

## Accepted Manuscript

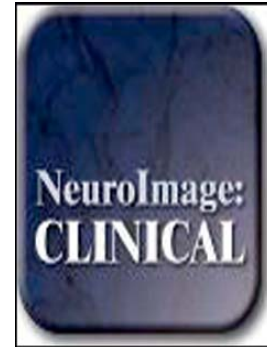
Brain connectivity aberrations in anabolic-androgenic steroid users

Lars T. Westlye, Tobias Kaufmann, Dag Alnæs, Ingunn R. Hullstein, Astrid Bjørnebekk

PII: S2213-1582(16)30222-4  
DOI: doi: [10.1016/j.nicl.2016.11.014](https://doi.org/10.1016/j.nicl.2016.11.014)  
Reference: YNICKL 865

To appear in: *NeuroImage: Clinical*

Received date: 20 September 2016  
Revised date: 13 November 2016  
Accepted date: 16 November 2016



Please cite this article as: Westlye, Lars T., Kaufmann, Tobias, Alnæs, Dag, Hullstein, Ingunn R., Bjørnebekk, Astrid, Brain connectivity aberrations in anabolic-androgenic steroid users, *NeuroImage: Clinical* (2016), doi: [10.1016/j.nicl.2016.11.014](https://doi.org/10.1016/j.nicl.2016.11.014)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Title: Brain connectivity aberrations in anabolic-androgenic steroid users

Short title: Brain connectivity in AAS users

Authors: Lars T. Westlye<sup>1,2\*</sup>, Tobias Kaufmann<sup>1</sup>, Dag Alnæs<sup>1</sup>, Ingunn R. Hullstein<sup>3</sup>,  
Astrid Bjørnebekk<sup>4</sup>

<sup>1</sup> *NORMENT, KG Jebsen Centre for Psychosis Research, Division of Mental Health and Addiction, Oslo University Hospital & Institute of Clinical Medicine, University of Oslo, Norway*

<sup>2</sup> *Department of Psychology, University of Oslo, Norway*

<sup>3</sup> *Norwegian Doping Control Laboratory, Oslo University Hospital, Norway*

<sup>4</sup> *Division of Mental Health and Addiction, Department on Substance Use Disorder Treatment, Norwegian National Advisory Unit on Substance Use Disorder Treatment, Oslo University Hospital, Norway*

\* Corresponding author: Lars T. Westlye, Ph.D.

Email: l.t.westlye@psykologi.uio.no, postal address: Oslo University Hospital, PoBox 4956 Nydalen, 0424 OSLO, Norway, phone: +47 23 02 73 50, Fax: +47 23 02 73 33

Keywords (six): anabolic-androgenic steroids (AAS), fMRI, amygdala, functional connectivity, default-mode network, dependency

Word count abstract: 197 | article body: 3984

Number of Figures 3 | Tables: 1 | Supplemental information: 1 document

متن کامل مقاله

دریافت فوری ←

**ISI**Articles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات