



MENTAL HEALTH

**selected publications
produced by ISS researchers**

(January 2019 - September 2022)



Bibliographic research

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Preface

The World Health Organization (WHO) establishes the essential role of mental health for the social realization of individuals and their overall state of health. Mental disorders are a major source of suffering and disability in the world today and are progressively increasing.

In line with the WHO's Mental Health Action Plan 2013-2030, the Istituto Superiore di Sanità (ISS, the National Institute of Health in Italy) aims to: provide more effective leadership and governance for mental health; comprehensive, integrated mental health and social care services in community-based settings; implement strategies for promotion and prevention; and strengthened information systems, evidence and research.

The etiopathogenesis of mental disorders involves multiple interactions between the nervous and other physiological systems, thus a multidisciplinary approach is needed combining clinical research with the investigation of the biological and psychosocial factors that contribute to disease vulnerability and resilience.

The ISS promotes basic and applied research in mental health with special attention to critical phases of the life-cycle, such as the perinatal period, childhood, adolescence and senescence. The conditions and diseases studied include neurodevelopmental disorders, depression, anxious syndromes, obsessive-compulsive, emotional, cognitive, mnemonic, psychosomatic, and stress related disorders. Functional interactions between the nervous, immune, and endocrine systems, as well as comorbidity with metabolic disorders are also studied as potential risk factors and for promotion and prevention of psychopathology.

The ISS approach is interdisciplinary and involves multiple disciplines such as psychiatry, neuroscience, epidemiology, clinical psychology, ethology, psychobiology, psychopharmacology and genetics. The interactions between biological, behavioural, social and environmental factors are studied both in the prevention and onset of mental disorders using experimental models, clinical studies, longitudinal populations cohorts and studies on twins. Innovative methodologies for mental health prevention and promotion are developed and validated tackling social inclusion and integration.

Effectiveness of psychotherapeutic and rehabilitative approaches is investigated also in relationship with the individual life-history and socio-economic conditions and in their interaction with pharmacological treatments. Mental health interventions to promote mental health in schools and in the workplace are devised as well as studies on health and social services to improve access and quality of care.

In this context, the publications listed in this booklet produced by the ISS researchers from different ISS Departments/Centres show the Institute's commitment in the area of mental health.

In the last 4 years (from January 2019 to September 2022) more than 230 contributes were produced. Most of the ISS scientific publications (over 170) is hosted in international journals, but there is also a part in-house edited in the institutional science journal *Annali*, the newsletter *Notiziario* and in the series of reports (*Rapporti ISTISAN*, *ISTISAN Congressi*, *Rapporti ISS COVID-19*, *Consensus ISS*). All publications edited by the ISS are online available in open access according to the ISS editorial policy (<https://www.iss.it/en/publ>).

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Annali dell'Istituto Superiore di Sanità

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Peer reviewed quarterly science journal with **Impact factor 2,210** (2021) publishes research articles in biomedicine, translational research and in many other disciplines of the health sciences. It is an open access journal and is listed in the Directory of Open Access Journals (DOAJ).

2019

- Brunero F, Venerosi A, Chiarotti F, Arduino GM. Are touch screen technologies more effective than traditional educational methods in children with autism spectrum disorders? A pilot study. *Ann Ist Super Sanità* 2019;55(2):151-60.
- Gigantesco A, Palumbo G, Zadworna-Cieślak M, Cascavilla I, Del Re D, Kossakowska K and WST European Group. An international study of middle school students' preferences about digital interactive education activities for promoting psychological well-being and mental health. *Ann Ist Super Sanità* **2019**;55(2):108-17.
- Medda E, Alessandri G, Delfino D, Fagnani C, Ferri M, Violani C, Stazi MA. Adolescents self-reported sleep quality and emotional regulation: a discordant twin study. *Ann Ist Super Sanità* **2019**;52(2):118-23.
- Petrini M, Cirulli F, D'Amore A, Masella R, Venerosi A, Carè A. Health issues and informal caregiving in Europe and Italy. *Ann Ist Super Sanità* **2019**;55(1):41-50.
- Tolone O. From the impatient doctor to the patient-doctor. *Ann Ist Super Sanità* **2019**;55(1):1-2.

