**Skin Cancer:**

* Affects 1 in 5 Americans
* Caused by UV damage to DNA

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| Type | Class Notes | My Notes |
| Basal cell carcinoma | Least malignant, most common (80% skin cancers)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Sun-exposed areas of faceShiny, dome-shaped nodules\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; rarely metastasizes (spreads)Removal by surgery (99% cases) |  |
| Squamous cell carcinoma | 2nd most commonKeratinocytes of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Scaly, reddened bumpGrows rapidly and can metastasize if not removedRemoval by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Melanoma | Most dangerousHighly metastatic, resistant to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_1/3 from moles (spreading brown→black patch)Key = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!!!Surgery + immunotherapy |  |

 A B C D E



**Burns:**

Tissue damage caused by \_\_\_\_\_\_\_\_\_\_\_\_\_\_, electricity, radiation, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Main threat: loss of fluids (dehydration, electrolyte imbalance)
* Kidney failure, circulatory shock
* Treatment: replace fluids via IV

Rule of Nines: estimating extent of burns

* Divide body into \_\_\_\_\_\_\_\_\_\_\_ areas
* Each part is 9% of total body area + 1% genital region

Critical burns

* >25% of body with 2nd degree burns
* >10% of body with \_\_\_\_\_\_\_\_\_\_ degree burns
* 3rd degree burns on face, hands, feet
* Face: swelling of respiratory passages → suffocation
* Joints: scar tissue formation limits \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **First Degree:** only epidermis damaged → swelling, redness, pain (\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | **Second Degree:** injure epidermis & upper dermis → \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; blisters | **Third Degree:** entire thickness of skin, destroy nerve endings (no pain) → \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| https://agentkdotorg.files.wordpress.com/2014/10/sunburnt-shoulders.jpg | http://files.www.fastmed.com/health-resources/related-searches/Glue-2nd-degree-burn-process-s400x300.jpg | https://s-media-cache-ak0.pinimg.com/736x/53/1d/31/531d312236f2539cac2d07c3b84338cb.jpg |