



Dermatology

Our skin is the largest and most visible organ in our body. It has many functions, including protection from pathogens (bacteria and other invaders), insulation, temperature regulation (sweat), sensation, and vitamin D and B synthesis. Without our skin we would not be able to function as we do. The condition of our skin tells a lot about our health and habits. Drinking plenty of water, eating healthy foods, and exercising regularly are the best ways to ensure healthy skin.

Acne

Acne is a skin condition characterized by clogged hair follicle pores and their resulting pimples. Small glands known as sebaceous glands empty an oily mixture of dead cells called sebum into the follicles. This sometimes clogs the follicles and sebum builds up in the pores. This sebum filled pore is conducive to the growth of bacteria called *Propionibacterium acnes*. These bacteria digest the sebum and their products set up the inflammation that causes pimples.

Indication	Company	Product	Phase
Acne	Anacor Pharmaceuticals Inc	AN0128	II
	Bayer HealthCare	Finevin Cream (azelaic acid)	M
	Dow Pharmaceutical Sciences	Ziana (clindamycin phosphate, tretinoin)	M
	Steifel Laboratories	Evoclin	M
	Bayer HealthCare	Yaz (drospirenone, ethinyl estradiol)	A

Alopecia

Alopecia areata is a type of hair loss that occurs when the immune system mistakenly attacks hair follicles, which is where hair growth begins. Experts do not know why the immune system attacks the follicles. Alopecia areata usually begins when clumps of hair fall out, resulting in totally smooth, round hairless patches on the scalp. In some cases the hair may become thinner without noticeable patches of baldness, or it may grow and break off, leaving short stubs called "exclamation point" hair. The hair loss often comes and goes; hair will grow back over several months in one area but will fall out in another area.

Indication	Company	Product	Phase
Alopecia (Hair Loss)	Neosil Inc	NEOSH101	II

Dermatomyositis

Dermatomyositis is a connective tissue disorder characterized by the inflammation of muscles and skin. Skin abnormalities associated with dermatomyositis often include a distinctive reddish-purple rash (heliotrope rash) on the upper eyelids and across the cheeks and bridge of the nose. Scaling and degenerative (atrophic) changes of affected skin occur on the extensor surfaces of the knuckles, elbows, knees, and/or other regions (Gottron's sign); and fluid accumulates in body tissues surrounding the eyes.

Indication	Company	Product	Phase
Dermatomyositis	Impax Laboratories Inc	Aminobenzoate Potassium Tablets	M

Dermatosis

Dermatosis is a generic term describing any of the diseases of the skin. It may, or may not, be characterized by the presence of inflammation.

Company	Product	Phase	Indication
Steifel Laboratories	Luxiq Foam	M	Dermatosis
Steifel Laboratories	Olux E	M	
Steifel Laboratories	Olux Foam	M	Scaly Scalp

Eczema

Eczema is a form of dermatitis and the term is broadly applied to persistent and recurring skin rashes characterized by redness, edema (swelling with fluid), itching and dryness, and possible crusting, flaking, blistering, cracking, oozing, or bleeding. Skin discoloration can occur, but scarring is rare. Treatments include topical creams and ointments.

Company	Product	Phase	Indication
Aerovance Inc	Aeroderm	II	Eczema
Anacor Pharmaceuticals Inc	AN0128	II	
Arriva Pharmaceuticals Inc	Recombinant alpha 1-antitrypsin / rAAT	II	
Dow Pharmaceutical Sciences	Desonate (desonide)	M	
Steifel Laboratories	Verdeso	M	

Psoriasis

Psoriasis is an inflammation of the skin that may be caused by an autoimmune response against the body's own skin cells. The build up of skin cells results in thick, dry, scaly patches which are usually red and may be itchy. Psoriasis is an inherited disorder, and therefore not contagious. The condition can be exacerbated by injuries and irritations that might stimulate an immune response (such as burns, sunburns, cuts, etc.), as well as certain medications and infections.

Company	Product	Phase	Indication
Anacor Pharmaceuticals Inc	AN0128	II	Psoriasis
CellGate Inc	PsorBan Ointment / CGC1072	II	
ChemoCentryx Inc	T487	II	
Dow Pharmaceutical Sciences	Clobex Spray (clobetasol propionate)	M	
Steifel Laboratories	Olux E	M	
Steifel Laboratories	Soriatane	M	
CellGate Inc	PsorBan Ointment / CGC1072	M	
Steifel Laboratories	Olux Foam	M	Scalp Psoriasis
Genentech Inc	Raptiva / Xanelim (efalizumab)	PM	Psoriasis
XOMA Ltd	Raptiva / Xanelim (efalizumab)	PM	

Rosacea

Rosacea is a skin disease that causes redness and pimples on the nose, cheeks, chin, and forehead in young-to-middle-aged adults. The redness may come and go. People sometimes call rosacea “adult acne” because it can cause outbreaks that look like acne. It can also cause burning and soreness in the eyes and eyelids.

Indication	Company	Product	Phase
Rosacea	Bayer HealthCare	Finacea Gel (azelaic acid)	M
	Dow Pharmaceutical Sciences	MetroGel (metronidazole)	M

Seborrheic Dermatitis

Seborrheic dermatitis is an inflammation of the skin that causes flaky, white to yellowish scales to form in oily areas of the body, especially inside the inner ear, eyebrows, eyelids, nose, lips, skin folds or scalp. This can occur with or without reddened skin. When this condition strikes infants it is labeled as cradle cap.

Indication	Company	Product	Phase
Seborrheic Dermatitis	Steifel Laboratories	Extina	M

Skin Aging

As people age, the skin becomes thinner, less elastic, and less able to heal itself. If time was spent in the sun in earlier years, sun spots and hyperpigmentation begin to show up on the face, hands, and other exposed areas of the body. Wrinkles also become noticeable on the body, most noticeably on the face and neck. Skin treatments focus on reversing the effects of aging on the skin, to help maintain its youthful appearance by increasing elasticity and reducing wrinkles and age spots.

Indication	Company	Product	Phase
Wrinkles	Cutera Inc	Pearl	A
Skin Aging	Senetek Plc	Pyratine-6 / PRK124	II
Cosmetics	Mentor Corp	Puragen Plus (hyaluronic acid and lidocaine)	III
Wrinkles	Mentor Corp	Botulinum toxin type A / PureTox	III
	Mentor Corp	Puragen (hyaluronic acid)	III
Photoaging	Senetek Plc	Kinerase / Kinetin	M
Skin Care Product	Mentor Corp	NIA 24 (niacin)	M
	Senetek Plc	Kinetin	M

Skin Itching

An itch is a sensation felt on the skin that causes a person to scratch that area and is often uncomfortable, causing distress. Scratching can sometimes break the skin and result in an infection. Itching can be due to many causes ranging from dry skin to medications to cancer. A major cause of itching is histamine, a molecule released by mast cells in the skin. Common causes for itching include skin conditions (such as eczema or atopic dermatitis), mosquito bites, allergic reactions, Hodgkin's disease, jaundice, and certain medications.

Company	Product	Phase	Indication
Parnell Pharmaceuticals Inc	EarSol-HC (hydrocortisone, yerba santa)	M	Skin Itching
Acologix Inc	TRK-820	PA	

Wounds

During the course of daily activities, people often inadvertently injure themselves, resulting in bleeding and scarring. The healing process largely occurs on its own with the help of white blood cells and clotting factors in the blood, but sometimes, if the wound is large enough, external help is needed to ensure proper closure of the wound. Topical creams are sometimes used to aid in maintaining moisture as well as cleanliness in the skin during the healing process.

Company	Product	Phase	Indication
Oculus Innovative Sciences Inc	Dermacyn	M	Wounds