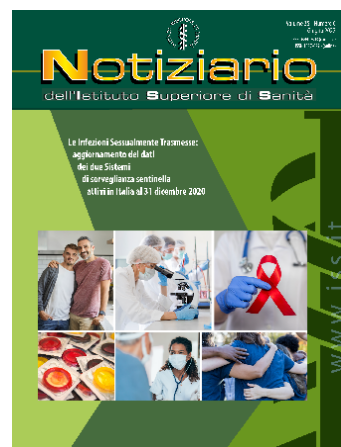
2020

- Bertelli M, Francescutti C, Brown I. Reframing QoL assessment in persons with neurodevelopmental disorders. *Ann Ist Super Sanità* **2020**;56(2):180-192.
- Borgi M, Collacchi B, Correale C, Marcolin M, Tomasin P2, Grizzo A, Orlich R, Cirulli F. Social farming as an innovative approach to promote mental health, social inclusion and community engagement. *Ann Ist Super Sanità* **2020**;56(2):206-14.
- Camoni L, Picardi A, Venerosi A. New mode of care. Value and limit of the person-centered care planning for people with mental disability. *Ann Ist Super Sanità* **2020**;56(2):193-205.

- Cappa C, Figoli M, Rossi P. Network of services facilitating and supporting job placement for people with autism spectrum disorders. The experience of the ASL Piacenza, Italy. *Ann Ist Super Sanità* **2020**;(56)2:241-6.
- Caroppo E, De Lellis L, Lega I, Candelori A, Pedacchia D, Pellegrini A, Sonnino R, Venturiello V, Ruiz Marín M, Porfiri M. Unequal effects of the national lockdown on mental and social health in Italy. *Ann Ist Super Sanità* **2020**;56(4):497-501.
- Cavagnola R, Alzani L, Carnevali D, Chiodelli G, Corti S, Fioriti F1, Galli ML, Leoni M, Michelini G, Miselli G. Neurodevelopmental disorders and development of project of life in a lifespan perspective: between habilitation and quality of life. *Ann Ist Super Sanità* **2020**;(56)2:230-40.
- Cirulli F, Venerosi A. A focus on the rights to self-determination and quality of life in people with mental disabilities. Editorial. *Ann Ist Super Sanità* **2020**;56(2):133-4.
- Di Giorgi E, Michielin P, Michielin D. Perception of climate change, loss of social capital and mental health in two groups of migrants from African countries. *Ann Ist Super Sanità* **2020**;56(2):150-6.
- Di Sarro R, Varruciu N, Di Santantonio A, Bonsi II. The integrated and disability health program of AUSL Bologna. The Alstom experience for employment access in high functioning autism spectrum disorders. *Ann Ist Super Sanità* **2020**;(56)2:247-50.
- Ferraro F, Trimarco B, Morganti MC, Marino G, Pace P, Marino L. Life-long individual planning in children with developmental disability: the active role of parents in the Italian experience. *Ann Ist Super Sanità* **2020**;(56)2:171-9.
- Laghi F, Trimarco B. Individual planning starts at school. Tools and practices promoting autonomy and supporting transition to work for adolescents with autism spectrum disorder. *Ann Ist Super Sanità* **2020**;(56)2:220-9.
- Leoni M, Alzani L, Carnevali D, Cavagnola R, Chiodelli G, Corti S, Fioriti F, Galli ML, Michelini G, Miselli G. Stress and wellbeing among professionals working with people with neurodevelopmental disorders. Review and intervention perspectives. *Ann Ist Super Sanità* **2020**;(56)2:215-21.
- Veltro F, Latte G, Ialenti V, Bonanni E, Di Padua P, Gigantesco A. Supplementary materials for effectiveness of psycho-educational intervention to promote mental health focused on emotional intelligence in middle-school. *Ann Ist Super Sanità* **2020**;(56)1:66-71.
- Venerosi A, Cirulli F. A focus on the rights to self-determination and quality of life in people with mental disabilities. *Ann Ist Super Sanità* **2020**;(56)2:133-4.
- Venerosi A, Cirulli F. Life planning for people with neurodevelopmental and intellectual disability: effective support, quality of life, and community engagement. *Ann Ist Super Sanità* **2020**;(56)2:168-70.

- Camoni L, Brescianini S, Mirabella F, Calamandrei G, Barbano G, Cattaneo M, Del Re D, Michielin P, Palumbo G, Gigantesco G. A structured program for perinatal depression and anxiety to be adopted in the emergencies. *Ann Ist Super Sanità* **2021**;(57)1:67-71.
- Camoni L, Mirabella F, La Sala L, Romano G, Barbano G, Cattaneo M, Cena L, Michielin P, Ialenti V, Veltro F, Cascavilla I, Del Re D, Palumbo G, Gigantesco A. Feasibility and effectiveness of the Australian perinatal mental health approach in the Italian health services: progress and challenges. *Ann Ist Super Sanità* **2021**;57(1):51-6.
- Ferrara M, Funaro MC, Vacca F, Kusmann F, Tedeschini E, Galeazzi GM, Scattoni ML, Starace F. The cost of caring during recent epidemics: a rapid review of risk factors, psychological manifestations, and strategies for its treatment. *Ann Ist Super Sanità* **2021**;57:7-17.
- Gasparini M, Moro V, Amato S, Vanacore N, Gambina G. Supplementary Materials for the evaluation of capacity in dementia: ethical constraints and best practice. A systematic review. *Ann Ist Super Sanità* **2021**;(57)3:212-25.
- Gasparini M, Moro V, Amato S, Vanacore N, Gambina G. The evaluation of capacity in dementia: ethical constraints and best practice. A systematic review. *Ann Ist Super Sanità* **2021**;(57)4:212-5.
- Hirshler Y, Gemmill AW, Milgrom J. An Australian perspective on treating perinatal depression and anxiety: a brief review of efficacy and evidence-based practice in screening, psychosocial assessment and management *Ann Ist Super Sanità* **2021**;(57)1:40-50.
- Howard LM, Fiorillo A, Starace F (Ed.). New perspectives in perinatal mental health models: facing challenge for Italian health services. *Ann Ist Super Sanità* **2021**;(57):1 37-9.
- Leombruni P, Lo Moro G, Bert F, Siliquin R. Suicidal ideation among Italian medical students: prevalence and associated factors from a multicenter study. *Ann Ist Super Sanità* **2021**;(57):4 324-9.
- Nascetti S, Busani L, Bartoli F, Orioli R, Stenico A, Regele D. Community waterborne outbreak linked to a firefighting response during the COVID-19 emergency. *Ann Ist Super Sanità* **2021**;(57)3:226-32.
- Pavarin RM, Domenicali M, Marani S, Turino E, Caputo F. Mortality risk in a population of patients treated for gambling disorders: results of a follow-up study. *Ann Ist Super Sanità* **2021**;(57)4:205-11.
- Toccaceli V, Fagnani C, Gigantesco A, Picardi A, Stazi MA. Attitude of potential biobank donors screened for depression towards disclosure of individual health results. *Ann Ist Super Sanità* **2021**;57(2):138-43.
- Vichi M, Berardelli I, Pompili M. Completed suicide during pregnancy and postpartum. *Ann Ist Super Sanità* **2021**;(57)1:57-66.

Notiziario dell'Istituto Superiore di Sanità



Monthly newsletter on current information on institutional activities (conferences, projects and news) mainly addressed to Italian health professionals.

2019

Camoni L, Gigantesco A, Fiorino Mirabella F, Del Re D, Cascavilla I, Alviti S, Palumbo G. Convegno: la salute mentale perinatale: dall'Australian Parent-Infant Research Institute alla pratica nei servizi sanitari italiani. *Not Ist Super Sanità* **2019**;32(12):11-3.

