Annotation Guide – 2024 – Group I

<https://dermoscopedia.org/ABCD_rule>

**Asymmetry:**

To check for asymmetry, cut the lesion in half and check whether the two halves are the same shape.

After cutting the image, if asymmetry is absent, the asymmetry score is 0. If there is asymmetry on only one axis, the score is 1. Asymmetry in both axes would give 2 points.

Example:

A brown and white blot

Description automatically generated

A black and white image of a map

Description automatically generated

**Border:**

Either the border is evenly/smoothly round or not. If it is, 0 points, if it is irregular, 1 point.

A brown circle with black lines

Description automatically generated

**Color:**

There are 6 important colors: White, red, light brown, dark brown, blue-gray and black.

“*Brown, black, blue-gray colors correspond with melanin distribution, white color corresponds with regression and red color reflects the degree of inflammation or neovascularization. The color white is considered to be present only if the area in question is lighter (whiter) in color than the adjacent color of normal skin. The values for the color score range from 1 to 6.*”

A blurry image of a palette

Description automatically generated

5 EXAMPLE PICTURES:

A close up of a skin cancer

Description automatically generated

Asymmetry: 0 (symmetric)

Border (evenness): 0 (even border)

Color: 3

White, red, light brown, dark brown, blue-gray and black

2:

A red blister on a person's skin

Description automatically generated

Asymmetry: 1 (1-axis asymmetric)

Border (evenness): 0 (even border)

Color: 3

White, red, light brown, dark brown, blue-gray and black

3:

A close up of a skin with bubbles

Description automatically generated

Asymmetry: 1

Border (evenness): 1

Color: 2

White, red, light brown, dark brown, blue-gray and black

4:

A close up of a person's face with a few bumps

Description automatically generated

Asymmetry: 2

Border (evenness): 0

Color: 4

White, red, light brown, dark brown, blue-gray and black

5:

A close up of a skin with a dark spot

Description automatically generated

Asymmetry: 2

Border (evenness): 1

Color: 3

White, red, light brown, dark brown, blue-gray and black

(OPTIONAL FOR NOW) **Dermoscopic structures:**

This is complicated, but basically we have five structures to look for: structureless areas, pigment network, branched streaks (atypical network), dots and globules

A diagram of a network

Description automatically generated

General guide:

A close-up of a disease

Description automatically generated

Atypical pigment network:

A brown circle with black spots

Description automatically generated with medium confidence

Blue-white Veil:

A close-up of a dark circle

Description automatically generated

Atypical vascular pattern:

A pink and purple oval with black spots

Description automatically generated with medium confidence

Irregular streaks:

A close-up of a black spot

Description automatically generated

Irregular dots/globules:

A close-up of a black circle

Description automatically generated

Irregular blotches:

A close up of a person's face

Description automatically generated

Regression structures:

A close-up of a white area

Description automatically generated

ANNOTATION GUIDE of our 5:

**1:**

A close up of a skin cancer

Description automatically generated

Atypical pigment network: No/Not Present

Blue-white Veil: Yes/Present

Atypical vascular pattern: Maybe?

Irregular streaks: No/Not Present

Irregular dots/globules: Yes/Present

Irregular blotches: No/Not Present

Regression structures: Yes/Present

**2:**

Atypical pigment network:

Blue-white Veil:

Atypical vascular pattern:

Irregular streaks:

Irregular dots/globules:

Irregular blotches:

Regression structures:

**3:**

Atypical pigment network:

Blue-white Veil:

Atypical vascular pattern:

Irregular streaks:

Irregular dots/globules:

Irregular blotches:

Regression structures:

**4:**

Atypical pigment network:

Blue-white Veil:

Atypical vascular pattern:

Irregular streaks:

Irregular dots/globules:

Irregular blotches:

Regression structures:

**5:**

Atypical pigment network:

Blue-white Veil:

Atypical vascular pattern:

Irregular streaks:

Irregular dots/globules:

Irregular blotches:

Regression structures: