

**'Polyglandin'.**

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# 'Polyglandin'

A PRODUCT  
CONTAINING  
THE ACTIVE  
ENDOCRINE  
PRINCIPLES  
OF THE  
THYROID,  
OVARY,  
TESTIS AND  
PITUITARY  
GLANDS



**Allen & Hanburys Ltd., London**

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## 'Polyglandin'

**P**LURIGLANDULAR therapy has now attained a definite place in therapeutics. While certain clinical symptom groups can be recognised as characteristic of dysfunction of certain glands, a great variety of disorders occur which appear to be due to defect of a combination of these glands. This can be readily understood when the close inter-dependence of the various units of the ductless glandular system is considered. The enlargement of the thyroid at puberty, during menstruation and pregnancy, indicates its close connection with the female reproductive system. The hypoplastic changes in the ovaries seen after destruction by disease of, or operation on part of the anterior lobe of the pituitary, and the changes in the secondary sexual characteristics occurring in some cases of suprarenal tumour, are also interesting examples of this correlation.

The condition of multiple deficiency of the endocrine organs has thus come to be recognised and attributed to changes in the hormone balance, upon which normal metabolism depends. The administration of gland substances takes effect not only by replacing the deficient secretions but also by stimulating the various organs to greater activity. Many cases of what seems a monoglandular deficiency benefit considerably by pluriglandular treatment; in the words of one authority, "the practitioner should grasp the idea that morbid states may be consequent upon pluriglandular insufficiency and this will encourage him to substitute multiglandular for monoglandular organotherapy on the same lines and for the same reasons that we employ polyvalent sera." Costa pointed out the great difficulty of singling out any particular gland in many conditions of apparent endocrine disorder.

In view of these facts a product, such as 'Polyglandin,' is of the greatest service in most conditions where evidence of glandular dysfunction is apparent. 'Polyglandin' is a special preparation containing the active principles of the thyroid, pituitary, ovary and testis and it has proved to be of the greatest value clinically in conditions of general dysfunction of the ductless glands. Each unit of 'Polyglandin' acts in perfect



physiological and therapeutic harmony and is present in such proportion as to exert its optimum effect. Pluriglandular medication by 'Polyglandin' is frequently found to be better tolerated than thyroid alone, and its effects are often more quickly apparent and longer sustained than those of single gland substances.

#### *Composition.*

Each five grains of fresh mixed glands for 'Polyglandin' contains :—

Pituitary	-	-	gr. $\frac{1}{4}$
Thyroid	-	-	gr. $\frac{1}{2}$
Ovary	-	-	gr. $2\frac{1}{8}$
Testis	-	-	gr. $2\frac{1}{8}$

## THERAPEUTIC APPLICATIONS.

The general effect of 'Polyglandin' on the system is shown by rapid increase of nervous, mental and muscular activity and markedly improved cardio-vascular tone. It has a definite tonic action in the progressive debility of old age and in 'run-down' conditions generally. In the following classes of conditions, which are generally believed to be associated with glandular disorder, its value has been proved by clinical experience.

### *In Gynæcological Conditions.*

Pluriglandular therapy has a definite place in gynæcological practice. The functional conditions in which it is given with benefit include amenorrhœa, dysmenorrhœa, natural or artificial menopause, anæmia, hysteria, etc. The control of the menstrual process by the glands of internal secretion is an established fact and the treatment of such conditions as the above is, therefore, rational and is also an established practice. The effect in relieving amenorrhœa, for example, is due to a direct stimulating effect on the defective physiological function and is not merely symptomatic treatment. 'Polyglandin' also provides a rational method of treating functional sterility and asexuality, and the neurotic and psychotic manifestations common in such individuals are also greatly benefited from its use.

### *Sexual Neuroses.*

'Polyglandin' has been found of service in neuroses associated with the sex organs generally. Certain varieties of impotence, such as those due to excess or general debility certainly respond well to its administration. Allied conditions of neurasthenia, melancholia, etc., have also been found to improve under its administration.



## *Asthenia.*

It is now recognised that in general asthenic conditions, such as result from toxæmias, the ductless glands are affected to a greater or lesser extent. In severe and prolonged asthenic states, therefore, it is logical to stimulate the various units of the endocrine system and this has proved very effective in practice. Its value has also been observed in such conditions as chronic rheumatism, chorea, epilepsy and rheumatoid arthritis.

## *Infantilism.*

'Polyglandin' may be employed in cases of infantilism or backward development due to abnormality of the internal secretions. Such cases often respond favourably to a course of 'Polyglandin' extending from six months to a year.

'Polyglandin' is supplied in the following forms:

*For Oral Administration:*

**Elixir 'Polyglandin.'** Each fluid drachm is equivalent to 5 grains of fresh mixed glands.

*Dose— $\frac{1}{2}$  to 2 teaspoonfuls two or three times daily.*

In 4 oz., 8 oz. and 16 oz. bottles at 3/6, 6/6 and 12/-

**'Kapsol' 'Polyglandin.'** Each product is equivalent to 5 grains of fresh mixed glands or one teaspoonful of the elixir.

*Dose—1 or 2 twice or thrice daily.*

In boxes of 20, 40 and 80 at 2/6, 4/6 and 8/6.

Also in boxes of 250 at 20/-

*For Hypodermic Injection:*

**'Azoule' 'Polyglandin.'** m. 15, equivalent to 10 grains of fresh glands.

*Dose—15 mins. daily or every two days.*

In boxes of 12 at 6/-

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