

1

www.lesados.ch Newsletter #6 – December 2017

EDITORIAL

It was a very good year. This is the title of one of my father's favorite Sinatra songs. If we apply it to our research group, I believe it is quite true. During this 2017 that we are about to finish we have published 11 articles (plus three under review) and 2 reports, we have ran, with our colleagues from UNIL, a one-day symposium and a summer course, we have received a couple of international prizes, we have finished collecting data on the sexual behavior of Swiss youths and started the fourth wave of the GenerationFree study, we have attended national and international meetings where we have presented our research, we have been invited to meetings to present our research, and we have welcomed two new members to the team: Zhivko Taushanov, statistician, and Virginie Caloz, trainee. Overall, we cannot complain, but I still believe that, as one of my favorite Sinatra songs says: Best is yet to come.

In the meanwhile, we wish you the best for you and your families for 2018!



NEWS

IAAH Founders Award

JC Suris has been awarded the *IAAH Founders Award* in recognition of his outstanding lifetime achievement in advancing the health of adolescents locally, regionally, and globally and for his contribution to the International Association for Adolescent Health.

Excellence in Pediatrics, Vienna 2017

JC Suris and C Akre attended The 9th Excellence in Pediatrics Conference in Vienna (7-9 December): interesting conference with quite a few sessions on adolescent health, including a session on transition.



GenerationFree study

The fourth wave of the GenerationFree study (a longitudinal research on gambling and lifestyles of young people in the canton of Fribourg) has just been launched.

National survey on sexual health and behavior of young people in Switzerland

Data collection for the national survey (funded by the Swiss National Science Foundation) on *Sexual health and*

2

behavior of young people in Switzerland using the life history calendar method has just been completed. Results will be released in 2018. We will keep you posted!

UPCOMING EVENTS

2018 Annual Meeting of the Society for Adolescent Health and Medicine (SAHM). Seattle, March 14-17 2018.

SAVE THE DATE! Journée Adolescence 2018: 'A tes amours! Relations amoureuses et sexualité à l'adolescence'. Lausanne/UNIL, jeudi 7 juin 2018. More information to come.

SAVE THE DATES! **International course: Children and adolescents with chronic illness including a focus on transition from pediatric to adult care.** Lausanne, Switzerland, September 10-12th, 2018

PUBLISHED ARTICLES

A transition checklist

Akre C, Suris JC, Belot A, Couret M, Dang TT, Duquesne A, Fonjallaz B, Georgin-Lavialle S, Larbre JP, Mattar J, Meynard A, Schalm S, Hofer M. **Building a transitional care checklist in rheumatology: a Delphi-like survey.** Joint Bone Spine. 2017 Sep 28. pii: S1297-319X(17)30162-8. doi: 10.1016/j.jbspin.2017.09.003. [Epub ahead of print].

This Delphi-like study defined what themes should be included and at what age they need to be addressed with patients with a chronic rheumatology disease and their families during transition.

Ammann-Reiffer C, Bastiaenen CHG, de Bie RA, van Hedel HJA. **Interrater reliability of two gait performance measures in children with neuromotor disorders across two different settings.** Dev Med Child Neurol. 2017 Nov;59(11):1158-1163. doi: 10.1111/dmcn.13525. Epub 2017 Aug 18.

Ansermot N, Jordanov V, Smogur M, Holzer L, Eap CB. **Psychotropic Drug Prescription in Adolescents: A Retrospective Study in a Swiss Psychiatric University Hospital.** J Child Adolesc Psychopharmacol. 2017 Nov 13. doi: 10.1089/cap.2017.0054. [Epub ahead of print]

Asatryan B, Vital C, Kellerhals C, Medeiros-Domingo A, Gräni C, Trachsel LD, Schmiel CM, Saguner AM, Eser P, Herzig D, Bolliger S, Michaud K, Wilhelm M. **Sports-related sudden cardiac deaths in the young population of Switzerland.** PLoS One. 2017 Mar 28;12(3):e0174434. doi: 10.1371/journal.pone.0174434. eCollection 2017.

Bilke-Hentsch O. **Pathologische Mediennutzung bei Kindern und Jugendlichen – eine Perspektive für die Praxis.** Praxis (Bern 1994). 2017 Jul;106(14):775-779. doi: 10.1024/1661-8157/a002735.

Bolli P, Schädelin S, Holland-Cunz S, Zimmermann P. **Ovarian torsion in children: Development of a predictive score.** Medicine (Baltimore). 2017 Oct;96(43):e8299. doi: 10.1097/MD.00000000000008299.

3

Risk behaviors

Campisi L, Berchtold A, Barrense-Dias Y, Akre C, Gehri M, Suris JC. **Risk behaviours among native and immigrant youths in Switzerland: a cross-sectional study.** Swiss Med Wkly. 2017 Nov 9;147:w14531. doi: 10.4414/smw.2017.14531. eCollection 2017 Nov 9.

The findings of this research expose a lower engagement in risk behaviours among migrants. The migrant status is clearly buffered if other control variables are considered. Thus, it can be affirmed that in the present study, migrants are not a high-risk population or not more at risk than natives. Mixed origin youths showed higher rates of risk behaviours than natives and migrants. Special attention should be given to this specific group, as they may be more vulnerable during adolescence.

The Adolescent Binge Eating Scale

Chamay-Weber C, Combescure C, Lanza L, Carrard I, Haller DM. **Screening Obese Adolescents for Binge Eating Disorder in Primary Care: The Adolescent Binge Eating Scale.** J Pediatr. 2017 Jun;185:68-72.e1. doi: 10.1016/j.jpeds.2017.02.038. Epub 2017 Mar 10.

The aim of this research was to investigate the performance of a simple and developmentally appropriate 10-item questionnaire (Adolescent Binge Eating Scale) for the prediction of binge eating disorder (BED) diagnosis in adolescents seen for obesity. They conclude that the Adolescent Binge Eating Scale

questionnaire is a potential screening tool to identify adolescents with obesity at high risk of BED and guide referral to a specialist to clarify the diagnosis and provide adequate care.

Daley D, Van Der Oord S, Ferrin M, Cortese S, Danckaerts M, Doepfner M, Van den Hoofdakker BJ, Coghill D, Thompson M, Asherson P, Banaschewski T, Brandeis D, Buitelaar J, Dittmann RW, Hollis C, Holtmann M, Konofal E, Lecendreux M, Rothenberger A, Santosh P, Simonoff E, Soutullo C, Steinhausen HC, Stringaris A, Taylor E, Wong ICK, Zuddas A, Sonuga-Barke EJ. **Practitioner Review: Current best practice in the use of parent training and other behavioural interventions in the treatment of children and adolescents with attention deficit hyperactivity disorder.** J Child Psychol Psychiatry. 2017 Oct 30. doi: 10.1111/jcpp.12825. [Epub ahead of print].

Contraception

Diserens C, Quach A, Mathevet P, Ballabeni P, Jacot-Guillarmod M. **Adolescents' contraception continuation in Switzerland: a prospective observational study.** Swiss Med Wkly. 2017 Oct 17;147:w14504. doi: 10.4414/smw.2017.14504. eCollection 2017 Oct 17.

The aim of this study was to determine contraceptive continuation rates among adolescents in Switzerland and assess possible predictive factors for discontinuation. The contraceptive continuation rate was high among the

4

adolescent population studied. The only predictive factor for discontinuation was the contraceptive method. The study also reveals that respecting teenagers' confidentiality is essential as it does not negatively impact the continuation rate. The significant impact of the type of contraception on continuation rates stresses the importance of individualized counselling.

Hansen S, Probst-Hensch N, Bettschart R, Pons M, Leynaert B, Gómez Real F, Rochat T, Dratva J, Schneider C, Keidel D, Schindler C, Zemp E. **Early menarche and new onset of asthma: Results from the SAPALDIA cohort study.** *Maturitas.* 2017 Jul;101:57-63. doi: 10.1016/j.maturitas.2017.04.012. Epub 2017 Apr 23.

The Ready4life Program

Haug S, Paz Castro R, Meyer C, Filler A, Kowatsch T, Schaub MP. **A Mobile Phone-Based Life Skills Training Program for Substance Use Prevention Among Adolescents: Pre-Post Study on the Acceptance and Potential Effectiveness of the Program, Ready4life.** *JMIR Mhealth Uhealth.* 2017 Oct 4;5(10):e143. doi: 10.2196/mhealth.8474.

