

FHAME

Applying family history to personalized medicine

Skin Cancer

Any of the following family and personal history risk factors significantly (**10x risk of general population**) increase lifetime skin cancer risk:

- Personal history of skin cancer
- Two (2) or more first-degree relatives with melanoma
- On immunosuppressive therapy after organ transplantation
- More than 100 nevi
- Radiation therapy for cancer as a child



Management

- Total body skin examination by dermatologist or trained health care provider on yearly basis
- Counsel about skin self-examination and skin cancer prevention

References

Cancer Care Ontario

Wernli KJ, Henrikson NB, Morrison CC, Nguyen M, Pocobelli G, Blasi PR. Screening for skin cancer in adults updated evidence report and systematic review for the US Preventive Services Task Force. (2016). *JAMA*. 316(4):436-447. Retrieved from: <https://jamanetwork.com/journals/jama/fullarticle/2536642>.

Resource

MiiSkin App <https://www.canadianskincancerfoundation.com/prevention/miiskin-app/>

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Skin Cancer

Two (2) or more of the following family and personal history risk factors greatly (**5x risk of general population**) increase lifetime skin cancer risk:

- A first-degree relative with melanoma
- 50-100 nevi
- One (1) or more dysplastic nevi
- Red or blond hair
- Tendency to freckle
- Skin that burns easily and tans poorly or not at all



Management

- Counsel about skin self-examination and skin cancer prevention
- See 1/year by health care provider trained in screening for skin cancers

References

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Wernli KJ, Henrikson NB, Morrison CC, Nguyen M, Pocobelli G, Blasi PR. Screening for skin cancer in adults updated evidence report and systematic review for the US Preventive Services Task Force. (2016). *JAMA*. 316(4):436-447. Retrieved from: <https://jamanetwork.com/journals/jama/fullarticle/2536642>.

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