

# Treatment in dermatology

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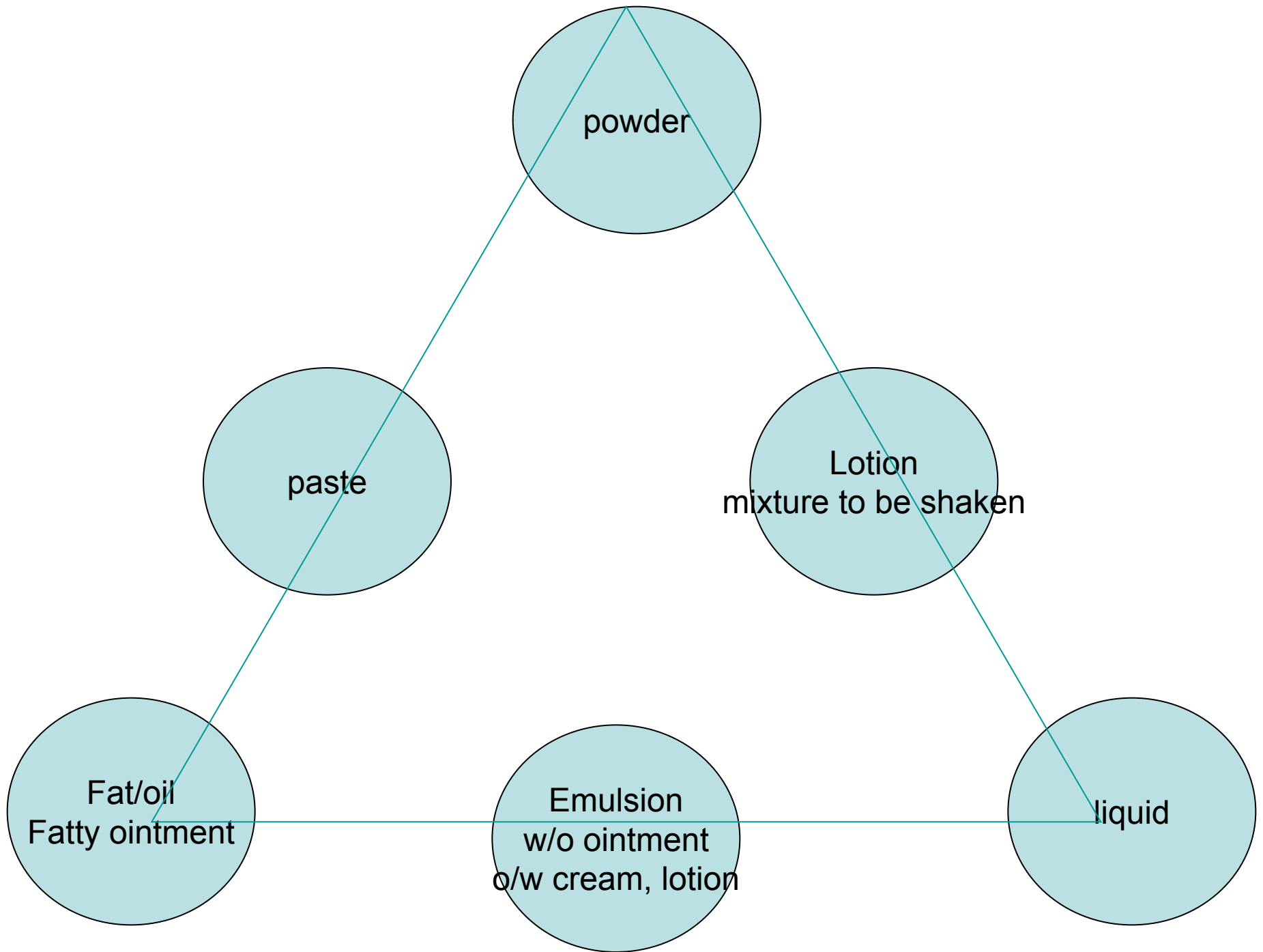
- Drugs - topical
- systemic
- Surgery
- Physical therapy – phototherapy
- cryotherapy
- electrotherapy
- laser
- Balneotherapy, thalassotherapy

# Treatment in dermatology

- ATB
- Antifungal drugs
- Virostatics
- Parasiticides
- Corticosteroids
- Retinoids
- Vitamin D
- Immunomodulators
- Cytostatics



- Lipids
- Antiseptics
- Astringents
- Keratolytics
- Tar
- Antimicrobial substances



powder

paste

Lotion  
mixture to be shaken

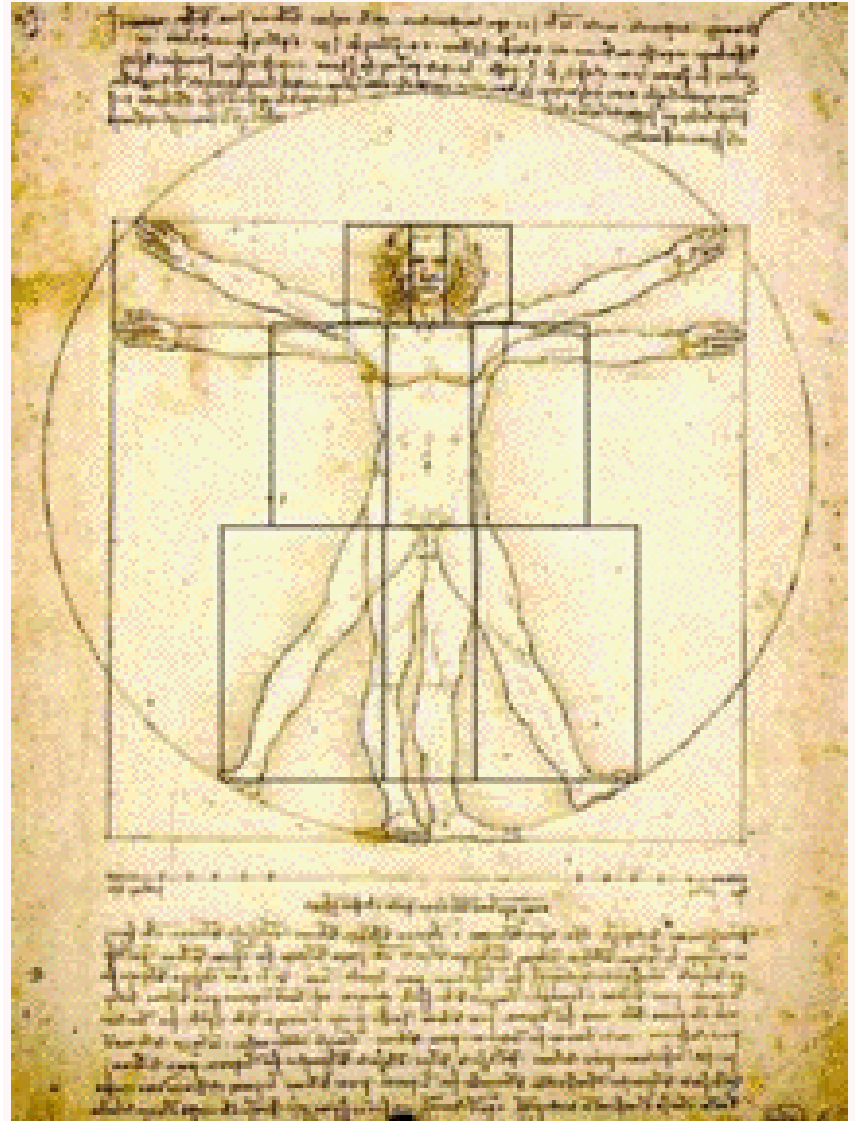
Fat/oil  
Fatty ointment

Emulsion  
w/o ointment  
o/w cream, lotion

liquid

# Topical therapy

- Stage of the disease  
– acute, subacute,  
chronic
- Site of the body



# Topical treatment - ingredients

- Active substance
- Vehiculum
- Additives
- Emulsifiers
- Conserving substances
- Perfumes




# Topical treatment of dermatoses

- Aqueous solutions
- Baths
- Wet dressing
- Alcoholic solutions – tinctures
- Varnishes
- Sprays
- Powders
- Lotions
- Plasters
- Gels
- Pastes
- Oils
- Ointments and emulsions – fatty ointments x creams



# Topical treatment of dermatoses

- Antiperspirants
- Depilatory substances
- Sunscreens
- Depigmenting drugs
- Camouflage
- Protective ointments
- Antiinflammatory drugs

Structural Class	Class A: Hydrocortisone Type	Class B: Triamcinolone Acetonide Type	Class C: Betamethasone Type	Class D1: Betamethasone Dipropionate Type	Class D2: Methylprednisolone Aceponate Type
CLASS 7: LEAST POTENT	Hydrocortisone Hydrocortisone acetate Methylprednisolone, prednisolone Tixocortol pivalate				
CLASS 6: LOW POTENT		Desonide 0.05% C, F  Fluocinolone acetonide 0.01% C, S Triamcinolone acetonide 0.025% C Triamcinolone diacetate 0.025% C		Alclometasone dipropionate 0.05% C, O Betamethasone valerate 0.1% C	
CLASS 5: LOWER MID-STRENGTH		Desonide 0.05% O Fluocinolone acetonide 0.025% C Triamcinolone acetonide 0.1% C, 0.025% O, L Triamcinolone diacetate 0.1% C		Betamethasone dipropionate 0.05% L Betamethasone valerate C, L Fluticasone propionate 0.05% C	Hydrocortisone buteprate 0.1% C, O, S Hydrocortisone butyrate 0.1% C, O, S Hydrocortisone valerate 0.2% C Prednicarbate 0.1% C
CLASS 4: MID-STRENGTH		Amcinonide 0.1% C Fluocinolone acetonide 0.01%, 0.025% O Halcinonide 0.025% C Triamcinolone acetonide 0.1% O Triamcinolone diacetate 0.1% O	Cloccortolone pivalate 0.1% C Desoximetasone 0.05% C	Betamethasone valerate 0.12% F  Clobetasone butyrate 0.05% Mometasone furcate 0.1% C, L	Hydrocortisone valerate 0.2% O
CLASS 3: UPPER MID-STRENGTH		Amcinonide 0.1% L Fluocinolone 0.05% Triamcinolone acetonide 0.1% C, O Triamcinolone diacetate 0.1% C, O		Betamethasone dipropionate 0.05% C Betamethasone valerate 0.1% O Clobetasone butyrate 0.05% Diflorasone diacetate 0.05% C Fluticasone propionate 0.005% O Mometasone furcate 0.1% O	
CLASS 2: HIGH POTENT		Amcinonide 0.1% O, L, C Budesonide 0.025% C Fluocinolone 0.05% C, O, G, S Halcinonide 0.1% C, O, S	Desoximetasone 0.25% C, 0.05% G	Betamethasone dipropionate 0.05% O, C Betamethasone valerate 0.1% Diflorasone diacetate 0.05%	
CLASS 1: SUPERPOTENT				Betamethasone dipropionate 0.05% G, O, L Clobetasol propionate  0.05% C, O, G, S, F Diflorasone diacetate 0.05% O	

# Side effects of corticosteroids

- Tachyphylaxis
- Rebound phenomenon
- Atrophy – striae distensae
- Vasoconstriction, telangiectasia
- Perioral rosacea like dermatitis
- Hypertrichosis
- Immunosuppression
- Interference with wound healing

# Atopic dermatitis

- Emollients
- Antiseptic baths, oil baths
- Antimicrobial substances
- Corticosteroids
- Tacrolimus
- Phototherapy UVA1
- Antihistamines
- Cyclosporine
- Diet