in July 1, 1978 until June 30, 1983.

uncovered by three brilliant scientists.

was then appointed Dean of the Medical Faculty of Karolinska Institutet, Stockholm, Sweden

was only after 20 years that the mysteries covering the new substance prostaglandin were

endoperoxides from which prostaglandins, prostacyclin and thromboxanes are derived.

Karolinska Institute to rejoin his former mentor Bergström, where he remained until 1966. He

not just by the prostate.

also discovered that prostaglandins are formed by the conversion of unsaturated fatty acids.

medical science in 1960 and his medical degree a year later. In 1961, he went back to

in dissolving blood clots.

and received his doctorates in medicine and biochemistry along with his M.D. two years later.

found that an enzyme called cyclo-oxygenase converts arachidonic acid to unstable cyclic

prostaglandins.

in the formation of leukotriene B4 and C4, respectively. Because of this discovery, they were

Significant implications in several clinical areas, particularly in thrombosis, inflammation and

prostaglandins are now currently used in the treatment of ulcers, alleviating pain from

menstruation and gallstones, and stimulating contractions for childbirth. Prostaglandins have

biologically active substances.

up a new arena of medical research and pharmaceutical applications. The research has

aspirin works by inhibiting the production of specific prostaglandins that causes inflammation.

Prostaglandins and Biologically Active Substances

It is also useful in keeping blood from clotting during surgeries. Leukotrienes are found to be

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The Discovery

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