The aim of this study was to test the acceptance and initial effectiveness of an individually tailored mobile phone-based life skills training program in vocational school students. The results reveal high-level acceptance and promising effectiveness of this interventional approach, which could be easily and economically implemented. A reasonable

next step would be to test the efficacy of this program within a controlled trial.

Haug S, Paz Castro R, Kowatsch T, Filler A, Schaub MP. **Efficacy of a technology-based, integrated smoking cessation and alcohol intervention for smoking cessation in adolescents: Results of a cluster-randomised controlled trial.** *J Subst Abuse Treat.* 2017 Nov;82:55-66. doi: 10.1016/j.jsat.2017.09.008. Epub 2017 Sep 14.

Karremann M, Krämer N, Hoffmann M, Wiese M, Beilken A, Corbacioglu S, Dilloo D, Driever PH, Scheurlen W, Kulozik A, Gielen GH, von Bueren AO, Dürken M, Kramm CM. **Haematological malignancies following temozolomide treatment for paediatric high-grade glioma.** *Eur J Cancer.* 2017 Aug;81:1-8. doi: 10.1016/j.ejca.2017.04.023. Epub 2017 Jun 3.

Koenig J, Brunner R, Schmidt JM, Parzer P, Resch F, Kaess M. **Psychopathology and Borderline Personality Pathology Associated with Lifetime Self-Injurious Behavior in Adolescent Psychiatric Inpatients and Detainees.** *Z Kinder Jugendpsychiatr Psychother.* 2017 Nov;45(6):441-451. doi: 10.1024/1422-4917/a000549. Epub 2017 Oct 27.

Childhood leukaemia

Konstantinoudis G, Kreis C, Ammann RA, Niggli F, Kuehni CE, Spycher BD; Swiss Paediatric Oncology Group and the Swiss National Cohort Study Group. **Spatial clustering of childhood leukaemia in Switzerland: A nationwide study.** *Int J*

Cancer. 2017 Oct 1;141(7):1324-1332. doi: 10.1002/ijc.30832. Epub 2017 Jun 30.

The aetiology of childhood leukaemia remains largely unknown. Several hypotheses involve environmental exposures that could implicate spatial clustering of cases. The evidence from previous clustering studies is inconclusive. This study provides little evidence of spatial clustering of childhood leukaemia in Switzerland and highlights the importance of accounting for multiple testing in clustering studies.

Koppenberg J, Button D, Albrecht R. **Die Versorgung von Schwerstverletzten: von der Unfallstelle bis zur Notaufnahme.** Praxis (Bern 1994). 2017 Jul;106(15):825-828. doi: 10.1024/1661-8157/a002742.

Childhood cancer survivors

Mader L, Roser K, Baenziger J, Tinner EM, Scheinemann K, Kuehni CE, Michel G; Swiss Paediatric Oncology Group (SPOG). **Household income and risk-of-poverty of parents of long-term childhood cancer survivors.** *Pediatr Blood Cancer.* 2017 Aug;64(8). doi: 10.1002/pbc.26456. Epub 2017 Mar 6.

Taking care of children diagnosed with cancer affects parents' professional life and may place the family at risk-of-poverty. The aim of the study was to (i) compare the household income and risk-of-poverty of parents of childhood cancer survivors (CCS) to parents of the general population, and (ii) identify sociodemographic and cancer-related factors associated with risk-of-poverty. Parents of long-term CCS reported lower household income and higher risk-of-

poverty than control parents. Support strategies may be developed to mitigate parents' risk-of-poverty in the long term, particularly among parents with lower education.

Miché M, Hofer PD, Voss C, Meyer AH, Gloster AT, Beesdo-Baum K, Lieb R. **Mental disorders and the risk for the subsequent first suicide attempt: results of a community study on adolescents and young adults.** *Eur Child Adolesc Psychiatry.* 2017 Oct 11. doi: 10.1007/s00787-017-1060-5. [Epub ahead of print].

Determinants of excess weight

Papandreou A, Bopp M, Braun J, Staub K, Faeh D. **Individual development and potential determinants of excess weight in children and adolescents: a longitudinal study.** *Swiss Med Wkly.* 2017 Sep 25;147:w14501. doi: 10.4414/smw.2017.14501. eCollection 2017 Sep 25.

Excess body weight is a major public health concern already at a young age. The aim of this study was to track weight status among pupils aged 6-14 years in the City of Zurich, to examine the association between sociodemographic and environmental factors and excess weight at school entry and excess weight gain thereafter. The authors conclude that overweight/obesity developed prior to school entry and mostly persisted through childhood. In order to better exploit obesity prevention potential, measures to prevent the development of the excess

6

weight need to be implemented at a very early stage in life.

Paz Castro R, Haug S, Filler A, Kowatsch T, Schaub MP. **Engagement Within a Mobile Phone-Based Smoking Cessation Intervention for Adolescents and its Association With Participant Characteristics and Outcomes.** J Med Internet Res. 2017 Nov 1;19(11):e356. doi: 10.2196/jmir.7928.

Pediatric emergency services

Perret S, Gehri M, Pluies J, Rossi I, Akre C. **[Families' experiences and satisfaction with a pediatric emergency service].** Arch Pediatr. 2017 Oct;24(10):960-968. doi: 10.1016/j.arcped.2017.08.006. Epub 2017 Sep 12. French.

Nowadays pediatric emergency services receive a rising number of "non-urgent" cases, which are due to parental anxiety or a miscomprehension of medical explanations. The aim of this study was therefore to understand what those families experience and need when they consult in such cases, in order to respond with adapted solutions. Overall, parents are stressed and anxious when they come to the emergency department and request more reassurance, attention, and explanations from the healthcare staff. The authors propose a final "validation time" to verify that the medical explanations are understood as well as the emotional state of the family as a way to ensure good follow-up care at home, avoid unnecessary readmissions, and promote parental health education.

Riera-Montes M, Bollaerts K, Heininger U, Hens N, Gabutti G, Gil A, Nozad B,

Mirinaviciute G, Flem E, Souverain A, Verstraeten T, Hartwig S. **Estimation of the burden of varicella in Europe before the introduction of universal childhood immunization.** BMC Infect Dis. 2017 May 18;17(1):353. doi: 10.1186/s12879-017-2445-2.

Rueegg CS, Gianinazzi ME, Michel G, Zwahlen M, von der Weid NX, Kuehni CE; and the Swiss Paediatric Oncology Group (SPOG). **No evidence of response bias in a population-based childhood cancer survivor questionnaire survey - Results from the Swiss Childhood Cancer Survivor Study.** PLoS One. 2017 May 2;12(5):e0176442. doi: 10.1371/journal.pone.0176442. eCollection 2017.

Saloustros E, Stark DP, Michailidou K, Mountzios G, Brugieres L, Peccatori FA, Jezdic S, Essiaf S, Douillard JY, Bielack S. **The care of adolescents and young adults with cancer: results of the ESMO/SIOPE survey.** ESMO Open. 2017 Sep 8;2(4):e000252. doi: 10.1136/esmooopen-2017-000252. eCollection 2017.

Von Wyl A, Toggweiler S, Zollinger R. **HoNOSCA-D As a Measure of the Severity of Diagnosed Mental Disorders in Children and Adolescents-Psychometric Properties of the German Translation.** Front Psychiatry. 2017 Sep 28;8:186. doi: 10.3389/fpsy.2017.00186. eCollection 2017.

HPV vaccine uptake

Wymann MN, Zographos AS, Altpeter E, Spicher VM, Low N, Mäusezahl-Feuz M. **Human papillomavirus vaccine uptake in adolescence and adherence to cervical**

7

cancer screening in Switzerland: a national cross-sectional survey. Int J Public Health. 2017 Nov 6. doi: 10.1007/s00038-017-1050-x. [Epub ahead of print]

The objectives were to measure uptake of and factors associated with human papillomavirus (HPV) vaccination initiation and to determine whether HPV vaccination reduced the uptake of cervical cancer screening. The data suggest that HPV vaccination is not associated with reduced uptake of cervical cancer screening. This study provides information that can be used to improve HPV vaccination uptake in Switzerland.

Zuffianò A, Colasante T, Buchmann M, Malti T. **The Codevelopment of Sympathy and Overt Aggression From Middle Childhood to Early Adolescence.** Dev Psychol. 2017 Sep 21. doi: 10.1037/dev0000417. [Epub ahead of print].



Happy holidays and don't forget to visit our [website!](http://www.lesados.ch)