D'Aloja P, Lega I, Maraschini A, Dell'Oro S, Buoncristiano M, Androzzzi S, Ferraro C, Sampaolo L, Pediconi M, Bucciarelli M, Donati S, Gruppo di lavoro sorveglianza ostetrica ISS-Regioni. Convegno La sorveglianza ostetrica ItOSS. Istituto Superiore di Sanità. Roma, 14 marzo 2019. *Not Ist Super Sanità* **2019**;32(4):7-10.

Guidomei S, Lega I, Cicconetti C, Falcieri M, Castelli E, Donati S, Borsari S. Realizzazione di un intervento per il riconoscimento del disagio psichico perinatale e sostegno alla maternità fragile nei servizi del percorso nascita della AUSL di Bologna. *Not Ist Super Sanità* **2019**;32(11) Inserto BEN:1-7.

Lega I, Dell'Oro S, Maraschini A, D'Aloja P, Androzzzi S, Gruppo ISS- Regioni per le analisi dei flussi correnti relativi alla salute mentale, Donati S. Primo Rapporto ItOSS. Sorveglianza della Mortalità Materna. Suicidio materno e disagio psichico perinatale. *Not Ist Super Sanità* **2019**;32(1-2):47-56 (Suppl. 1).

Lega I, Maraschini A, Vichi M, D'Aloja P, Androzzzi S, Ferraro C, Pediconi M, Spettoli D, Loghi M, Donati S. Dalla sorveglianza ItOSS la descrizione del fenomeno del suicidio materno in Italia. *Not Ist Super Sanità* **2019**;32(9):3-7.

2020

Longo E, De Castro P, De Santi A, Scaravelli G. Convegno violenza di genere: riconoscere per prevenire, contrastare e assistere le donne che hanno subito violenza. *Not Ist Super Sanità* **2020**;33(6):28-31.

Scafato E, Gandin C, Ghirini S, Matone A, Scipione R. Alcol e Covid-19: le azioni dell'Osservatorio Nazionale Alcol e del Centro OMS per la ricerca e la promozione della salute su alcol e problematiche alcol-correlate. *Not Ist Super Sanità* **2020**;33(6):3-5.

2021

Canevelli M, Bacigalupo I, Remoli G, Salvi E, Di Fiandra T, Vanacore N. L'impatto della pandemia di COVID-19 sulle persone con demenza. *Not Ist Super Sanità* **2021**;34(1):9-12.

Collacchi B, Francia N, Borgi M, Cirulli F. La riabilitazione equestre per i disturbi del comportamento alimentare: uno studio pilota. *Not Ist Super Sanità* **2021**;34(2):7-11.

2022

Bellomo G, Sciancalepore F, Lacorte E, Remoli G, Canevelli M, Ricci C, Italiano D, Mazzoleni F, Pirani A, Vanacore N. Il ruolo del medico di medicina generale nella prevenzione e nella gestione del paziente con demenza. *Not Ist Super Sanità* **2022**;35(4):9-12.

Galluzzo L, Brigid Unim B, Onder G. Il global Burden of Disease delle demenze: il contributo dell'Istituto Superiore di Sanità per affinare la misurazione e l'allineamento alla realtà italiana. *Not Ist Super Sanità* **2022**;35(7-8):13-6.

Longo E, De Castro P, De Santi A, Scaravelli G. Convegno Violenza domestica e conseguenze sulla salute psico-fisica. *Not Ist Super Sanità* **2022**;35(2):18-21.

Rapporti ISTISAN



Reports containing technical information, data, research protocols, proceedings, training material and the results of other activities carried out by the ISS. They are issued in five areas: Environment and health, Epidemiology and public health, Training and information, Pathologies, Technology and health.

2019

Bruni A, Libianchi S. Psicologia penitenziaria: evoluzione (e involuzione) di una psicologia di frontiera nel sistema della giustizia e nel sistema sanitario. In: Mancinelli R, Chiarotti M, Libianchi S (Ed.). *Salute nella polis carceraria: evoluzione della medicina penitenziaria e nuovi modelli operativi*. Roma: Istituto Superiore di Sanità; **2019**. (Rapporti ISTISAN 19/22). p.106-17.

2020

Borgi M, Cirulli F, Ferraro M, Laghi F, Venerosi A (Ed.). *Modelli innovativi di welfare: il progetto individuale come strumento di inclusione sociale e lavorativa di persone con autismo*. Roma: Istituto Superiore di Sanità; **2020**. (Rapporti ISTISAN 20/17).

Petrini C, D'Aprile C, Floridia G, Gainotti S, Riva L, Tamiozzo S (Ed.). *Tutela della salute individuale e collettiva: temi etico-giuridici e opportunità per la sanità pubblica dopo COVID-19*. Roma: Istituto Superiore di Sanità; **2020**. (Rapporti ISTISAN 20/30).

Venerosi A. Disturbi dello spettro autistico: ecologia dei modelli abilitativi. In: Borgi M, Cirulli F, Ferraro M, Laghi F, Venerosi A (Ed.). *Modelli innovativi di welfare: il progetto individuale come strumento di inclusione sociale e lavorativa di persone con autismo*. Roma: Istituto Superiore di Sanità; **2020**. (Rapporti ISTISAN 20/17). p.4-14.

Venerosi A, Cirulli F, Borgi M, Laghi F, Ferraro M. Innovare il sistema di welfare per le persone adulte con disturbi del neurosviluppo e disabilità intellettiva: considerazioni per il futuro. In: Borgi M, Cirulli F, Ferraro M, Laghi F, Venerosi A (Ed.). *Modelli innovativi di welfare: il progetto individuale come strumento di inclusione sociale e lavorativa di persone con autismo*. Roma: Istituto Superiore di Sanità; **2020**. (Rapporti ISTISAN 20/17). p.68-74.

2021

Aguzzoli C, De Santi A, Geraci A (Ed.). *Benessere e gestione dello stress secondo il modello biopsicosociale: focus su scuola, università e sanità*. Roma: Istituto Superiore di Sanità; **2021**. (Rapporti ISTISAN 21/4).

2022

Borgi M, Genova A, Collacchi B, Cirulli F (Ed.). *Agricoltura sociale: processi, pratiche e riflessioni per l'innovazione socio-sanitaria*. Roma: Istituto Superiore di Sanità; **2022**. (Rapporti ISTISAN 22/9).

Camoni L, Mirabella F, Medda E, Gigantesco A, Picardi A, Ferri M, Cascavilla I, Del Re D, D'Ippolito C, Veltro F, Scattoni ML, Starace F, Di Cesare M, Magliocchetti N, Calamandrei G e i referenti dei Dipartimenti di Salute Mentale. Indagine sul funzionamento dei Dipartimenti di Salute Mentale durante la pandemia da SARS-CoV-2. Roma: Istituto Superiore di Sanità; **2022**. (Rapporti ISTISAN 22/21)

Causarano M, Venerosi A. Agricoltura sociale e budget di salute: strategie di intervento dei servizi sociosanitari per una salute mentale di comunità. In: Borgi M, Genova A, Collacchi B, Cirulli F (Ed.). *Agricoltura sociale: processi, pratiche e riflessioni per l'innovazione socio-sanitaria*. Roma: Istituto Superiore di Sanità; **2022**. (Rapporti ISTISAN 22/9). p.62-78.

Grussu P, Lega I. Salute mentale perinatale e consultori familiari. In: Lauria L, Lega I, Pizzi E, Bortolus R, Battilomo S, Tamburini C, Donati S (Ed.). *Indagine nazionale sui consultori familiari 2018-2019. Risultati generali*. Roma: Istituto Superiore di Sanità; **2022**. (Rapporti ISTISAN 21/16 Pt. 1). p.128-36.

ISTISAN Congressi

Abstract books of conferences presented at events organized by the ISS.



Mazzola M, Ruggeri P, Bacigalupo I, Canevelli M, Lacorte E, Vanacore N (Ed.). 13° Convegno. *Il contributo dei Centri per i Disturbi Cognitivi e le Demenze nella gestione integrata dei pazienti*. Istituto Superiore di Sanità. Roma, 14-15 novembre 2019. Riassunti. Roma: Istituto Superiore di Sanità, **2019** (ISTISAN Congressi 19/C5).

Renzi E, Bernardini I, Damato FM, Di Pucchio A (Ed.). XII Seminar - PhD Day. *Happiness is a simple system*. Virtual Meeting. Organized by the Italian National Institute of Health and Sapienza University of Rome. July 15-16, 2021 Abstract book. Roma: Istituto Superiore di Sanità, **2021**. (ISTISAN Congressi 21/C2).



Consensus ISS

Gruppo di lavoro "Consensus sulle terapie psicologiche per ansia e depressione". *Consensus Conference sulle terapie psicologiche per ansia e depressione. Documento finale*. Roma: Istituto Superiore di Sanità; **2022**. (Consensus ISS 1/2022).

Working Group "Consensus on Psychological Therapies for Anxiety and Depression". *Consensus Conference on Psychological Therapies for Anxiety and Depression. Final Document. English Version*. Rome: Istituto Superiore di Sanità, **2022**. (Consensus ISS 1/2022 EN).





Rapporti ISS COVID-19

Reports mainly addressed to healthcare professionals to cope with different aspects of the COVID pandemic. They provide essential and urgent directions for emergency management

Gigantesco A, Picardi A, Leombruni P. Indicazioni per prendersi cura delle difficoltà e dei bisogni dei familiari di pazienti ricoverati in reparti ospedalieri COVID-19. Versione del 29 maggio 2020. Roma: Istituto Superiore di Sanità; **2020** (Rapporto ISS COVID-19 n. 41/2020).

Gruppo di lavoro ISS Salute mentale ed emergenza COVID-19. *Indicazioni ad interim per un appropriato sostegno della salute mentale nei minori di età durante la pandemia COVID-19.* Versione del 31 maggio 2020. Roma: Istituto Superiore di Sanità; **2020**. (Rapporto ISS COVID-19 n. 43/2020).

Gruppo di lavoro ISS Salute mentale ed emergenza COVID-19. Indicazioni di un programma di intervento per la gestione dell'ansia e della depressione perinatale nell'emergenza e post emergenza COVID-19. Versione del 31 maggio 2020. Roma: Istituto Superiore di Sanità; **2020**. (Rapporto ISS COVID-19 n. 44/2020).

Osservatorio Nazionale Autismo ISS. Indicazioni ad interim per un appropriato sostegno delle persone nello spettro autistico e/o con disabilità intellettiva nell'attuale scenario emergenziale SARS-CoV-2. Versione del 28 ottobre 2020. Roma: Istituto Superiore di Sanità; **2020**. (Rapporto ISS COVID-19 n. 8/2020 Rev. 2).

Veltro F, Calamandrei G, Picardi A, Di Giannantonio M, Gigantesco A. Indicazioni di un programma di intervento dei Dipartimenti di Salute Mentale per la gestione dell'impatto dell'epidemia COVID-19 sulla salute mentale. Versione del 6 maggio 2020. Roma: Istituto Superiore di Sanità **2020** (Rapporto ISS COVID-19 n. 23/2020).

Scientific publications

published in the international scientific literature not edited by the ISS

This section includes both articles published in scientific journals and other contributes not published by the ISS (monographs and chapters in monographs, abstracts and proceedings)

2019

- Ajmone-Cat MA, C, Valenti D, Franchi F, Macrì S, Vacca RA, Laviola G. In-Immune alterations and mitochondrial dysfunctions in a mouse model of paediatric autoimmune disorder associated with streptococcus: exacerbation by chronic psychosocial stress. *J Clin Med* **2019**;8(10):1514.
- Álvaro B, Canal-Bedia R, Magán-Maganto M, ..., Scattoni ML, *et al.* Early detection, diagnosis and intervention services for young children with autism spectrum disorder in the European Union (ASDEU): family and professional perspectives. *Journal of Autism and Developmental Disorders* **2019**.
- Borgi M, Ambrosio V, Cordella D, Chiarotti F, Venerosi A. Nationwide survey of healthcare services for autism spectrum disorders (ASD) in Italy. *Advances in Neurodevelopmental Disorders* **2019**;3(3):306-18.
- Borgi M, Marcolin M, Tomasin P, Correale C, Venerosi A, Grizzo A, Orlich R, Cirulli F. Nature-based interventions for mental health care: social network analysis as a tool to map social farms and their response to social inclusion and community engagement. *International Journal of Environmental Research and Public Health* **2019**;16(18):E3501.
- Brugnera A, Zarbo C, Farina B, Picardi A, Greco A, Lo Coco G, Tasca GA, Carlucci S, Auteri A, Greco F, Compare A. Psychometric properties of the Italian version of the Experience in Close Relationship Scale 12 (ECR-12): an exploratory structural equation modeling study. *Research in Psychotherapy: Psychopathology, Process and Outcome* **2019**;22:392.
- Carbone C, Lo Russo SLM, Lacivita E, Frank A, Alleva E, Stark H, Saso L, Leopoldo M, Adriani W. Prior activation of 5-HT7 receptors modulates the conditioned place preference with methylphenidate. *Front Behav Neurosci* **2019**;13:208.
- Cosentino L, Vigli D, Franchi F, Laviola G, De Filippis B. Rett syndrome before regression: A time window of overlooked opportunities for diagnosis and intervention. *Neurosci Biobehav Rev* **2019**;107:115-35.
- Ferrante G, Fasanelli F, Gigantesco A, Ferracin E, Contoli B, Costa G, Gargiulo L, Marra M, Masocco M, Minardi V, Violani C, Zengarini N, d'Errico A, Ricceri F. Is the association between precarious employment and mental health mediated by economic difficulties in males? Results from two Italian studies. *BMC public health* **2019**;19(1):869.

- Fonzi L, Picardi A, Monaco V, Buonarroti M, Prevete E, Biondi M, Pallagrosi M. Clinician's Subjective Experience in the Cross-Cultural Psychiatric Encounter. *Psychopathology* 2020;53:282-290.
- Fuellen G, Jansen L, Cohen AA, Luyten W, Gogol M, Simm A, Saul N, Cirulli F, Berry A, Antal P, Köhling R, Wouters B, Möller S. Health and aging: unifying concepts, scores, biomarkers and pathways. *Aging Dis* **2019**;10(4):883-900.
- Gigantesco A, Fagnani C, Toccaceli V, Stazi MA, Lucidi F, Violani C, Picardi A. The relationship between satisfaction with life and depression symptoms by gender. *Frontiers in Psychiatry* **2019**;10:419.
- Jankowska A, Polańska K, Hanke W, Wesołowska E, Ligocka D, Waszkowska M, Stańczak A, Tartaglione AM, Mirabella F, Chiarotti F, Garí M, Calamandrei G. Prenatal and early postnatal phthalate exposure and child neurodevelopment at age of 7 years - polish mother and child cohort. *Environ Res* **2019**;177:108626.
- Macrì S, Clément RJG, Spinello C, Porfiri M. Comparison between two- and three-dimensional scoring of zebrafish response to psychoactive drugs: identifying when three-dimensional analysis is needed. *PeerJ* **2019**;7:e7893.
- Marchi V, Hakala A, Knight A, D'Acunto F, Scattoni ML, Guzzetta A, Vanhatalo S. Automated pose estimation captures key aspects of General Movements at eight to 17 weeks from conventional videos. *Acta Paediatr* **2019**;108(10):1817-24.
- Micai M, Caruso A, Fatta LM, Fulceri F, Scattoni ML. Gender differences in high-functioning autism: implications in everyday life and clinical settings. *Italian Journal of Gender-Specific Medicine* **2019**;5(2):90-7.
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