



Merz Pharmaceuticals GmbH
Eckenheimer Landstraße 100
D-60318 Frankfurt/Main

www.merz.com

pantogar®
 MEDICAL
HAIR
CENTRE

Hair loss?



How to create
the comeback
for your hair.

pantogar®
 MEDICAL
HAIR
CENTRE

2630620/5/15302

Healthy hair is beautiful hair.

Healthy, strong hair is part of our ideal of beauty and expression of personal attractiveness and individuality. Symbolizing power and vitality, hair influences self-awareness and also our impression on others.

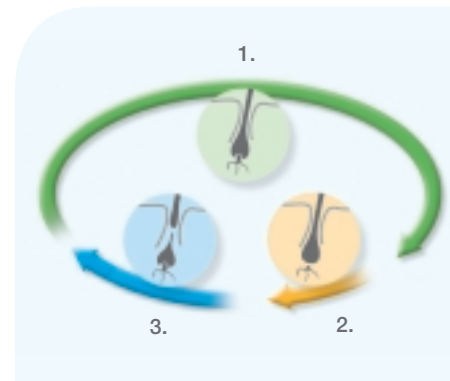


Hair is a wonderwork of nature. It is formed in the hair root and consists of up to 90 % keratin. Like a little „hair factory“, the 100 000 or so hair follicles on the human scalp produce 30 m of hair daily which is 1 km of hair in one month.

The three phases of hair life.

Healthy hair undergoes three phases that re-occur in cycles:

1. During the **growth phase**, which lasts 2 to 6 years, hair grows for about 1 cm per month. 80 - 90 % of hair is in the growth phase. During this phase hair is exposed to influences that may either be damaging or growth-promoting.
2. Hair stops growth during a 2-week **transition phase**.



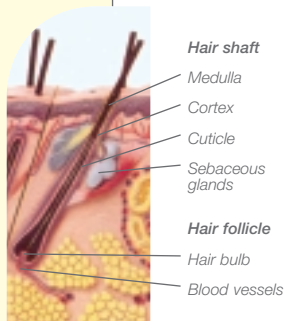
3. During the 2 to 4 month **resting phase** the mature hair remains in the scalp. It finally is pushed out by the new hair growing. In consequence of this natural change of hair phases we lose about 50 to 100 hairs daily.

However, you should do something, if the daily hair loss exceeds 100 hairs.

Hair loss: Not only a cosmetic problem.

There are various types of hair loss. Hairs can fall out from the entire scalp, from the region of the forehead or in patches from the crown of the head. When the entire scalp is affected we speak of diffuse effluvium. About 40 % of all women suffer from that type of hair loss at least once in a lifetime. The reason for that is an insufficient supply of the still intact hair root with essential micronutrients via circulation. The result is a premature termination of hair root activity, the hair falls out. With the further progressing of this condition, the hair is getting thin. No wonder, that joy of living and self-confidence are also affected.

Diffuse hair loss can have several causes:



- diseases like infections or metabolic disorders
- specific medication
- malnutrition, e.g. in the case of diets
- emotional stress and other stressful situations
- hormonal influences, such as, for example, during lactation or pill pause.

If hair loss is intense it is advisable to consult a physician.

Attack from the outside: Hair structure lesions.



healthy hair



damaged hair



brittle hair

In contrast to diffuse hair loss, hair structure lesions are caused by external influences. The main causes are:



- mechanical (combing, extreme brushing, back-combing, fastening with elastic bands, etc.),
- chemical (tints, bleaches, dyes, perms) and
- physical effects (excessive heat from hairdryers, intensive exposure to sun or UV rays)

making hair look matt and rough. Hair loses elasticity and becomes brittle, it is difficult to comb, becomes trichomatous or even breaks.

Pantogar. New life for your hair.

Pantogar is a highly effective hair therapeutic for treatment of diffuse hair loss and hair structure lesions. Via cellular metabolism, its special combination of amino acids, proteins and vitamins of the B group supplies hair with the nutrients required for its growth and for building up a firm, elastic structure.

The efficacy of Pantogar has been documented in comprehensive scientific studies: Pantogar significantly reduces hair loss, stimulates healthy hair growth and improves hair quality and resistance. And it is excellently tolerated.



Pantogar makes your hair grow. And thus your joy of living.

Pantogar creates the comeback of your hair – and thus also your joy of living. Take 3 capsules of Pantogar daily, preferably with a little fluid at meal times. In order to achieve visible success, it is recommended that Pantogar be ingested for a minimum of 3 months. To achieve lasting success and to keep hair beautiful over time, Pantogar should be used regularly for prolonged periods of time every 6 to 12 months. For more details consult your pharmacist.

