Daily consumption of sweets, cakes and unhealthy foods associated with acne, new study reveals

(MADRID, 12 October, 2019) Poor dietary habits, increased stress and harsh skincare routines are among the most significant factors associated with acne, a new study has found.

The research presented today at the 28th EADV Congress in Madrid, evaluated the exposure to different worsening factors on acne more than 6,700 participants across six countries in North America, South America and Europe. It is the first research of its kind, analysing both external and internal factors that can influence acne.

The results of the study showed that significantly more (P<0.001) individuals with acne (48.2%) consume dairy products on a daily basis compared to individuals who did not (38.8%). The difference was also statistically significant (all p<0.001) for soda juices or syrups (35.6% vs 31%), pastries and chocolate (37% vs 27.8%) and sweets (29.7% vs 19.1%). Surprisingly 11% of acne sufferers consume whey proteins versus 7% without acne, and 11.9% of acne sufferers consume anabolic steroids versus 3.2% without acne.

<table>
<thead>
<tr>
<th>Factor</th>
<th>Percentage (%)</th>
<th>95% CI</th>
<th>p-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption of whey proteins</td>
<td>11.00</td>
<td>[7.28, 14.72]</td>
<td>&lt;0.0001</td>
</tr>
<tr>
<td>Nibbling: Frequently and regularly</td>
<td>43.30</td>
<td>[39.40, 47.20]</td>
<td>&lt;0.0001</td>
</tr>
<tr>
<td>Consumption of sweets</td>
<td>19.30</td>
<td>[16.42, 22.18]</td>
<td>&lt;0.0001</td>
</tr>
<tr>
<td>Consumption of chocolate</td>
<td>27.60</td>
<td>[24.42, 30.78]</td>
<td>&lt;0.0001</td>
</tr>
<tr>
<td>Consumption of pastry</td>
<td>16.00</td>
<td>[13.42, 18.58]</td>
<td>&lt;0.0001</td>
</tr>
<tr>
<td>Consumption of soda juices or syrups</td>
<td>41.50</td>
<td>[37.42, 45.58]</td>
<td>&lt;0.0001</td>
</tr>
<tr>
<td>Daily consumption of dairy products</td>
<td>44.20</td>
<td>[40.18, 48.22]</td>
<td>&lt;0.0001</td>
</tr>
</tbody>
</table>
Commenting on the findings, lead researcher Professor Brigitte Dréno conducting the research on behalf of Vichy Laboratories states: “Acne is one of the most common reasons why people with skin issues contact a dermatologist. Its severity and response to treatment may be influenced by internal and external factors, which we call the exposome. For the first time, this study allows us to identify the most important exposome factors relating to acne from patient questioning prior to any treatment prescription.”

Exposure to pollution or to stress were also more frequently observed in participants with acne compared to control participants. The research also found that harsh skincare practices were more common in acne sufferers.

Conversely, tobacco, which has previously been showed as a potential acne trigger, was not shown to have an influence.

Acne is estimated to affect one in 10 people globally, making it the eighth most prevalent disease worldwide. It has been recently reported that acne affects also up to 40% of adult females.

Due to its visible nature, acne has a significant psychological impact on patient’s quality of life and self-esteem. Sufferers have been shown to have higher levels of anxiety than the general population, feel socially isolated and have a lower chance of being selected for employment.

Looking to the future, Professor Dréno adds, “Understanding, identifying and reducing the impact of exposome is important for an adequate acne disease management as it may impact on the course and severity of acne as well as on treatment efficacy”.

ENDS

Notes to Editors

A reference to the 28th EADV Congress must be included when communicating any information within this press release.

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About Professor Brigitte Dréno:
Professor Brigitte Dréno is from the Chu Nantes Department of Onco-Dermatology, Nantes, France.

Vichy Laboratories:
As an established skincare expert, Vichy Laboratories is committed to achieving excellence in understanding human skin health and has supported this research on exposome and acne.

About EADV:
Founded in 1987, EADV is a non-profit organisation whose vision is to be the premier European Dermato-Venereology Society. The Academy counts over 7,000 members from 100 countries, providing a valuable service for every type of dermato-venereologist professional. EADV are dedicated to advancing patient care, education and research by providing a unique platform to bring people together and share ideas.

The EADV Congress takes place every year and attracts over 13,000 attendees. Boasting an exceptional Scientific Programme and educational experience with more than 180 sessions across various tracks, expert speakers will discuss the latest advances and information on trending topics in dermatology.

Find out more via the EADV website: https://www.eadv.org/

References: