DISORDERS OF HYPERMELANOSIS

- Melasma
- Freckles
- Lentigenes

Etiology of Hypermelanosis

Genetically determined

i.e.↑ no. of melanocytes in skin eg. naevi

Acquired

i.e. ↑sed melanogenesis

triggered by UVR

Hormones

Chemicals

Others

-Vit. A deficiency

-Chronic infections

-Anaemia

-Malnutrition/pellagra

Systemic disorders

Drugs –Phenothiazine

-Chlorpromazine

-Arsenic

MELASMA

More common in female patient

Appears during pregnancy

Patients on OCP

Males also affected

Clinically

- Light to dark brown pigmentation
- Upper lip, cheeks, chin, forehead

rown macular pigmentation with well defined margins occurring symmetrically

- Pigmentation increases on sun exposure

Treatment

- Photoprotection

  Hydroquinones

- etinoids
- Topical corticosteroids
- Alpha hydroxy acid
- Azaleac acid

TANNING

Increased melanin pigmentation of human skin following sun exposure

Immediate Pigment Darkening

UVA light can be induced within few minutes

-Maximum within 1-2 hours

-Slowly decreases between 3-24 hours

Delayed Pigment Darkening

Occurs after 48 – 72 hours of exposure

Clinical types of hypermelanosis

-Freckles

-Lentigenes

-Post inflammatory

Ephelides (Freckles)

Autosomal dominant

Pathology - No increase in no. of melanocytes pigmented layer but their melanosomes are long /rod shaped like those in dark skinned people

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Clinically

Appear at about 5 years of age

Light brown,pigmented macules on light exposed skin

Increased in depth of pigmentation during summer/sunlight

Treatment

- Depigmenting agents
- Sunscreens

Difference in ethnic groups

Amt. & arrangement of melanosomes in melanocytes

Lentigenes

- Benign pigmented macules
  (darker/larger than freckles)
- Different sites

Post inflammatory

After acute/chronic infection

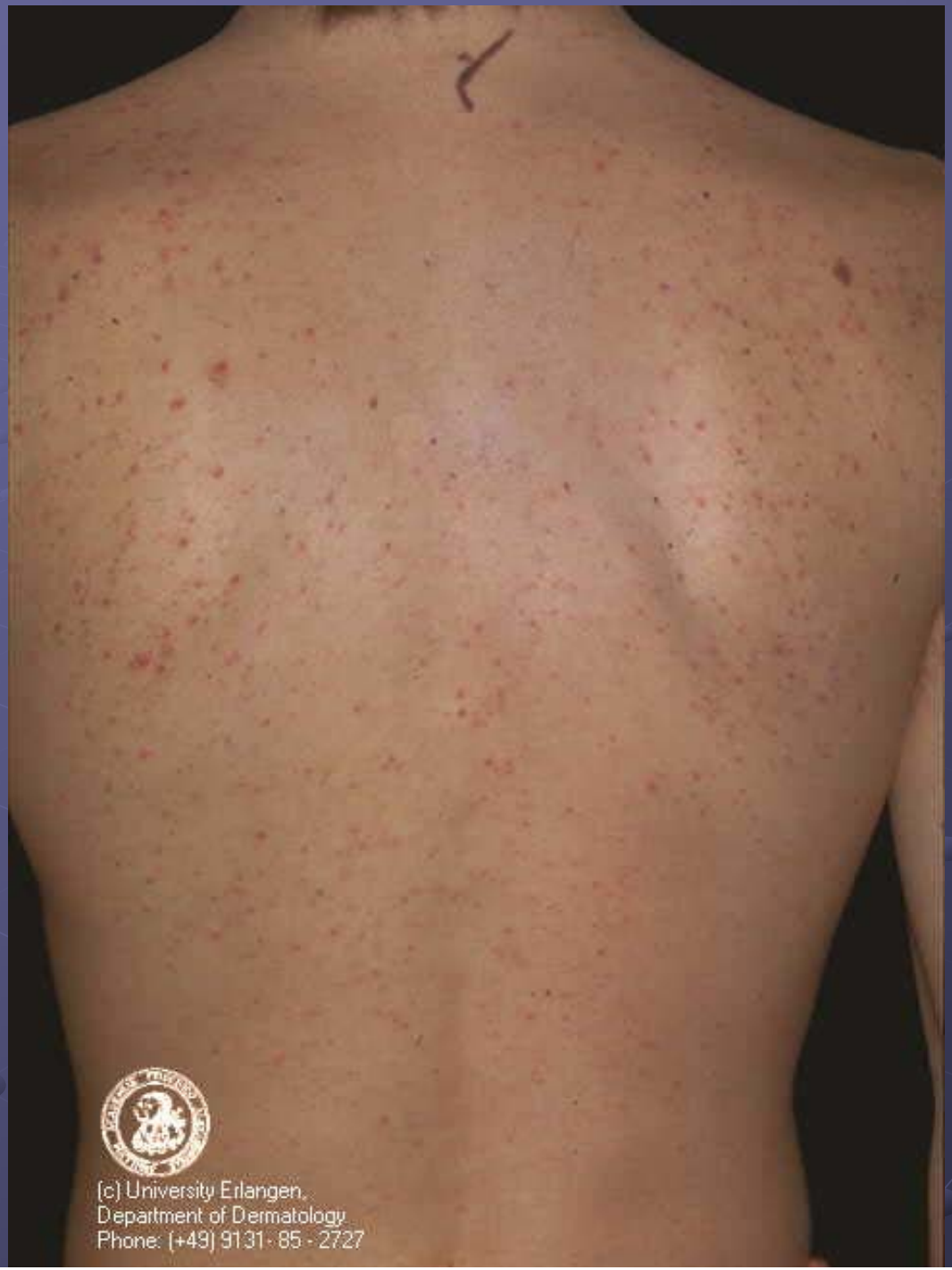
Following trauma

Sun exposure

Even preceding illness may be absent

Skin conditions responsible:

- Eczema
- Lichen planus, amyloidosis
- Tumours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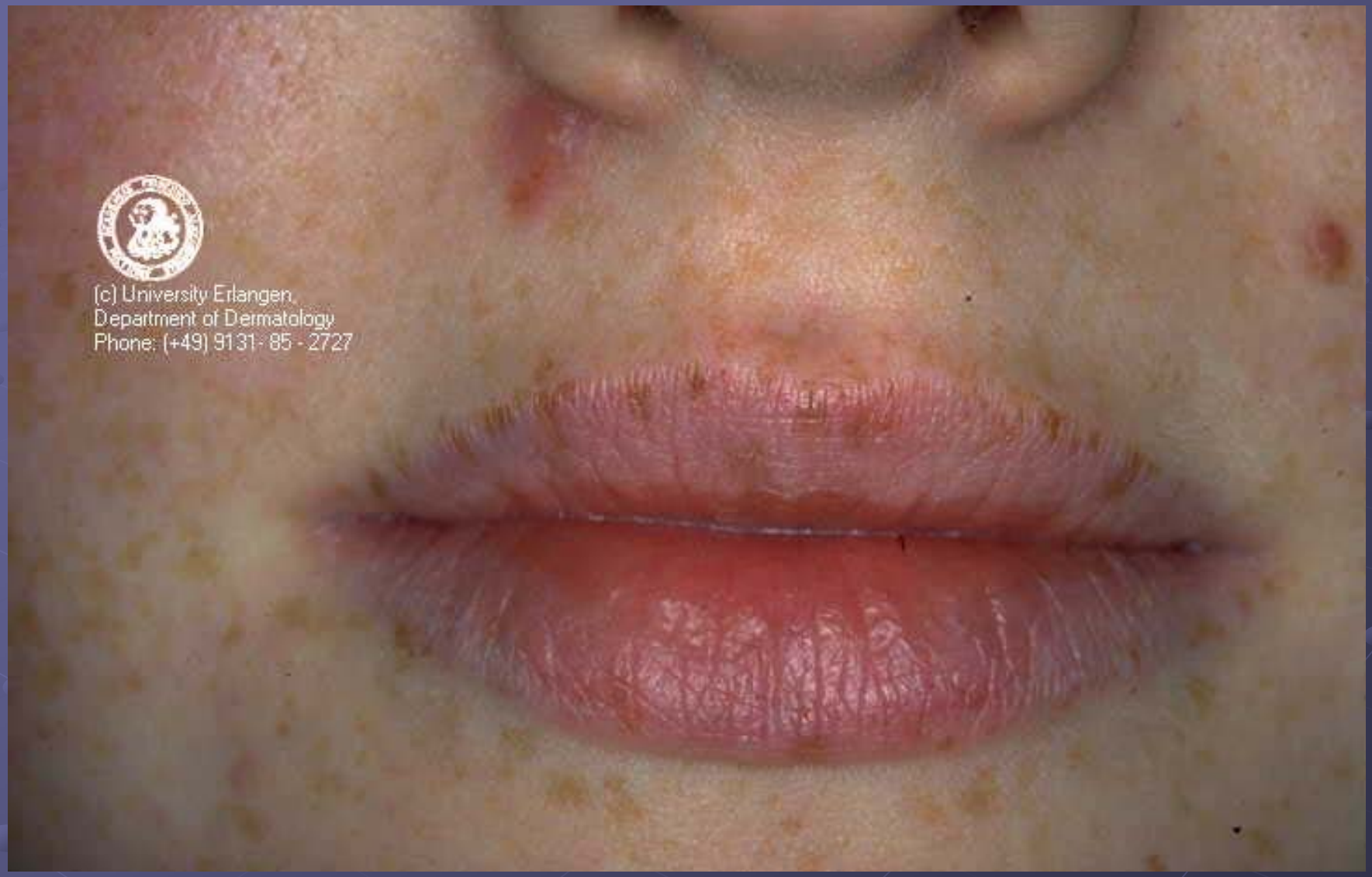
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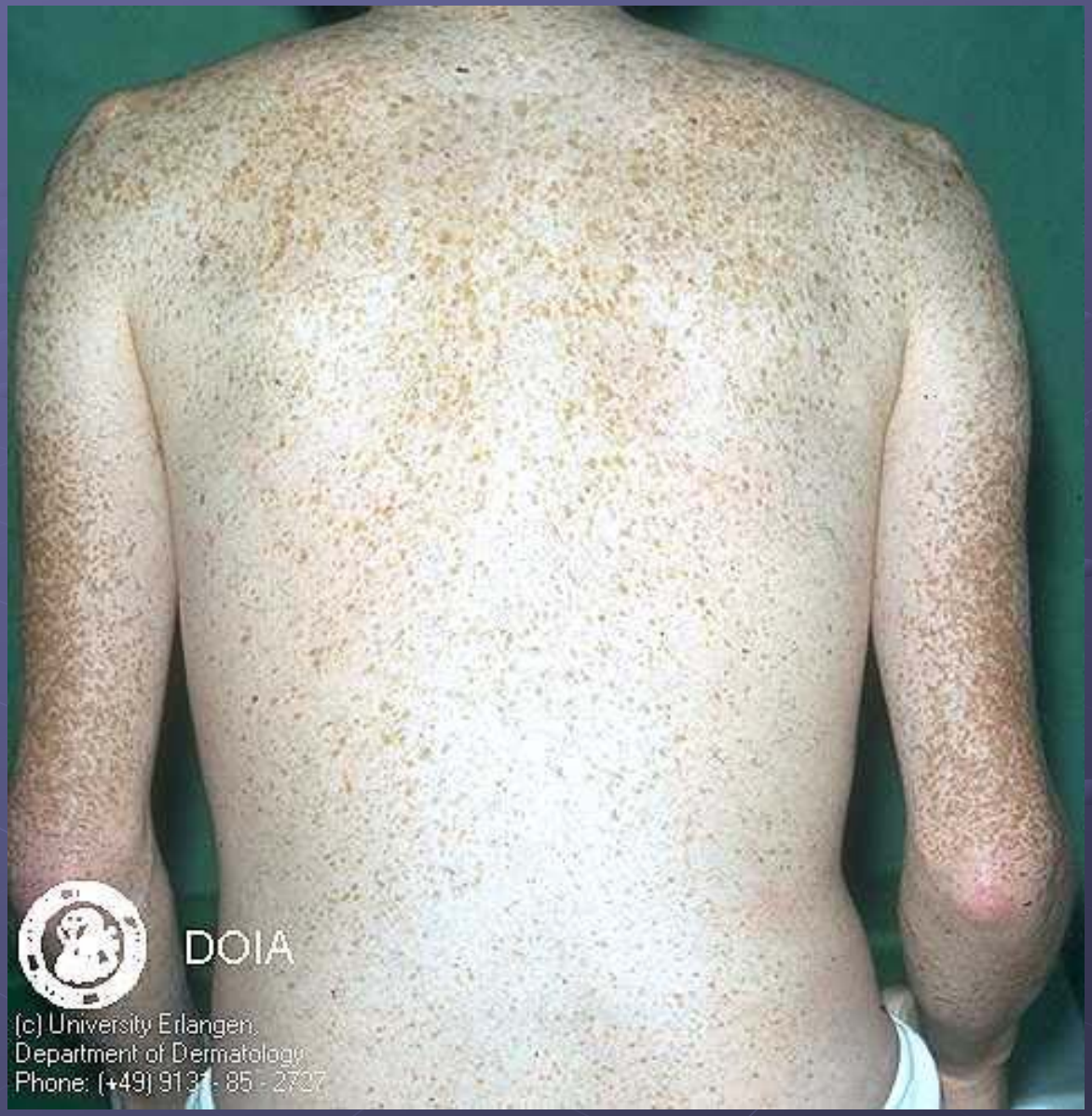
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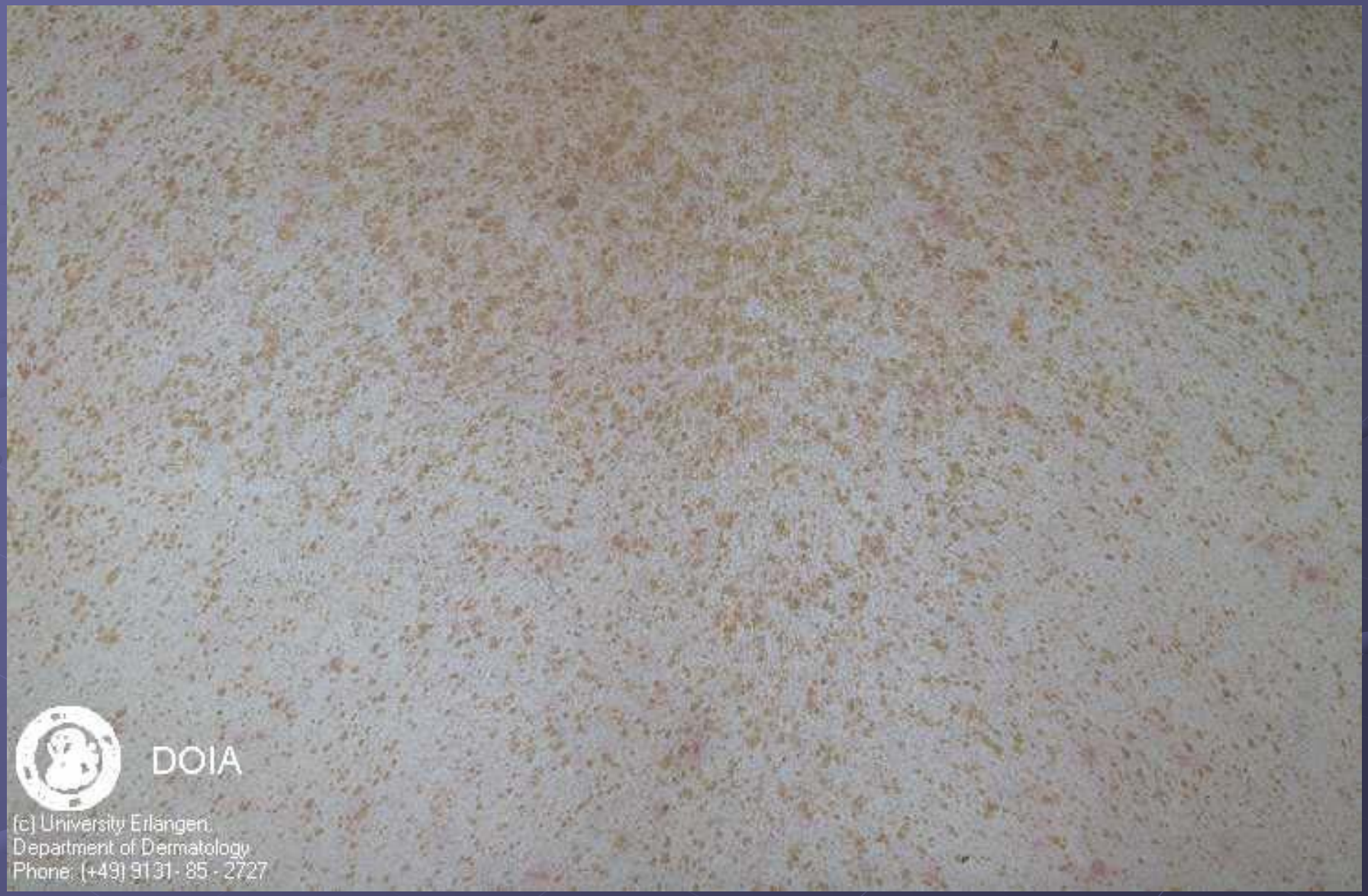
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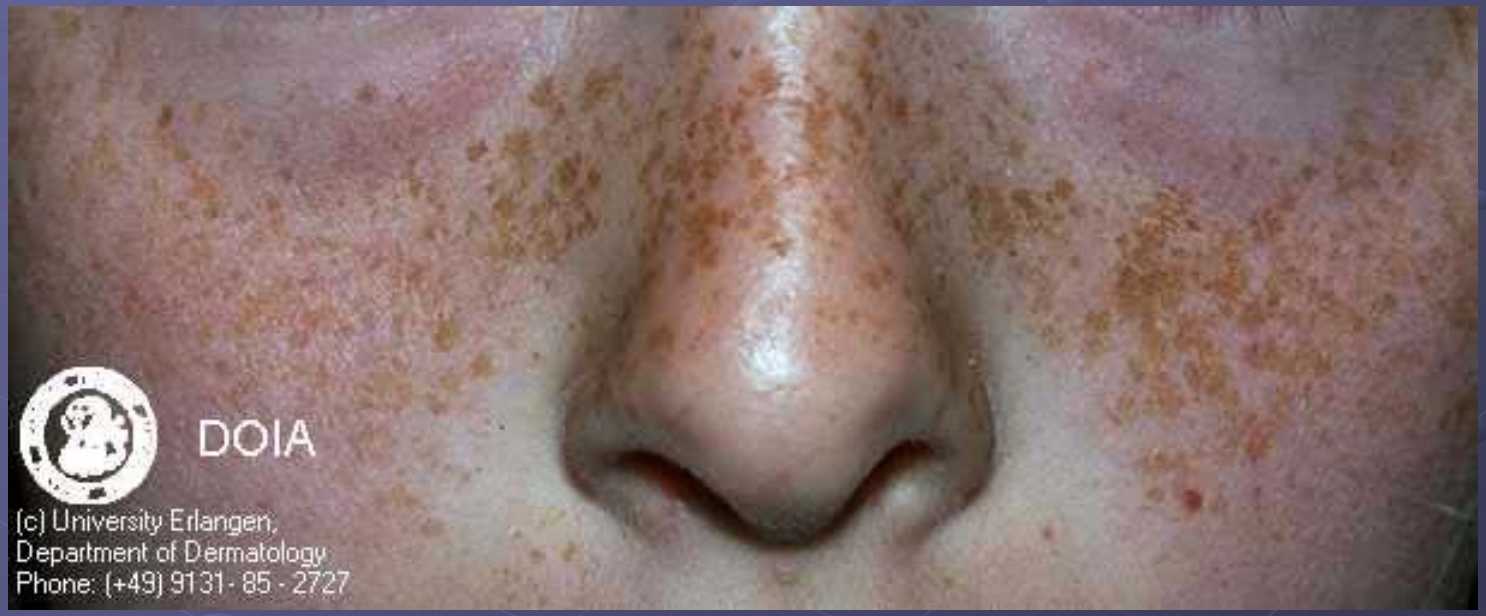
