Asthma and its Different Causes

Kjell E. J. Håkansson*

Department of Respiratory Medicine, Copenhagen University Hospital - Hvidovre, Denmark, Europe.

A hma (A hma b onch ale) a compla n ha h he a a n de he l ng . I ca e he o el n de he a a o ell. A hma al o ca e he band of m cle a o nd he a a o come na o . make i ha d fo eno gh a o pa h o gh and fo he pe on o b ea he p call . A hma al o ca e m c - mak ng cell n de he a a o make f he m c han no mal. block he a a , h ch a e fo me l e. abl na o d ng an a hma a ack, and make i ndeed mo e del ca e o b ea he.

A pe on ha ng an a hma a ack f e en l make ga p ng o nd hen ng o b ea he. i i he o nd of a ng o pa h o gh he e abl na o a a [1]. e al o ha e b efne of b ea h, h ch mean he canno ake a f ll deep b ea h. e ma al o co gh a lo .

A hma a ack can be a med cal e genc beca e he can be fa al. e e no c fo a hma. e e a e ea men m la a d en k nd of d g o help people h a hma. e e a e al o e ec ha people h a hma can do o help hem el e o keep he a hma f om ge ng o e.

Ca e

e e ac ca e of a hma n e kno n. I bel e ed ha ma be beca e of n me o d en ea on

Gene c hen change be n a pe on gene (called m a on) he e change a e pa ed on o he ch ld en. One o bo h pa en ma ha e he e change o m a on n he gene , and ome o all of he ch ld en ma be bo n h hem, h ch mean he nhe ed hem [2]. e e m a on , once he be, n n fam l e f om one gene a on o he com ng and a e endle m a on , he change he gene n he DNA. e e change can make a pe on mo e l kel o ge ce a n cond on l ke a hma. In ome cond on ma be onl one change n one gene ha ma make a pe on ge ha compla n , n a hma ma be change n n me o d en gene ha ma make a pe on mo e l kel o ge a hma.

En gene c change o a a on bege d en k nd of change ha a ec ho a pe on gene o k o e p e hem el e n h ee d en a , b don change he gene n he DNA. e e ep gene c change ma be nhe ed, o he ma be n e o h ch hen a bab ll n de mama. e ma al o be n nonage, beca e of d en ea on , l ke a e p a o nfec on, be ng e po ed o chem cal o med c ne , d e e c [3]. e e change can be pa ed f om one gene a on o he com ng b a en endle and m gh onl be pa ed do n one o o gene a on .

En onmen al fac o al o a ec a pe on; h ch can be nheal h . Unheal h en onmen al fac o l ke l ng n an a ea he e he e a lo of a poll on, o he e he e a e lo of b g n he ho e, o be ng a o nd c ga e e bank.

A o

A op hen he e a e change n ome of he gene a pe on bo n h (nhe ed able he age). e e nhe ed able change make he bod p od ce f he Imm noglob l n E (IgE), a pe of an bod e e al o mo e en e o e ec e ec l ke chem cal , bank and d (en onmen al an gen) [4]. ac mean he e mo e en e o an pa he c o e ec n he e an han people ho don ha e he e change n he gene and a en h pe en e o an pa he c.

ac ca e he bod o epl n ce a n a . Gene all a pe on ho a op c de elop an pa he c h n h ch a ec he na al pa age h ch a e beh nd he no e and he e al o mo e l kel o ge a op c de ma . h ch ca e k n a he and a op c a hma. Up o 40 of people h an pa he c h n al o ha e a hma. If a pe on ha one pa en ho e a op c he e a chance of be ng a op c oo. If he e o pa en ho a e a op c he e an ndeed h gge chance of be ng a op c.

Ace amino hen and a hma

e e ha e been d e ha ho a l nk be een ace am nophen (T lenol) and a hma. Fo ca e a 2008 anal of nfo ma on collec ed f om a e abl la ge d called he In e na onal S d of A hma and D ncl na on n Ch ldhood, o he I aac d fo ho , ho ed ha ch ld en ho had aken ace am nophen fo a fe e d ng he me of he l fe had a 50 ad anced h ea of ge ng a hma la e l on [5]. e f he ace am nophen ch ld en ook he ad anced he h ea of ge ng a hma. Ch ld en ho ook fo me l a mon h