Findings on impairment of hepatic function through the "Pollen Extract G63" of Graminex Company

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Pollen Extract, containing a rich source of nutrition (amino acids, minerals, and vitamins), represents the birth of the next generation of plant substances that should not be overlooked and is a substance with not yet known hidden effects. ED or andropause are modern-day diseases concomitant with impairment of liver function among male patients. Excessive alcohol consumption, nervous stress, and high calorie diets are mostly cited as the causes of a recurring vicious cycle. Protein, vitamins, and minerals are necessary for sufficient repair of hepatocytes (liver cells). In our report this time the effect of all that is contained in pollen extract was studied in terms of liver function impairment.

[Objective and Method]
At the Clinic, 5 patients which indicated for impairment of hepatic function were administered dosages of Pollen extract G63 over a period from 3 months to 5 months. The hepatic function was examined before administration started and after administration stopped (1 month~5 months afterward) and a determination made of the effect.
The pollen extract G63 used in the trial was produced by Graminex Company in Ohio, USA from the pollen of raw materials such as rye, corn, and timothy hay (referred to as Phlegm pratense in Japan) which were cultivated without using agrochemicals or genetically modified varieties. (However, a slight amount of pollen as weeds from timothy (referred to as Phleum pratense in Japan) was also included.) The pollen which has a double hull is not digested or absorbed even when ingested since it has strong resistance to acid and heat (cannot be destroyed even at 300 deg C).Graminex Company using a special technology is able to separately extract G60 (water soluble nutrition component) and GFX (lipid soluble component) and we received the product G63 which is a 20:1 combination G60 and GFX. The dosage was 6 tablets per day; three tablets each after breakfast and dinner. One 250 mg tablet contains 62.5 mg of pollen extract. (The daily quantity .... 375mg as pollen extract)

[Results]

Name	Gender	Age	Administration period	GOT	GPT	γ-GTP	T-cho	TG
N. Y	M	48	Before	67	186	119	244	197
			After 1 month	48	125	84	235	160
			After 2 months	31	60	76	239	174
			After 3 months	27	49	74	238	270
			After 5 months	35	65	76		
S. M	M	71	Before	61	56	144	183	126
			After 2 months	73	65	198	195	114
			After 4 months	48	47	164		
			After 5 months	46	49	135		
K. M	M	77	Before	47	47			
			After 2 months	26	29	152		
			After 3 months	26	29	178	136	161

K. M	M	48	Before	127	132	226	188	101
			After 1 month	69	79	220	187	135
			After 3 months	211	157	260	221	105
F. M	M	59	Before	119	360	241	169	153
			After 1 month	16	21	96		
			After 2 months	16	17	49		
			After 4 months	17	21	37		

[Results]
Among the 5 subjects all 5 experienced an improvement in GOT and GPT. However, the symptoms of medical case □ became wore after three months, although it can be considered that the reason for this was that alcohol consumption increased by the patient in response to the improvement achieved after one month. Medical case □ had hepatitis B, but improved dramatically from the first administration of pollen extract.

[Discussion]
Pollen extract is a substance that contains amino acids, and micro quantities of metal atoms (minerals) which have an antioxidant effect. It can be considered that blood flow is improved, fatigue is relieved, and the damage of the impaired hepatocytes is stopped and repaired at the smallest level.

[Safety]
Among the findings during the study, in particular there was no subject for which administration had to be stopped because of complaints of worsening condition. However, it is necessary to be cautious in the quantity of alcohol consumed as 2 individual complained that they did not drink to excess even though they drank alcohol.
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