



Legally Tan Skin Cancer, Tanning & the Law

Melanoma Research Symposium

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Objectives

- Review concept of ultraviolet (UV) light
- Provide link between indoor tanning and skin cancer
- Examine who is using tanning beds in the United States
- Discuss tanning legislation on a state and national level

Disclosures & Acknowledgements

- Disclosures
 - Provided testimony to State Legislature in favor of tanning legislation in Ohio
- Acknowledgments
 - American Academy of Dermatology
 - Skin Cancer Foundation
 - Jeffrey Smith, JD

What types of ultraviolet (UV) light are known to cause skin cancer?

- A. UVA
- B. UVB
- C. UVC
- D. UVA & UVB

D. UVA & UVB

UVA and UVB

UVB Rays

- Intensity varies by season, location, and time of day
- Do not significantly penetrate glass
- Penetrate the epidermis
- Cause skin reddening and sunburn, skin cancer
- Emitted by tanning beds

UVA Rays

- Relative same intensity year round and time of day
- Penetrate clouds and glass
- Penetrate the dermis
- Causes tanning, wrinkling, aging and skin cancer
- Emitted by tanning beds

International Agency for Research on Cancer (IARC)

- Performed review and concluded
 - An association between indoor tanning and two types of skin cancer: SCC and BCC
 - An association between UV-emitting tanning devices and ocular melanoma
 - Both UVA and UVB rays causing DNA damage, which can lead to skin cancer in laboratory animals and humans
 - Risk of melanoma of the skin increasing by 75% when tanning bed use started before age 35

Tanning Beds & Melanoma

- People who first use a tanning bed before age 35 increase their risk for melanoma by 75%
- Studies have found a 59% increase in the risk of melanoma in those who have used indoor tanning, and the risk increases with each use
- Of melanoma cases among 18-to-29-year-olds who had tanned indoors, 76% were attributable to tanning bed use

Tanning Beds & NMSC

- More than 170,000 cases of NMSC in the US each year are associated with indoor tanning
- One indoor UV tanning session increases users' risk of developing SCC by 67% and BCC by 29%

How many people use a tanning bed on a daily basis in the US?

- A. 100,000
- B. 250,000
- C. 500,000
- D. >1 million

D. More than 1 million

Who Tans in the US?

- Nearly 30 million people tan indoors in the United States annually
 - Of these, 2.3 million are teens
- 35% American adults, 59% of college students, and 17% of teens have reported using a tanning bed in their lifetime
- Nearly 70% of tanning salon patrons are Caucasian girls and women, primarily aged 16 to 29 years

UV Light & Tanning Devices

- Indoor tanning devices emit UVA and UVB radiation
- Amount of the radiation produced during indoor tanning is similar to the sun, and in some cases might be stronger

True or False?

Tanning beds are regulated
by the FDA.

True!

- Currently, tanning beds have a Class I designation
- May 6, 2013, the U.S. Food and Drug Administration issued a proposed order for stricter regulations on indoor tanning devices
 - A strong recommendation against the use of tanning beds by minors under 18
 - The reclassification of indoor tanning devices from a Class I to a Class II medical device
 - Labeling that states the risk of skin cancer to all users

True or False?

Ohio has a law which bans tanning for those under the age of 18.

False!

- Tanning in Ohio
 - Tanning for minors under age is permitted with signed parental consent
- HB 131 and SB 113
 - Proposed legislation would ban tanning for those under age 18
 - May allow for tanning with a physician prescription

Ohio Compromise

- Parental presence at every tanning session for anyone under 16
- Parental presence for a 16 and 17 year old at the initial visit.
 - The parental consent for that visit and future visits would expire after one week.
- Develop a uniform parental consent form that explains the risks and consequences of indoor tanning beds
- Penalty provisions
- Permit Board of Cosmetology to regulate spray tanning and red light beds

True or False?

California was the first state to ban indoor tanning for those under 18 years of age.

True!

- 2011 California was the first state to ban tanning for those under age
- 2012 Vermont joined California
- Illinois instituted ordinances prohibiting minors under the age of 18 from indoor tanning in Springfield and Chicago
- 2013 New Jersey passed a law banning minors under the age of 17 from using an indoor tanning advice

Other States Join In

- Connecticut passed a law prohibiting minors under the age of 17 from using tanning devices
- Oregon and Washington state passed laws prohibiting minors under the age of 18 years old from using indoor tanning devices, unless a prescription is provided
- 2013, Illinois, Nevada and Texas passed laws banning minors under age 18 from using indoor tanning devices

Summary

- UV light is a carcinogen.
- The use of indoor tanning devices has been linked to skin cancer.
- Several states have enacted legislation prohibiting minors from tanning.
- You can help support tanning regulations to Ohio.

Questions?

