches.
#31. WILLSON, P. The Utility of MMSE as a Predictor of Real-Life Testamentary Capacity.

Final Program

International Neuropsychological Society

2014 Mid-Year Meeting

July 9–11, 2014
Jerusalem, Israel

WEDNESDAY, JULY 9, 2014

8:15–9:45 AM

Pre-Meeting CE Workshop A: Evidence-Based Practice and the Use of Reliable Change Methods
Presenter: Gordon J. Chelune
Zion Hall A

1. CHELUNE, GJ

Evidence-Based Practice and the Use of Reliable Change Methods

8:15–9:45 AM

Pre-Meeting CE Workshop B: Hypoxia-Ischaemia, Hippocampal Damage and Memory Impairment: A Causal Hypothesis?
Presenter: Faraneh Vargha-Khadem
Zion Hall B

1. VARGHA-KHADEM, F

Hypoxia-Ischaemia, Hippocampal Damage and Memory Impairment: A Causal Hypothesis?

9:45–10:00 AM

15-Minute Break
On Own

10:00–11:30 AM

Symposium 1: Developmental Differences in Skill Learning: From Basic Science to the Clinic
Chair: Esther Adi-Japha
Zion Hall C

1. ADI-JAPHA, E

Developmental differences in skill learning: From basic science to the clinic

2. ADI-JAPHA, E

Developmental differences in the acquisition of a simple grapho-motor task

3. KARNI, A

The consolidation of a motor skill in children and adults: a developmental matter of critical time

4. FERMAN, S

Children are inferior to adults in acquiring an artificial morphological rule even when afforded supporting learning conditions

5. KISHON-RABIN, L

Learning to hear better: When is age an advantage?

10:00–11:30 AM

Paper Session 1: Assessment
Moderator: Miriam Levav
Zion Hall A

1. GONCALVES, MA

A Systematic Review on WAIS-III: A Special Focus on Acquired Brain Injury

2. HENDRIKS, M

Adaptation of the Wechsler Adult Intelligence Scale - 4th edition (WAIS-IV) for Indonesia

3. KRAUSZ, G

Opening Doors - A BCI-based Tool for Detection of Awareness and for Communication with Non-Responsive Patients

4. TAL SABAN, M

Adolescent and Adults Coordination Questionnaire- AAC-Q: Development and Psychometric Properties

5. OVADIA, D

Neuropsychology as a Tool for a More Ethical Approach to Cognitive Rehabilitation

10:00–11:30 AM**Paper Session 2: Attention**
Moderator: Nachum Soroker
Zion Hall B

1. MAZOR-KARSENTY, T Comparing the Executive Attention of Adult Females with ADHD to that of Females with Sensory Modulation Disorder (SMD) under Aversive and Non-Aversive Auditory Conditions
2. YAAKOBY-ROTEM, S Asymmetric Attention Networks: The Case Of Children
3. BLOCH, A Context Effects in Adults with ADHD: Behavioral and Eye Movement Measures
4. SZCZEPANOWSKI, R Attentional Selection Mediates Affective Processing in the Perceptual Crowding Task
5. ASHKENAZI, S Domain-specific and domain-general effects on strategy selection in complex arithmetic: evidences from Attention-Deficit Hyperactivity Disorder (ADHD) and normally developed college students

10:00–11:30 AM**Poster Session 1: Aging, Behavioral Neurology, Cancer, Dementia, and Stroke/Aneurysm**
Zion Hall D and West & North Foyers**Aging**

1. FISHER, T Aging ADHD: A New Concept
2. HATTA, T Developmental Trajectories of Verbal and Visuospatial Abilities in Healthy Older Adults
3. SHIN, M A Normative Study of the Korean Version of Memory Diagnostic System (MDS) for Elderly
4. HANDLE, E Diagnostic and Evaluative Considerations in Dementia Assessment with an Ethnically Diverse Sample
5. ZIMERMAN, S Implicit Motivation Makes the Brain Grow Younger: Improving Executive Functions of Older Adults
6. ORTIZ, X Effects of Age on the Components of Attention in Elderly People
7. IWAHARA, A Better control of blood pressure in midlife was associated with cognitive function in old age: The Minabe Study in Japan
8. CONTADOR, I Effect of Education and Literacy on Cognitive Performance in a Community-Based Sample of non-Demented Spanish Elders
9. OBLER, LK Measuring Lexical Retrieval in Older Adults' Discourse
10. ASGHAR, M Potential role of grape powder in improving age-related decline in brain and kidney functions

Behavioral Neurology

11. ODAGIRI, M Investigation of the Underpinning Mechanisms of Sequential Object Use Disorder Using Eye-tracking
12. OLIVEIRA, MA Comparison of cognitive outcome in patients after cerebellar stroke and cerebellar stroke patients undergone decompressive surgery
13. MAN, L Brief social isolation in early adolescence affects cognitive learning and BDNF mRNA in different age rats

Cancer

14. MARGELISCH, K Cognitive deficits in children with cancer before and after treatment
15. SELA, G Impact of oncological surgery on neurocognition
16. MESKAL, I Cognitive functioning in meningioma patients in preoperative and postoperative stage
17. LAI, Y A Case of Recurrent Malignant Parotid Tumor Manifesting Progressive Aphasia as Initial Neuropsychological Symptoms
18. VAN ZANDVOORT, M Neuropsychological functioning and survival after awake craniotomy under intra-operative stimulation in malignant appearing primary brain tumors
19. OLIVEIRA, MA Cognitive assessment of a patient with isular glioma: case report
20. OLIVEIRA, MA Olfactory meningioma: a case of behavioral alterations

Dementia (Alzheimer's)

21. KALBI, M Transcranial Doppler Ultrasonography: A Method of Evaluating Cognitively Impaired and Non-cognitively Impaired Elderly
22. KIRK, A What predicts cognitive decline over one year in rural and remote persons with Alzheimer's disease?
23. ENNOK, M WAIS-III Qualitative Errors in Patients with Alzheimer's Disease
24. MANFREDI, V Non-Pharmacological Approach to Cognitive Decline
25. VIEIRA, VL Methodological procedures in clinical rehabilitation of Alzheimer's disease patients

Dementia (Subcortical, Specific Disorders, MCI, etc.)

26. CHI, C Post-surgical Cognitive Changes in Idiopathic Normal Pressure Hydrocephalus: the Recovery Pattern
27. ZILBRKWIT, D Bilingualism and Personality as A Form of Cognitive Reserve: The Influence of The Big Five Personality Traits and Command of Multiple Languages on Neuropsychological Performance in Type-2 Diabetic Elderly
28. BISIACCHI, P Assessing Inter- And Intra-Individual Cognitive Variability In Patients At Risk For Cognitive Impairment
29. BEZDICEK, O The Contribution of the Mattis Dementia Rating Scale to the Diagnosis of Parkinson Disease Mild Cognitive Impairment
30. JOHANIDESOVÁ, S Neuropsychiatric and Cognitive Aspects of Creutzfeldt-Jakob Disease

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|-----------------|---|
| 31. CAVACO, S | Verbal Fluency and Motor Symptoms In Parkinson s Disease: Parallel Paths? |
| 32. ANDRADE, PA | Speech therapy in progressive nonfluent aphasia: A pilot study |
| 33. NIKOLAI, T | Performance in four verbal fluency tests and effect of time on item generation in-non demented elderly |
| 34. PARENTE, A | UNUSUAL COGNITIVE FINDINGS IN TEMPORAL LOBE DEGENERATION |
| 35. EK, A | Does Ethnicity and Mother Tongue Affect Results on Neuropsychological Tests in MCI? |
| 36. MARKOVA, H | Specific Questions May Differentiate Between Mild Cognitive Impairment And Subjective Memory Complaints |

Stroke/Aneurysm

- | | |
|--------------------------|---|
| 37. TOBA, M | Apathy more than depression seems to interfere with early motor recovery after stroke |
| 38. TOBA, M | Motor symptoms of post-stroke depression |
| 39. ARANGO LASPRILLA, JC | Longitudinal Study of Neuropsychological Changes During the First Year After Stroke |
| 40. CAMERON, K | Investigating Appraisal of Disability Post-Stroke: Patient vs. Clinician |

11:30 AM–12:00 PM

Coffee Break
Zion Hall D

12:00–1:00 PM

Keynote: Neurocognitive Mechanisms of Number Processing and Developmental Dyscalculia
Presenter: Avishai Henik (Introduction: Ora Kofman)
Zion Ballroom

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|-------------|--|
| 1. HENIK, A | Neurocognitive Mechanisms of Number Processing and Developmental Dyscalculia |
|-------------|--|

1:00–2:00 PM

Lunch Break
On Own

2:00–3:30 PM

Symposium 2: The Processing of Threat from a Cognitive and Social Perspective
Chair: Delphine Grynberg
Zion Hall C

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|-----------------|---|
| 1. GRYNBERG, D | The processing of threat from a cognitive and social perspective |
| 2. GRYNBERG, D | Attentional and automatic processing of facial expressions of pain |
| 3. PEGNA, AJ | Unconscious processing of facial expressions : is it the threat or the relevance that counts ? |
| 4. MERMILLOD, M | The Importance of Low Spatial Frequency Information for Detection of Visual Threats |
| 5. VERMEULEN, N | Desperately Seeking Friends: How Expectation of Punishment Modulates Attention to Angry and Happy Faces |

2:00–3:30 PM

Paper Session 3: TBI (A)
Moderator: Dan Hoofien
Zion Hall A

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|----------------|---|
| 1. PONSFORD, J | Outcome 2, 5 and 10 years following traumatic brain injury: A prospective study |
| 2. GAINES, KD | Executive Functioning of Combat Veterans Diagnosed with Mild Traumatic Brain Injury |
| 3. HOOFIEN, D | Examination of the Long-Term Efficacy of Three Out-Patient Neuropsychological Rehabilitation Programs for Patients with Acquired Brain Injuries |
| 4. AZOUVI, P | The Dysexecutive Syndrome of Severe Traumatic Brain Injury. The GREFEX Study |
| 5. JAMES, A | Neurobehavioural Predictors of Verbal Aggression, Physical Aggression and Inappropriate Sexual Behaviour After Acquired Brain Injury |

2:00–3:30 PM

Paper Session 4: Dementia and Aging
Moderator: Richard F. Kaplan
Zion Hall B

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|----------------|--|
| 1. PEREIRA, R | Impact of Alzheimer's Disease Related Anosognosia in Caregivers' Quality of Life |
| 2. KESSELS, RP | Transfer Effects of Online Working-Memory Training in Healthy Older Adults and Mild Cognitive Impairment |
| 3. JANSSEN, M | Utility of the Montreal Cognitive Assessment and HIV Dementia Scale as Screening Instruments for Cognitive Deficits in HIV-1 Infected Patients |
| 4. BRANDT, J | Is Risk-Taking Affected by Deep Brain Stimulation in Parkinson's Disease? |
| 5. KAPLAN, RF | Depression and Hypertension Predict MRI White Matter Hyperintensities in the Normal Elderly |

2:00–3:30 PM

Poster Session 2: Attention, Autism, Emotion, Epilepsy, Genetics, Laterality, Infectious Disease, Imaging, Learning Disabilities, and Visuospatial Functions
Zion Hall D and West & North Foyers

ADHD/Attentional Functions

1. VAKIL, E Adults with ADHD Eye Movement Performance on the Stroop Task
2. SUAREZ, IC Deciphering Interference Control in Adults with ADHD
3. KIMURA, T Flexibility of attention in real 3D space
4. KONSTANTOPOULOS, K Sensitivity of the Children Color Trails Test (CCTT) in the Greek-Cypriot children diagnosed with Attention Deficit Hyperactivity Disorder (ADHD)
5. ZIVAN, M An eye-opener: A study of MPH intervention in ADHD using pupillary responses in young adults
6. SHOHAM, R Relation between risk taking and ADHD symptoms may be mediated by erroneous decision making and higher benefit perception
7. ISENBERG-BECHAR, D Effects of ω -3 Long-Chain Polyunsaturated Fatty Acids (LCPUFA) supplementation on emotion and cognitive processing of ADHD children medicated with Methylphenidate - an ongoing study
8. SCHNEIDER, B Relationships between neuropsychological performance and physician and self-report ratings of ADHD symptoms

Autism Spectrum Disorders

9. SHAUL, R Asperger Disorder, Theory of Mind, and 2D:4D Digit Ratio as Proxy for Fetal Testosterone Exposure
10. KENETT, YN The Hyper-Modular Associative Mind: A Computational Analysis of Associative Responses of Persons with Asperger Syndrome
11. SCHWAIGER, E The Interpersonal Style of Adults with Autism Spectrum Disorder
12. EILON, I Theory of Mind Impairment and Linguistic Abilities in Autism
13. KLOPPER, F A Cluster Analysis Exploration of the Characteristics of High-functioning Subgroups Within the Autism Spectrum in Children Aged 5-14 Years

Emotional Processes

14. BALCONI, M The Empathic Effect on Attentional Mechanisms (Eye-Movements), Cortical Correlates (N200 ERPs) and Autonomic Behavior (EMG) in Emotional Face Processing
15. HILTON, D Facial and Vocal Affect Recognition in Veterans Assessed for TBI with Polytrauma
16. NAOR, N When more is less: exaggerated empathy impairs accurate emotion recognition

Epilepsy/Seizures

17. MORENO DE IBARRA, M Pseudo-Crisis or Convulsive Syndrome? Transdisciplinary Neuropsychologic Assessment Contribution to Differential Diagnosis. From the Lab to Cognitive Intervention
18. GIOVAGNOLI, A Different cognitive trends after temporal lobe epilepsy surgery
19. TZUR, M Neuropsychological Profile and Quality of Life Among Children with Epilepsy

Genetics/Genetic Disorders

20. EGGER, JI A large de novo distal 16p11.2 deletion in a patient with normal intelligence: Evidence for a neuropsychological phenotype

Hemispheric Asymmetry/Laterality/Callosal Studies

21. LESHEM, R Lateralized effects of sad prosody on word processing
22. VINGERHOETS, G The Effect of Handedness Consistency on Bimanual Coordination: A Behavioural and Electrophysiological Investigation

HIV/AIDS/Infectious Disease

23. WOODS, SP HIV-Associated Neurocognitive Disorders Affect Resources Allocated to Prospective Memory Versus Ongoing Task Performance
24. LAI, Y Neuropsychological Manifestations of a 5-Month Follow-Up Case with HIV-Associated PML
25. SCHONFELD, D The Effects of Bilingualism on Verbal Fluency and Executive Functioning in HIV infected Hispanic Adults

Imaging (Functional)

26. JUNG, J Research about Patient's Response to Olfactory Stimulations, Brain Response and Pathophysiology in Anosmia Patients Using Olfactometer and 3.0T functional MRI
27. LALONDE, FM Default Mode Network Differences Between Kallmann Syndrome Patients and Healthy Controls: An fMRI Resting State Study

Imaging (Structural)

28. MÜRNER-LAVANCHY, I Delay of Cortical Thinning in Very Preterm Born Children

Learning Disabilities/Academic Skills

- 29. LORBER, R Does Methylphenidate (Ritalin) Help Dyslexias with Attentional Bases?
- 30. GABAY, Y Impaired Probabilistic Learning Mechanisms in Developmental Dyslexia
- 31. KAHTA, S Modality Effects on Sequential Learning of Individuals with Developmental Dyslexia (DD): Evidence from Artificial Grammar Learning (AGL) task
- 32. KHENTOV-KRAUS, L Vowel Letter Dyslexia
- 33. YACHINI, M Vowel Letter Dysgraphia

Visuospatial Functions/Neglect/Agnosia

- 34. TOBA, M Neuroanatomy of visuo-spatial neglect: a game-theoretical analysis approach
- 35. SOBANSKA, M Arithmetical operations and numerical surface form: differential effects on multiplication and subtraction
- 36. HIROMITSU, K Tactile extinction depends on the attention to somatosensory input

3:30–5:00 PM

Symposium 3: Latest Developments in the Assessment and Management of People With Disorders of Consciousness

Chair: Barbara A. Wilson

Zion Hall C

- 1. WILSON, BA Latest Developments in the Assessment and Management of People With Disorders of Consciousness
- 2. MURPHY, L Holistic Assessment of People with Disorders of Consciousness: Capturing the Person - Implications for Rehabilitation Therapies and Family Adjustment
- 3. SHIEL, A The WHIM-II: Initial development and piloting
- 4. MORRISSEY, AM Complimentary Use of Neurobehavioural Assessment Scales with Prolonged Disorders of Consciousness
- 5. WILSON, BA Improving the Behavioural Responses of Vegetative and Minimally Conscious Patients Through Changes in Position

3:30–5:00 PM

Paper Session 5: Language

Moderator: Guy Vingerhoets

Zion Hall A

- 1. SCHARFF, C Addiction, Neuroscience and Psychology: Transdisciplinary Approaches Creating Breakthroughs in Addiction Recovery
- 2. ANDELMAN, F THE ROLE OF INFERIOR TEMPORAL GYRUS IN VISUAL LANGUAGE PROCESSING: A DIRECT CORTICAL STIMULATION STUDY
- 3. DOTAN, D Breaking Down Number Syntax: Dissociation Between Naming and Comprehension of Two-Digit Numbers
- 4. GVION, A To Bee or Not to Bea : Two Subtypes of Surface Dysgraphia
- 5. CIVIER, O Reduced Fractional Anisotropy in the Anterior Corpus Callosum Predicts Reduced Speech Fluency in Persistent Developmental Stuttering

3:30–5:00 PM

Paper Session 6: Development and Genetics

Moderator: Sarah Raz

Zion Hall B

- 1. GEVA, R The neonatal biological origins of social difficulties: insights from prematurity
- 2. PETERS, BN Head Growth in the Neonatal Intensive Care Unit and Preschool Neuropsychological Performance
- 3. ROELOFS, R A Comparison of Affective Information Processing in Noonan and Turner Syndromes: Evidence of Alexithymia
- 4. ANAKI, D Factors Underlying Face and Emotion Recognition in Women with Turner Syndrome
- 5. ASBE, MA Temporal Discounting and Strategy Use in School-Aged Children

5:00–5:30 PM

Coffee Break

Zion Hall D

5:30–6:30 PM

Presidential Address: Neuropsychology, Networks and Connectivity

INS President: Erin D. Bigler (Introduction: Eli Vakil)

Zion Ballroom

- 1. BIGLER, ED Neuropsychology, Networks and Connectivity

- 6:30–7:30 PM** **Welcome Reception**
Zion West & North Foyers
- 7:00–8:30 PM** **INS-SLC Student Networking Social, Presented by the INS Student Liaison Committee**
Hosts: Irene Meier, Moran Gofer Levi
Larommy Balcony (Overlooking the Hotel Pool)

THURSDAY, JULY 10, 2014

- 9:00–10:00 AM** **Keynote: Free Neuronal Associations in the Human Brain**
Presenter: Rafi Malach (Introduction: Erin D. Bigler)
Zion Ballroom
1. MALACH, R Free Neuronal Associations in the Human Brain
- 9:00–10:30 AM** **Neuropsychology Research Training Around the World: Student Professional Development Panel, Presented by the INS Student Liaison Committee**
Presenters: Gina Geffen, Michela Balconi, Juan C. Arango Lasprilla, Jennifer J. Manly
Galil Room
- 10:00–10:30 AM** **Coffee Break**
Zion Hall D
- 10:30 AM–12:00 PM** **Symposium 4: Have Video Demonstrations of Classic Neurobehavioral Syndromes Advanced Our Understanding of the Neural Substrates of Complex Behavior?**
Chair: Kathleen Haaland
Zion Hall C
1. HAALAND, KY Aphasia and limb apraxia after left hemisphere stroke
2. BOWERS, D Hemispatial Neglect and Emotion Perception Disorders After Right Hemisphere Lesions
3. VINGERHOETS, G Typical and atypical lateralization of cognitive functions
4. KNIGHT, RT Gazzaniga's Evaluation of Hemispheric asymmetry after Commissurotomy
5. HAALAND, K Video demonstrations of classic neurobehavioral syndromes. Have they advanced our understanding of the neural substrates of complex behavior?
- 10:30 AM–12:00 PM** **Paper Session 7: TBI (B)**
Moderator: Philippe Azouvi
Zion Hall A
1. GAINES, KD Comparison of Effort Measures, Cognitive Complaints, and Self-reported Neuropsychiatric Symptoms in Blast-Induced Mild TBI
2. AZOUVI, P Ecological Validity of the Dysexecutive Questionnaire: Results from the Paris-TBI study
3. LIVNY-EZER, A Cognitive Deficits Post Traumatic Brain Injury and their Association with Local Functional Connectivity Density in Resting-State
4. STUDER, M Serum marker S100B is associated with ongoing cognitive symptoms in children after mild traumatic brain injury and ongoing somatic symptoms in children after orthopedic injuries
5. ASARNOW, R Effects of White Matter Disruption and Restitution in Children on Cognitive impairments and Recovery During the First Year Following Moderate/Severe Traumatic Brain Injury
- 10:30 AM–12:00 PM** **Paper Session 8: Language**
Moderator: David Anaki
Zion Hall B
1. PINA RODRIGUES, A Text Reading and Noise Exclusion in Dyslexia
2. REBOLA, J Word Reading and Noise Exclusion in Dyslexia: Eye Movements and Performance
3. BIRAN, M The Relations between Treatment Outcome, the Underlying Deficit and the Representation in the Lexical Process: Evidence from Homophones Naming Treatment

4. MESHULAM, M The Cortical Dynamics of Thought: a Data-Driven Analysis of Intracranial Recordings During a Deliberative Task
5. DOTAN, D Phonological Pathways of Speech Production: Lexical Information in Post-Lexical Stages

10:30 AM–12:00 PM

Poster Session 3: Cognitive Intervention/Rehabilitation, Executive Functions/Frontal Lobes, Memory Functions, and TBI
Zion Hall D and West & North Foyers

Cognitive Intervention/Rehabilitation

1. SIMON, SS Cognitive Psychotherapy in elders with depression and cognitive deficits: a review
2. MARGELISCH, K Impacts of a word-picture training on reading and spelling in Swiss elementary school children
3. WINGBERMÜHLE, E Treatment of Impaired Affective Information Processing and Social Cognition in Neuropsychiatric Patients: A Systematic Review
4. FRIEDMAN, R Telerehabilitation of Anomia in Primary Progressive Aphasia
5. TURON, M Early Neurocognitive Rehabilitation in Intensive Care Unit: Proof of Concept
6. PYASIK, M Description of neuropsychological syndrome of stuttering as a basis for successful neurorehabilitation
7. PYASIK, M Rehabilitation of impaired interactions of brain structures in stuttering

Executive Functions/Frontal Lobes

8. DEV, N Exploring Executive Functioning in Patients with Frontal and Temporal Lobe Epilepsy Using a Novel Ecologically-Valid Virtual Reality Task: The Jansari Assessment of Executive Functions (JEF©)
9. BIELIAUSKAS, L Cognitive Reserve and Executive Dysfunction: Impact on Judgment of Health and Safety in an Inpatient Veteran Population
10. HALLER, M High Gamma Duration in Human Prefrontal Cortex Predicts Decision Time
11. LINKOVSKI, O A call for control: The Relations between Inhibition and Doubt
12. FASOTTI, L Sensitivity of the Everyday Description Task, an ‘Open-Ended’ Script Generation Task, to Anterior Executive Dysfunction
13. JÓDAR, M Cognitive flexibility as a predictor of decision making performance in the Ballon Analogue Risk Task (B.A.R.T)
14. WITKOWSKA, MA What’s So Special About Professional Gamers?

Memory Functions

15. HAMPSON, E Working Memory Impairment During Pregnancy: Association With Antepartum Depression?
16. KATZOFF, A Best Conditions for Declarative Memory: Multiplication Facts as a Model
17. PYASIK, M Selective Involvement of Lingual Gyrus in Working Memory and Perception of Different Types of Visual Stimuli
18. BLACHSTEIN, H Verbal Learning Across the Lifespan: An Analysis of the Components of the Learning Curve
19. ZANNONI, I Impaired Temporal Consciousness and preserved Knowing Consciousness in confabulation and amnesia
20. MARANGONI, S Varieties of confabulations
21. BARBERA, C Confabulation and awareness of memory impairment
22. BRAZZAROLA, M A longitudinal study of confabulation
23. SELA, G The impact of colloid cysts and their treatment on neurocognition
24. PARK, P Impaired recognition of faces encoded by emotional and semantic processes in patients with Parkinson disease
25. SALVADOR, J Some developmental aspects of semantic memory in children: Lessons from a sample of Mexican middle school children
26. LEVY, DA Parietal Lesion Effects on Cued Recall Following Pair Associate Learning
27. BEN-ZVI, S The Brain and the Scale: Lesion Effects on Measures and Indices of the Wechsler Memory Scale
28. BLOCH, A Eye Activated Sequence Learning in Older Populations

TBI (Adult)

29. GOULD, KR A Longitudinal Examination of Positive Changes in Quality of Life After Traumatic Brain Injury
30. ROSENBERG, H Facial Emotion Recognition Deficits following Traumatic Brain Injury: Re-Examining the Valence Effect and the Role of Emotion Intensity
31. ROSENBERG, H Facial Emotion Recognition after Moderate-Severe Traumatic Brain Injury: The Role of Task Difficulty, Injury Severity, and Neuropsychological Functioning
32. GOODEN, JR Self-Awareness of On-Road Driving after Traumatic Brain Injury
33. DYMOWSKI, A Attention and Executive Functioning Following Traumatic Brain Injury
34. GRIMA, NA Characterising Sleep Dysfunction after Traumatic Brain Injury: A Systematic Review of Objective and Self-Report Measures
35. RADO, T Community Neurorehabilitation: The Challenge of Working With Apathy: A Single Case Study Design Combining Holistic Neuropsychological Rehabilitation and Methylphenidate to Treat a 55 Year Old Man More Than 3 Years Post Traumatic Brain Injury
36. BALDIVIA, B Brain Injury Family Intervention applicability in a Brazilian sample of relatives of Traumatic Brain Injury victims diagnosed with Diffuse Axonal Injury

37. CHAMMAS, F
38. BOGDANOVA, Y
39. STARGATT, R
40. TURON VIÑAS, M
41. AL-DIWAN, JK
- Contributions of personality assessment in understanding cognitive and affective disorders after TBI
Neuropsychiatric and Functional Status in Veterans with Blast TBI
TBI (Child)
Can Reading Delay In Complicated Mild And Moderate Traumatic Brain Injury (TBI) Be Distinguished From Developmental Reading Delay On Neuropsychological Tests?
Assossation between age and Executive Functions and IQ in a TBI pediatric sample
Mental Health Consequences Of Wars And Terrorism In Iraq: A Preliminary Report
- 12:00–12:15 PM** **15-Minute Break**
On Own
- 12:15–1:15 PM** **Keynote, presented by the INS-Satz Award Winner: Confessions of a Serial Mentor and Mentee: Reflections on Collegiality in Research, Teaching and Clinical Practice**
Presenter: Gina Geffen (Introduction: Jennie Ponsford)
Zion Ballroom
1. GEFFEN, G
Confessions of a Serial Mentor and Mentee: Reflections on Collegiality in Research, Teaching and Clinical Practice
- 1:15–2:15 PM** **Lunch Break**
On Own
- 2:15–3:15 PM** **The Herbert Birch Memorial Lecture: Adolescent Brain Development**
Presenter: Eveline Crone (Introduction: Jason Brant)
Zion Ballroom
1. CRONE, E
Adolescent Brain Development
- 2:30–4:00 PM** **Publishing and Reviewing in Neuropsychology: Student Workshop, Presented by the INS Student Liaison Committee**
Presenters: Kathleen Haaland, Guy Vingerhoets
Galil Room
- 3:15–3:45 PM** **Coffee Break**
Zion Hall D
- 3:45–5:15 PM** **Symposium 5: New Views on Hippocampal Function: Memory and Beyond**
Chair: Asaf Gilboa
Discussant: Mieke Verfaellie
Zion Hall C
1. GILBOA, A
2. RYAN, JD
3. VERFAELLIE, M
4. GILBOA, A
5. LEE, AC
6. ROSENBAUM, R
- New Views on Hippocampal Function: Memory and Beyond
The Contributions of Hippocampal Relational Binding to Ongoing Processing
Cognitive Impairments in MTL Amnesia: Beyond Episodic Memory
The Hippocampus And High Order Conditioning: Implications To Decision-Making And Choice Behaviour
Relating Perceptual Processing To Mnemonic Function In The Medial Temporal Lobe
Dissociations in future thinking following episodic memory loss
- 3:45–5:15 PM** **Paper Session 9: Interventions**
Moderator: Ronny Geva
Zion Hall A
1. BERTENS, D
2. KIVILIS-MEIRI, N
3. DAVIDOVITCH, S
- Effects of Combining Errorless Learning and Goal Management Training on Daily Executive Functioning after Acquired Brain Injury
Associations Between Family Burden, Daily Functioning and Psychological Reactions Among Patients With Brain Injury, Before and After Out-patient Neuropsychological Rehabilitation
Brooding Regarding Negative Experiences: From an Actor to an Observer Perspective

4. IBARRETXE-BILBAO, N Improving Functional Disability, Depression and Cognition in Parkinson Disease with REHACOP Program
5. SHANY-UR, T Predictors of community integration in acquired brain injury patients undergoing neuropsychological rehabilitation: the role of cognitive abilities and self-reported life satisfaction and mood

3:45–5:15 PM

1. BOTTINI, G Grasping: from lab to rehab
2. TARAGIN, D Mental Rotation: The Effects of Processing Strategy and Gender on Children's Performance and Eye Movements' Pattern
3. ZADKA, H Patients with Parkinson's Disease Are Able to Learn in a Probabilistic Feedback-Based Learning Environment When Level of Uncertainty Is Reduced
4. AHONNISKA-ASSA, J Growing up with Acquired Visual Disorientation and Body Schema Disorder: 10 Years of Clinical Observation and Neuropsychological Follow-up
5. FRENKEL-TOLEDO, S Dysfunction of the Human Mirror Neuron System in Parietal Ideomotor Apraxia: Evidence from Mu Suppression

Paper Session 10: Cognitive Neuroscience (A)**Moderator: Simone Shamay-Tsoory****Zion Hall B****3:45–5:15 PM****Poster Session 4: Cognitive Neuroscience, Language and Speech Functions, and Medical/Neurological Disorders/Other****Zion Hall D and West & North Foyers****Cognitive Neuroscience**

1. RANNIKKO, I Changes in verbal learning and memory in schizophrenia and non-psychotic controls in midlife: A nine-year follow-up in the Northern Finland Birth Cohort 1966 study
 2. RANNIKKO, I Longitudinal change of verbal and visual learning and memory in midlife in general population sample. A nine-year follow-up in the Northern Finland Birth Cohort 1966 study
 3. BALCONI, M Reward Sensitivity, Cognition and Metacognition in Gambling Behavior
 4. VANUTELLI, ME Arousal Modulation In Disturb Of Consciousness: How about the Semantic Meaning Process?
 5. SEMYONOV, O What You See Is What You Get? Mechanisms of Impaired Emotion Recognition in Developmental Visual Agnosia
 6. NAPARSTEK, S A Case Study of Acalculia
 7. WAPP, M Cognitive Improvement in Patients with Carotid Artery Disease is Independent of Treatment Type
 8. ITOL, C Cognitive traits predict sleepiness during awake surgery
 9. IBARRETXE-BILBAO, N The Relationship Between the Uncinate Tract and Verbal and Visual Memory is Mediated by Processing Speed in Parkinson Disease
 10. IBARRETXE-BILBAO, N Structural Brain Alterations and Cognitive Disturbances in Parkinson's Disease Patients with Impaired Processing Speed
 11. RIVOLTA, D Multi-voxel pattern analysis (MVPA) of fMRI data reveals aberrant face-discriminant ability in people with congenital prosopagnosia
 12. SALNER, N Spatial Attention Affects Letter Position Errors in Reading in Short Exposure
 13. AREND, I Dissociating Emotion and Attention Functions in the Pulvinar Nucleus of the Thalamus
- Language and Speech Functions/Aphasia**
14. NEUMANN-WERTH, Y An Electrophysiological Investigation of the Lateral Anterior Positivity: Clinical Implications
 15. FRIEDMANN, N Anomia in the phonological output lexicon: another source for Surface dyslexia
 16. CHERNEY, LR Transcranial Direct Current Stimulation: A Pilot Study of Anodal, Cathodal and Sham Stimulation in Aphasia
 17. CHERNEY, LR Computer-Directed Sentence-Level Writing Treatment for Persons with Chronic Aphasia
 18. KISELEV, S Investigation of brain holistic mechanism in Russian-speaking children with weakness in grammar understanding
 19. VÁZQUEZ DE SEBASTIÁN, J Efficacy of the Spanish Version of the Constraint-Induced Aphasia Therapy in Post-Stroke Aphasia
 20. LEIVA MADUEÑO, I Beyond Language: Melodic Intonation Therapy Improves Communication, Behaviour and Quality of Life in Subacute and Early Chronic Post-Stroke Aphasia
 21. TRINCZER, IL Who Moved the Middle? Effect of Reading Direction and Morphology on Visual Perception of Written Words
 22. GAWRON, N Narrative Discourse in Individuals with Subcortical Ischaemic Vascular Dementia (SIVD)
 23. GUGGENHEIM, R Previously Undescribed Type of Developmental Phonological Dyslexia
 24. BALABAN, N Brain Damage, Theory of Mind and Language
 25. BEN-DAVID, BM A New Tool for Assessing Impairments of Identification of Emotions in Spoken Language Following Traumatic Brain Injury - the Test of Rating of Emotions in Speech (T-RES)
 26. YACHINI, M Dyslexia & SLI: A Double Dissociation

Medical/Neurological Disorders/Other (Adult)

27. HARCIAREK, M Defective performance on Trail Making Test in adequately hemodialyzed patients: A general slowing or an executive phenomenon?
28. ZURAWEL, M The Effect of Surgery, Surgery Type and Cognitive Reserve on Neuropsychological Outcome after STN DBS Surgery in Parkinson Disease Patients
29. RUIS, C Awake craniotomy and coaching
30. TAL SABAN, M Participation Profile of Young Adults with Developmental Coordination Disorder (DCD)
31. CAVACO, S Cognitive Functioning in Acquired Hepatocerebral Degeneration
32. NORDLUND, A Frequent Mild Cognitive Deficits in Several Functional Domains in Elderly Patients with Heart Failure without Known Cognitive Disorders

Medical/Neurological Disorders/Other (Child)

33. MARYNIAK, A Pure alexia in a teenage girl after the removal of a large astrocytoma in the third ventricle and the left lateral ventricle
34. MARYNIAK, A Are children with pilocytic astrocytoma in the cerebellum especially intelligent?
35. YANG, C Improvement of Verbal Ability Correlated With Increased Left Temporal Perfusion Following Encephaloduroarteriosynangiosis in Pediatric Patients with Moyamoya Disease
36. HAIN, L Relationship between Neonatal Hypoxia-Periventricular Leukomalacia and Neuropsychological Sequelae
37. PIERCY, J Neuropsychological Functioning and Linear Growth in Very Preterm-Born Preschoolers
38. CHISHOLM, AK Intellectual, Academic and Psychosocial Functioning in School-Aged Children with Oesophageal Atresia
39. HAKKARAINEN, E Arithmetic Fluency in Youth with Cerebral Palsy
40. SUDIKOFF, EL Electrophysiological Evidence of Attentional Network Disruptions in Children with Neurofibromatosis Type 1

5:15–6:15 PM

INS Awards Ceremony & Business Meeting
Awards Ceremony Chair: Robert K. Heaton
Business Meeting Chair: Erin D. Bigler
Zion Ballroom

7:00–8:30 PM

Optional Meeting Dinner
Inbal Hotel Restaurant

FRIDAY, JULY 11, 2014**9:00–10:00 AM**

Keynote: Insights Into Cognition from Intracranial Recordings
Presenter: Robert T. Knight (Introduction: Leon Deouell)
Zion Ballroom

1. KNIGHT, RT

Insights Into Cognition from Intracranial Recordings

10:00–10:30 AM

Coffee Break
Zion Hall D

10:30 AM–12:00 PM

Symposium 6: Life-Span Development of Episodic Memory: Neural Correlates and Modifiers
Chair: Naftali Raz
Discussant: Ulman Lindenberger
Zion Hall C

1. RAZ, N
 2. OFEN, N
 3. RAZ, N
 4. LINDENBERGER, U
 5. DUZEL, E
 6. BÄCKMAN, L

Life-Span Development of Episodic Memory: Neural Correlates and Modifiers
 Development of Episodic Memory in Children and Young Adults
 Linking age-related changes in brain “hardware” and memory: why is it so hard?
 Discussant’s statement
 Motivational regulation of episodic memory consolidation in older adults
 Dopamine and Episodic Memory

10:30 AM–12:00 PM**Paper Session 11: Executive Functions****Moderator: Yehuda Pollak***Zion Hall A*

1. JANSARI, A
C'est Ma Fête! Can A French Adaptation Of A Virtual Reality Assessment Of Children's Executive Functions (JEF-C[®]) Work And Be Used With Paediatric Patients With Acquired Brain Injury?
2. MOTA, N
Action Decision in Moral Dilemma Vary With Deliberated Self-Control Among Healthy Female University Students: A Preliminary Study
3. HELED, E
Executive Functions among Current and Recovered Anorexia Nervosa Patients: Quantitative and Qualitative Analyses
4. LAZER, SC
Differentiation Between "Cold" and "Hot" Executive Functions in Eating Disorders: Implications for Intervention

10:30 AM–12:00 PM**Paper Session 12: Cognitive Neuroscience (B)****Moderator: Roy P. Kessels***Zion Hall B*

1. MAYSELESS, N
Modulating creativity by altering the balance between right and left inferior frontal gyrus with tDCS
2. SHABI, A
The Effects of Chronic Sleep Loss on Information Processing Speed and Subsequent Effects on Other Cognitive Abilities in Adolescents
3. HILLARY, FG
Hyperconnectivity in brain networks as a marker of recovery following traumatic brain injury
4. RAJTMAJER, S
Modeling plasticity in brain networks after neurological disruption: a critique of connectivity modeling approaches
5. RAZ, N
Beyond the Eye - Behavioral and Cortical Assessment in Posterior Cortical Atrophy (PCA)

10:30 AM–12:00 PM**Poster Session 5: Assessment/Psychometrics/Methods, Cross Cultural, Drug/Toxin-Related Disorders, Electrophysiology, Forensic Neuropsychology, Demyelinating Disorders, and Psychopathology/ Neuropsychiatry***Zion Hall D and West & North Foyers***Assessment/Psychometrics/Methods (Adult)**

1. AXELROD, BN
Using Finger Tapping as a Measure of Performance Validity
2. BOUMAN, Z
Validation of the Dutch version of the Wechsler Memory Scale – Fourth Edition in patients with Temporal Lobe Epilepsy
3. IBARRETXE-BILBAO, N
Validation and Normalized Data for the M-WCST (NORMACOG Project) in Spanish Population
4. IBARRETXE-BILBAO, N
Comparison of the Verbal Fluency Performance with letter P and Letter L in a Spanish Sample
5. BOLCEKOVA, E
The Bicycle Drawing Test: A Useful Method for Assessing Visuospatial and Executive Functions
6. LOJEK, E
The Value of the Activity in Coping and Positive Attitude Scale in the Assessment of Depression in Healthy Persons, Brain Damaged Individuals and Patients with Major Depression
7. RIOS-LAGO, M
Construct Validity Of The Stroop Colour-Word Test: Influence Of Speed Of Information Processing, Verbal Fluency, Perceptual Interference, Motor Inhibition, Cognitive Flexibility, And Working Memory
8. BOYCHEVA, EL
Clinical Validity of The Spanish Version of Mattis Dementia Rating Scale in Patients with Mild Alzheimer's Disease and Mild Cognitive Impairment
9. ASANO, K
Word Retrieval Process Analyzed by Clustering and Switching Components in Phonemic Verbal Fluency Test by Japanese with Parkinson's Disease
10. CALDERÓN CHAGUALÁ, JA
Neuropsychological Profile of tolimenses Athlete
11. MICHALEC, J
Validity of the Tower of London Task for Detection of Planning Impairment in Patients with Parkinson Disease Mild Cognitive Impairment

Assessment/Psychometrics/Methods (Child)

12. KONSTANTOPOULOS, K
Sensitivity of the Children Color Trails Test (CCTT) in bilingual Cypriot children
13. MORENO DE IBARRA, M
Neuropsychological Functioning of Children with Attention Deficit Hyperactivity Disorder, with High Functioning Autism and Without Diagnosis. From Research to Intervention
14. GUEDES, DZ
Neuropsychological screening and assessment in Brazilian infants under risk conditions
15. OLIVEIRA, RM
Normative data for Brazilian children on the RAVLT, Verbal Fluency and Stroop paradigms
16. OLIVEIRA, RM
Evidence of reliability on the RAVLT, Verbal Fluency and Stroop Paradigms applied to Brazilian children

Cross Cultural

17. KOTIK-FRIEDGUT, B
Cultural Neuropsychology: Roots and New Branches
18. CARACUEL, A
Prevalence of Perceived Ethical Misconduct: A National Survey of Neuropsychology Professionals in Spain
19. RIVERA, D
Prevalence of Perceived Ethical Misconduct: An International Survey of Neuropsychology Professionals across Latin America

20. ARANGO LASPRILLA, JC A National Survey of the Neuropsychology Professionals in Latin America
 21. PERRIN, PB A National Survey of the Neuropsychology Professionals in Spain
- Drug/Toxin-Related Disorders (Including Alcoholism)**
22. AMBROZIAK, AR Subjective Well-Being in Drug Addicted Patients: Indications for Neuropsychologists
 23. SANTA MARIA, MP Cognitive Intra-Individual Variability Predicts Historical Lead Exposure but Academic Intra-Individual Variability Does Not
- Electrophysiology/EEG/ERP**
24. ERLBECK, H Effects of Attentional Modulation on the Mismatch Negativity (MMN) in a Single vs. Multifeature Oddball
 25. SOLLFRANK, T Effects of 3D Visualisation Modalities on Motor Related Potentials
 26. SHEVTSOVA, T Dual-Tasks as an Approach to Estimation of Functional Capacity under Information Loads in Patients with Traumatic Brain Injury and Healthy Persons
 27. ANDERSSON, S Sensory Evoked Potential Modulation – an Index of LTP-like Stimulus-Specific Neocortical Plasticity?
 28. JANG, S The effect of hypersonic wave sound for EEG
- Epilepsy/Seizures**
29. KRAMSKA, L Cognitive performance in patients with psychogenic non-epileptic seizures
- Stroke/Aneurysm**
30. KRAMSKA, L Assessment of cognitive decline in patients treated for cerebral aneurysm using Czech Reading Test
- Forensic Neuropsychology**
31. WILLSON, P The Utility of MMSE as a Predictor of Real-Life Testamentary Capacity
 32. STARZA-SMITH, A Neuropsychological Risk Factors for Offending in Children/Adolescents Post Acquired Brain Injury (ABI): Two Case Studies - Pyromania and Sexual Disinhibition
 33. DAMRY, T A Novel Symptom Validity Test (SVT) Based on the Delis Kaplan Executive Function System (D-KEFS) Card Sorting Test
- Multiple Sclerosis/ALS/Demyelinating Disorders**
34. IBARRETXE-BILBAO, N Cognitive Impairment and Brain Structural Alterations in Multiple Sclerosis Patients
- Psychopathology/Neuropsychiatry (Other)**
35. HELED, E Extreme “Fragmented Perception” in the ROCFT - A Neuropsychological Case Study of Patient with Anorexia Nervosa
 36. LICHTENSTEIN-VIDNE, L Distracting Stimuli and Affective Disorders: The Interactive Relationship between Task- Relevance, Anxiety and Depression
 37. GERTNER, L When personality meets memory
- Psychopathology/Neuropsychiatry (Schizophrenia)**
38. TOBA, M Deductive reasoning in schizophrenia
 39. TOBA, M Theory of mind kind of humor understanding seems to be specifically altered in schizophrenia
 40. FERNANDEZ-GONZALO, S A New Social and Non-Social Cognitive Rehabilitation Computerized Program for Schizophrenia/ Schizoaffective Disorders in Early Stages: Preliminary Efficacy Results and Maintenance at 3months Follow-up

12:00–1:30 PM**Symposium 7: Creating Accessible Measures for Children with Motor and Communication Impairments****Chair: Tamar Silberg***Zion Hall C*

1. SILBERG, T Creating Accessible Measures for Children with Motor and Communication Impairments
 2. WARSCHAUSKY, S Studying the psychometric properties of alternative and modified accessible cognitive assessment instruments
 3. KAUFMAN, J Accessible assessment of auditory and visual working memory in children with cerebral palsy
 4. AHONNISKA-ASSA, J Using Eye-tracking Technology in Assessing Cognitive Functioning among Girls with Severe Motor and Communication Limitations
 5. GOFER-LEVI, M What can implicit measures tell us about learning abilities among children with Cerebral Palsy (CP)?

12:00–1:30 PM**Paper Session 13: Memory****Moderator: Daniel A. Levy***Zion Hall A*

1. PERTZOV, Y Remembering What Was Where, From Cognitive Mechanisms to the Clinic

2. BLOCH, A Motor and Non Motor Sequence Learning in People with Spinal Cord Injury
3. ALTGASSEN, M Executive Control Load Affects Prospective Memory Performance in Individuals with Korsakoff Syndrome
4. STANILOIU, A Chronic Functional Amnesia after Anesthesia
5. BREZIS, RS Neural Correlates of Self-related Memory in Youth with Autism Spectrum Conditions

12:00–1:30 PM

Paper Session 14: Cognitive and Behavioral Neurology

Moderator: Fofi Constantinidou

Zion Hall B

1. GEFFEN, G Maladaptive Neuroplasticity Reversal By Multidisciplinary Intervention: A Case Study Of Complex Regional Pain Syndrome (CRPS)
2. CONSTANTINIDOU, F Benign Rolandic Epilepsy and memory performance in elementary school-age children: Not so “benign” after all?
3. EVANS, J Understanding and Assessing Dual-tasking Deficits in People with Multiple Sclerosis (PWMS)
4. HUENGES WAJER, I Relationship between CT-perfusion on admission and cognitive functioning 3 months after aneurysmal subarachnoid hemorrhage
5. MENESES, RF Quality of life in epilepsy across time: Does it change? Why (not)?