General PWS and Families

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| Transcutaneous auricular vagus nerve stimulators: a review of past, present and future devices. | Lei Wang, Yu Wang, Yifei Wang, Fang Wang, Jinling Zhang, Shaoyuan Li, Mozheng Wu, Liang Li, Peijing Rong. |
| 'The cure for us is a lot of things': How young people with Prader-Willi syndrome view themselves and future clinical trials | Elisabeth M Dykens, Elizabeth Roof, Hailee Hunt-Hawkins                 |
| Targeting the Gut Microbiome in Prader-Willi Syndrome               | Marta Ramon-Krauel, Montse Amat-Bou, Mercedes Serrano, Antonio F Martinez-Monseny, Carles Lin. |
| A Quality Improvement Project to Implement Choking Prevention and First Aid Education in Prader-Willi Syndrome Caregivers | Kathryn S Obrynba, Kathryn Anglin, Amy Moffett, Tracie Steinke, Mamrnon K Kamboj. |
| The impact of age and genetics on naltrexone biotransformation      | Stephani L Stancil, Whitney Nolte, Robin E Pearce, Vincent S Staggs PhD, J Steven Leeder. |
| Cardiac rhabdomyoma as a possible new prenatal sonographic feature of Prader-Willi syndrome | Kuntharee Traisrisilp, Panarat Sirikunalai, Sirinart Sirilert, Takol Chareonsirisuthigul, Theera Tongsong. |
| Anti-Obesity Medication Use in Children and Adolescents with Prader-Willi Syndrome: Case Review and Literature Search | Victoria E Goldman, Monica N Naguib, Alaina P Vidmar |

Genetics and Brain Imaging

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| Phylogenetic and Molecular Analyses Identify SNORD116 Targets Involved in the Prader-Willi Syndrome | Laeya Baldini, Anne Robert, Bruno Charpentier, Stéphane Labialle          |
| Deficiency of the paternally inherited gene Magel2 alters the development of separation- | Gabriela M Bosque Ortiz, Gustavo M Santana, Marcelo O Dietrich          |
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| induced vocalization and maternal behavior in mice                   | Maximilian Deest, Vanessa Buchholz, Kirsten Jahn, Christian Eberlein, Stefan Bleich, Helge Frieling. |
| Hypomethylation of monoamine oxidase A promoter/exon 1 region is associated with temper outbursts in Prader-Willi syndrome | Hoi Yi Leung, Martin Ho Yin Yeung, Wai Tung Leung, King Hin Wong, Wai Yan Tang, William Chi Shing Cho, Heong Ting Wong, Hin Fung Tsang, Yin Kwan Evelyn Wong, Xiao Meng Pei, Hennie Yuk Lin Cheng, Amanda Kit Ching Chan, Sze Chuen Cesar Wong |
| The current and future applications of in situ hybridization technologies in anatomical pathology | Hoi Yi Leung, Martin Ho Yin Yeung, Wai Tung Leung, King Hin Wong, Wai Yan Tang, William Chi Shing Cho, Heong Ting Wong, Hin Fung Tsang, Yin Kwan Evelyn Wong, Xiao Meng Pei, Hennie Yuk Lin Cheng, Amanda Kit Ching Chan, Sze Chuen Cesar Wong |
| Molecular Changes in Prader-Willi Syndrome Neurons Reveals Clues About Increased Autism Susceptibility | A Kaitlyn Victor, Martin Donaldson, Daniel Johnson, Winston Miller, Lawrence T Reiter. |
| Food-Related Brain Activation Measured by fMRI in Adults with Prader-Willi Syndrome | Ingrid Caroline van Nieuwpoort, Tessa N A Slagboom, Sigridur Jakobsdóttir, Jan Berend Deijen, Dick J Veltman, Leopold M G Curfs, Madeleine L Drent. |
| The Role of Long Non-coding RNAs in Human Imprinting Disorders: Prospective Therapeutic Targets | Tingxuan Wang, Jianjian Li, Liuyi Yang, Manyin Wu, Qing Ma. |
| The Role of Long Non-coding RNAs in Human Imprinting Disorders: Prospective Therapeutic Targets | Tingxuan Wang, Jianjian Li, Liuyi Yang, Manyin Wu, Qing Ma. |
| Arcuate Nucleus Overexpression of NHLH2 Reduces Body Mass and Attenuates Obesity-Associated Anxiety/Depression-like Behavior | Rodrigo S Carraro, Guilherme A Nogueira, Davi Sidarta-Oliveira, Rodrigo S Gaspar, Nathalia R Dragano, Joseane Morari, Vanessa C D Bobbo, Eliana P Araujo, Natalia F Mendes, Ariane M Zanesco, Natalia Tobar, Celso D Ramos, Jéssica M Toscaro, Marcio C Bajgelman, Licio A Velloso. |
| A rare familial rearrangement of chromosomes 9 and 15 associated with | Natalya A Lemskaya, Svetlana A Romanenko, Mariia A Rezakova, Elena A Filimonova, Dmitry Yu Prokopov, |
**intellectual disability: a clinical and molecular study**

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### Endocrine including GH

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| **Metagenome-Scale Metabolic Network Suggests Folate Produced by Bifidobacterium longum Might Contribute to High-Fiber-Diet-Induced Weight Loss in a Prader-Willi Syndrome Child** | Baoyu Xiang, Liping Zhao, Menghui Zhang. |
| **Hypogonadism in Women with Prader-Willi Syndrome-Clinical Recommendations Based on a Dutch Cohort Study, Review of the Literature and an International Expert Panel Discussion** | Karlijn Pellikaan, Yassine Ben Brahim, Anja G W Rosenberg, Kirsten Davidse, Christine Poitou, Muriel Coupaye, Anthony P Goldstone, Charlotte Høybye, Tania P Markovic, Graziano Grugni, Antonino Crinò, Assumpta Caixàs, Talia Eldar-Geva, Harry J Hirsch, Varda GrossTsur, Merlin G Butler, Jennifer L Miller, Paul Hugo M van der Kuy, Sjoerd A A van den Berg, Jenny A Visser, Aart J van der Lely, Laura C G de Graaff. |
| **Parameters of Glucose Homeostasis in the Recognition of the Metabolic Syndrome in Young Adults with Prader-Willi Syndrome** | Graziano Grugni, Antonio Fanolla, Fiorenzo Lupi, Silvia Longhi, Antonella Saezza, Alessandro Sartorio, Giorgio Radetti. |
| **Diabetes Mellitus in Prader-Willi Syndrome: Natural History during the Transition from Childhood to Adulthood in a Cohort of 39 Patients** | Alice Clerc, Muriel Coupaye, Hélène Mosbah, Graziella Pinto, Virginie Laurier, Fabien Mourre, Christine Merrien, Gwenaëlle Diene, Christine Poitou, Maithé Tauber. |
| **Psychiatric behavioral effect and characteristics of type 2 diabetes mellitus on Japanese patients with Prader-Willi syndrome: a preliminary retrospective study** | Yuji Oto, Nobuyuki Murakami, Takeshi Inoue, Keiko Matusbara, Sohei Saima, Hiroyuki Ogata, Hiroshi Ihara, Toshiro Nagai, Tomoyo Matusbara. |
| Hunger and Satiety Peptides: Is There a Pattern to Classify Patients with Prader-Willi Syndrome? | Marta Bueno, Ester Boixadera-Planas, Laura Blanco-Hinojo, Susanna Esteba-Castillo, Olga Giménez-Palop, David Torrents-Rodas, Jesús Pujol, Raquel Corripio, Joan Deus, Assumpta Caixàs |
| Circulating insulin-like growth factor 1 levels are reduced in very young children with Prader-Willi syndrome independent of anthropometric parameters and nutritional status | Mikiko Koizumi, Ayako Konishi, Yuri Etani, Shinobu Ida, Masanobu Kawai |
| Hypogonadism in Adult Males with Prader-Willi Syndrome—Clinical Recommendations Based on a Dutch Cohort Study, Review of the Literature and an International Expert Panel Discussion | Karlijn Pellikaan, Yassine Ben Brahim, Anna G W Rosenberg, Kirsten Davidse, Christine Poitou, Muriel Coupaye, Anthony P Goldstone, Charlotte Høybye, Tania P Markovic, Graziano Grugni, Antonino Crinò, Assumpta Caixàs, Talia Eldar-Geva, Harry J Hirsch, Varda Gross-Tsur, Merlin G Butler, Jennifer L Miller, Sjoerd A A van den Berg, Aart J van der Lely, Laura C G de Graaff |
| Approach to the patient: Safety of Growth Hormone Replacement in Children and Adolescents | Vaneeta Bamba, Roopa Kanakatti Shankar |
| Management of Short Stature: Use of Growth Hormone in GH-Deficient and non-GH-Deficient Conditions | Varuna Vyas, Ram K Menon |

Sensory and physical

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| Respiratory failure after scoliosis correction surgery in patients with Prader-Willi syndrome: Two case reports | Ju-Yul Yoon, Sung-Hee Park, Yu Hui Won |
| Sleep-disordered breathing in school-aged children with Prader-Willi Syndrome | Jennifer Schaefer, Margot J Davey, Gillian M Nixon |
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| N-Acetylcysteine provides limited efficacy as treatment option for skin picking in Prader-Willi syndrome | Jelte Wieting, Maximilian Deest, Stefan Bleich, Helge Frieling, Christian Eberlein. |
| The consequences of hyperphagia in people with Prader-Willi Syndrome: A systematic review of studies of morbidity and mortality | S A Bellis, I Kuhn, S Adams, L Mullarkey, A Holland. |
| Subtle Cardiovascular Abnormalities in Prader-Willi Syndrome Might Begin in Young Adulthood | Sayuki Kobayashi, Nobuyuki Murakami, Yuji Oto, Hiroyuki Toide, Noriko Kimura, Akiko Hayashi, Ayako Higashi, Syu Inami, Jun Tanaka, Yuri Koshikawa, Yukiko Mizutani, Shiro Nakahara, Tetsuya Ishikawa, Yoshiihiko Sakai, Isao Taguchi |
| Tailored management of life-threatening complications related to severe obesity in a young adult with Prader-Willi syndrome | Min-Sun Kim, Jiyeon Kim, Joongbum Cho, Sung Yoon Cho, Dong-Kyu Jin. |

Behaviors

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| Understanding the psycho-social context for a new early intervention for resistance to change that aims to strike a beneficial balance between structure and flexibility | Siobhan Blackwell, Alex Zylberberg, Gaia Scerif, Sarah Miller, Kate A Woodcock. |
| Effects of COVID-19 Lockdown on Weight, Body Composition, and Behavior of Children, Adolescents, and Young Adults with Prader-Willi Syndrome | Andrea Karoline Mohr, Constanze Laemmer, Sandra Schulte, Bettina Gohlke. |
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| An adapted scale to evaluate insight in Prader-Willi Syndrome       | Jesus Cobo, Ramón Coronas, Esther Pousa, Joan-Carles Oliva, Olga Giménez-Palop, Assumpta Caixàs. |
| Suicidality and Self-Harming Behaviors in Patients with Prader-Willi Syndrome (PWS): Case Report and Literature Review | Val Bellman, Zargham Abbass, Ramsa Sohail, Syed Jafri.                  |