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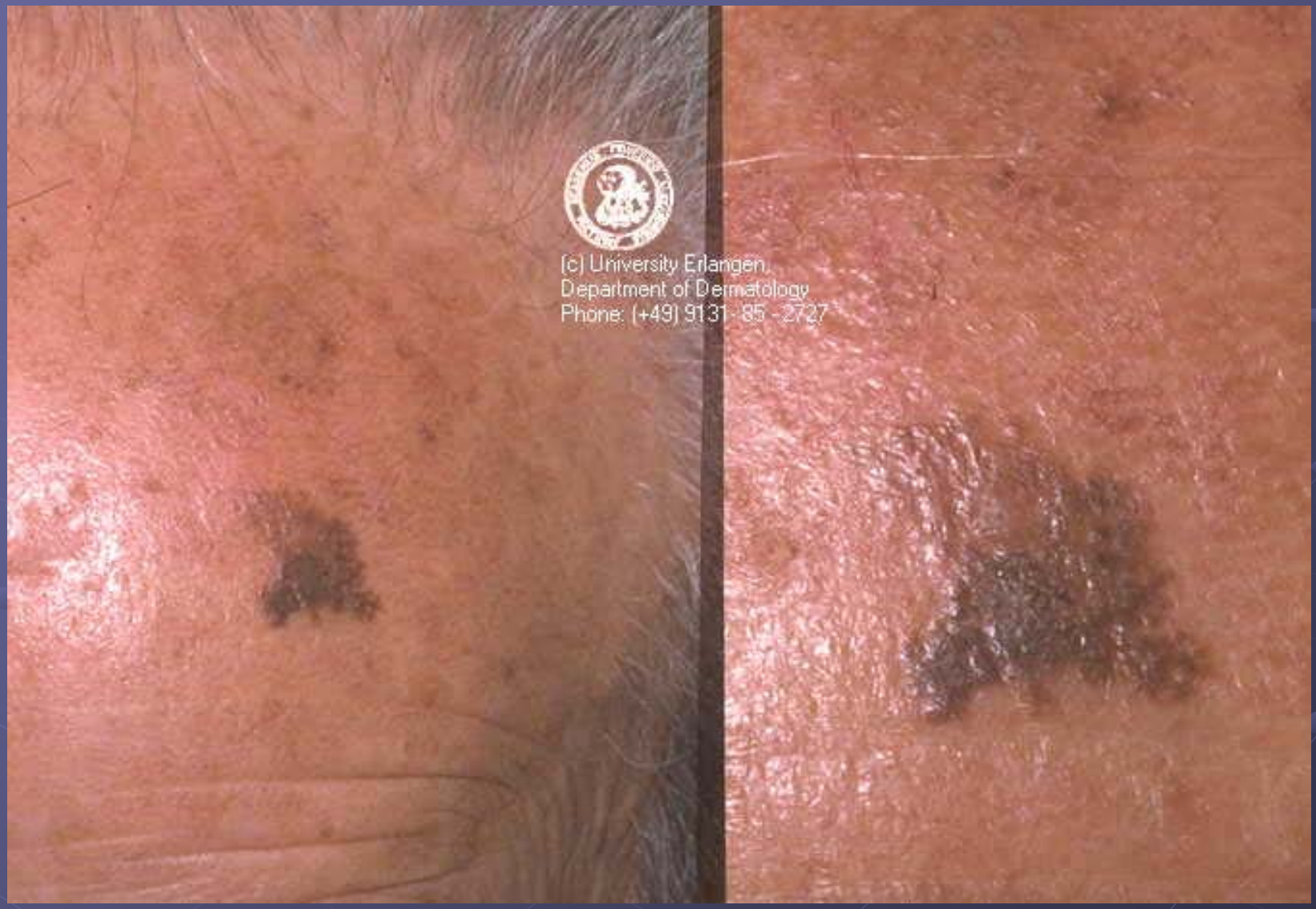
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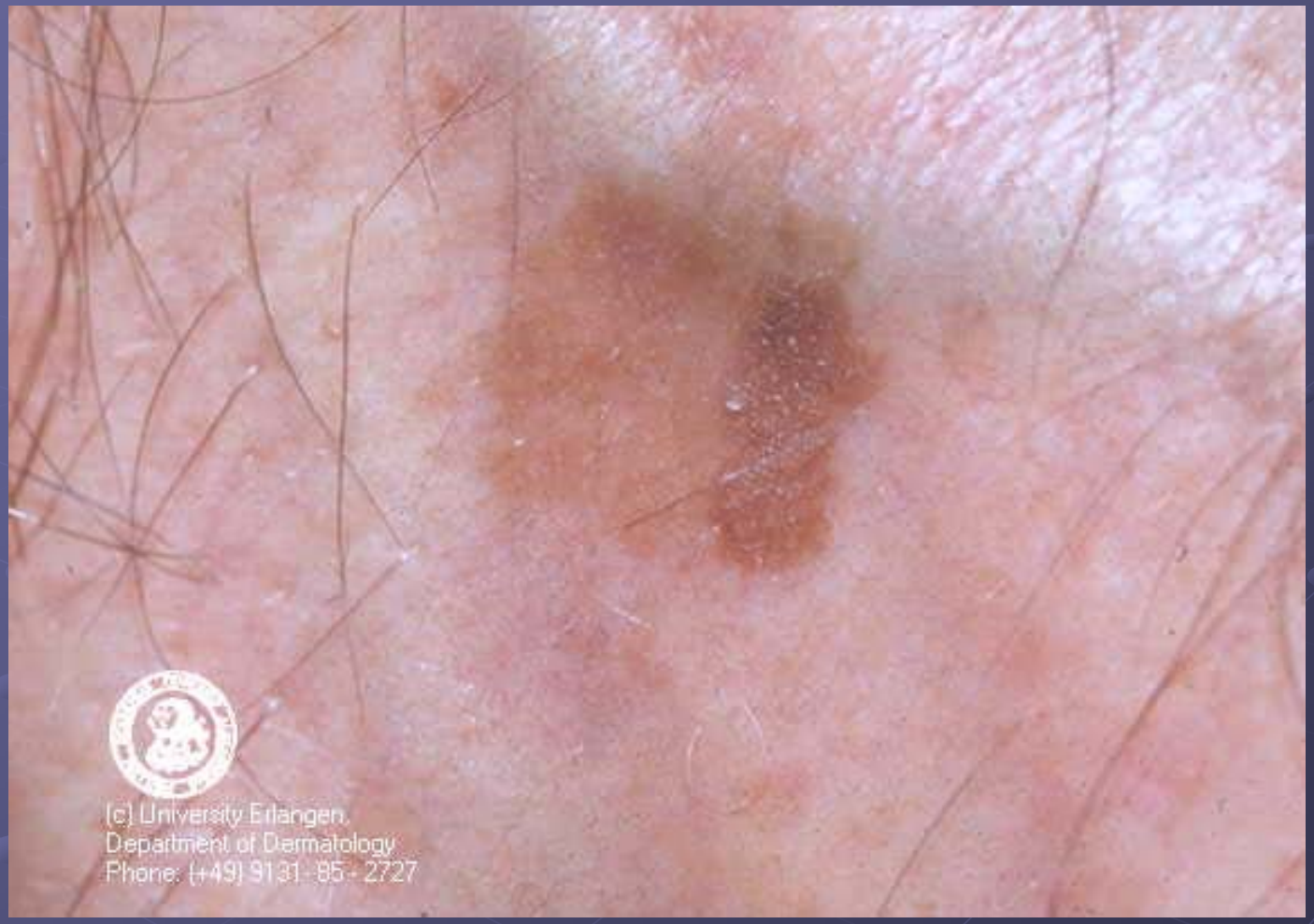
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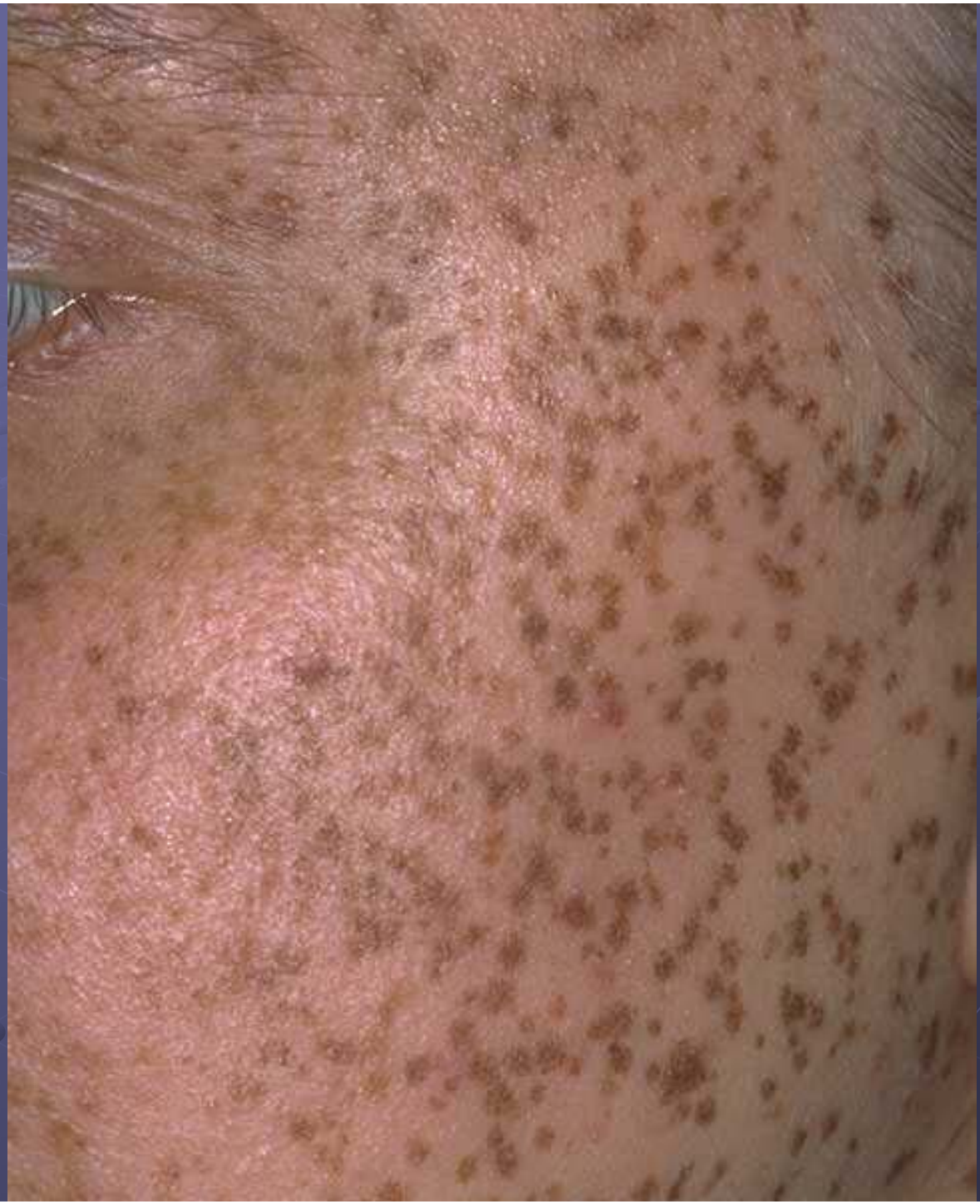

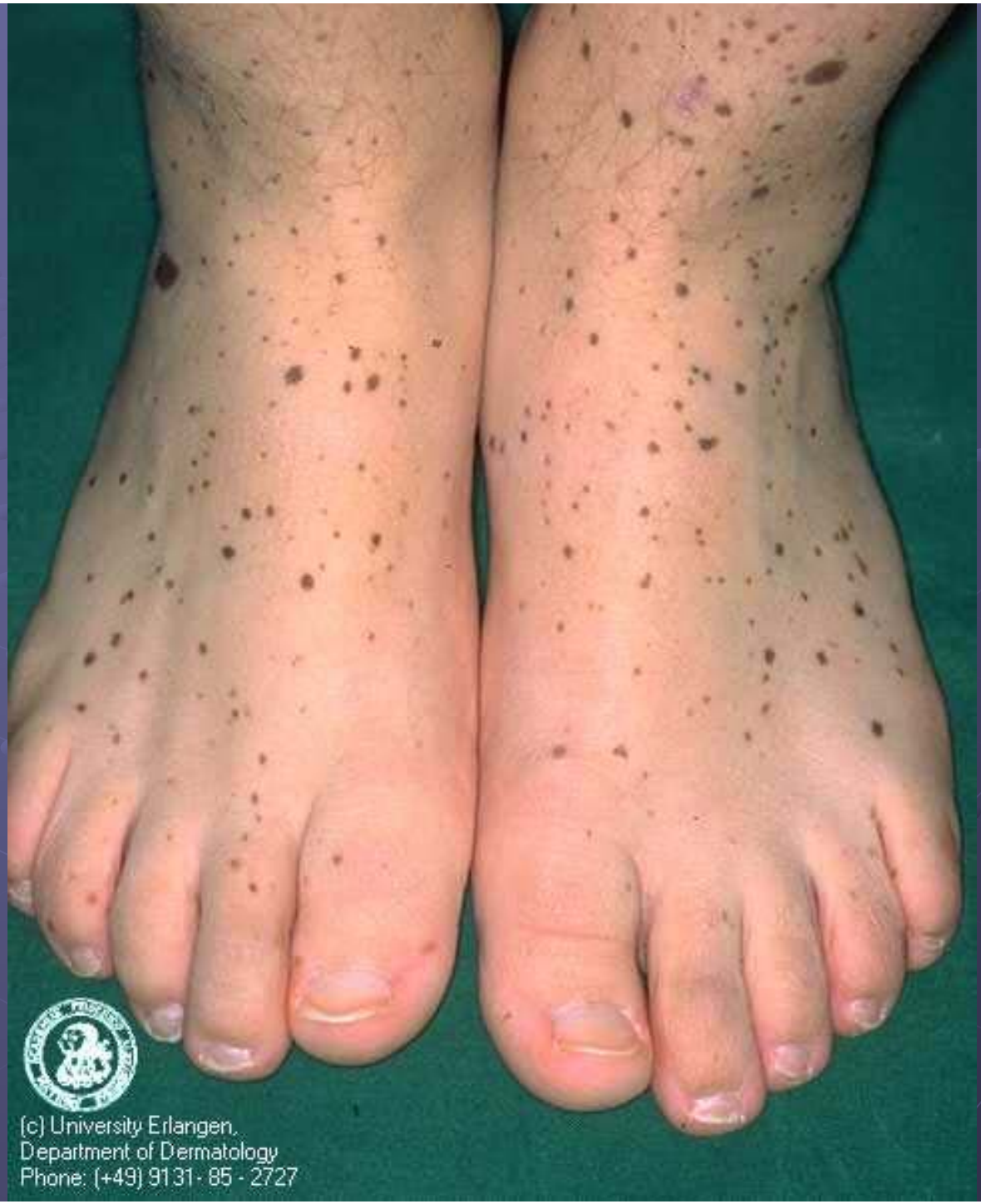
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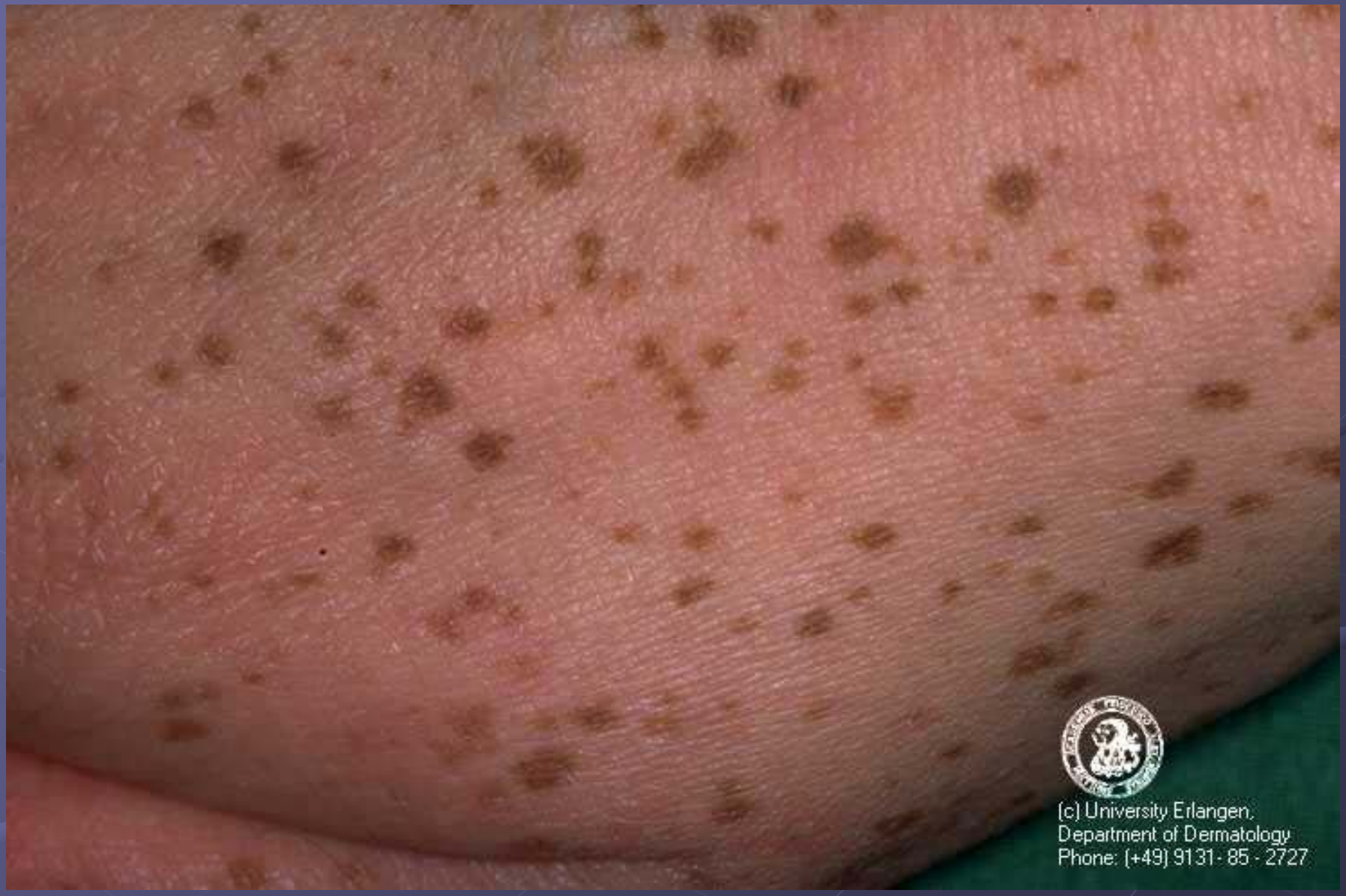
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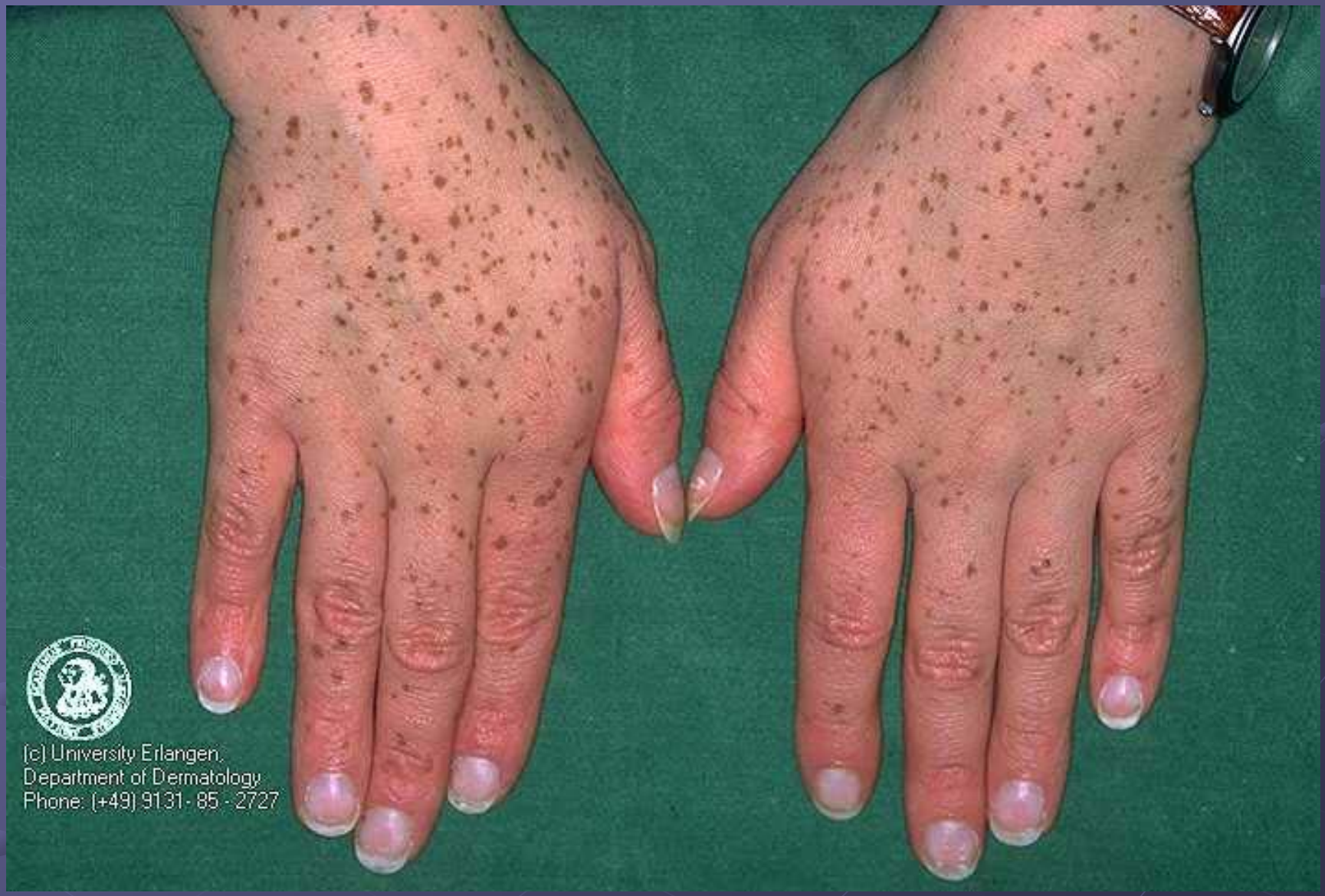
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