v.R.L.: Certain serious earaches, abrupt deafness; certain allergic rhinitides; polypose naso-sinus and certain acute or chronic sinusitis.

Respiratory: Sarcoidosis, certain obstructive and chronic broncho-pneumonopathies, certain types of asthma.

Rhumatologic: Certain arthritis and polyarthritis and Horton maladies, radiculagies and certain non tumoral hypercalcemia.

These indications are those of the states of inflammations.

1.2. Corticoides and inflammation:

The powerful anti-inflammatoires proprietes of glucocorticoides or cortisonic have been prominently displayed thanks to a rheumatologist, PH Hench, who had remarked in the year 1938 of the favorable action of the gestations of the of the icterus on the polyarthritis rhumatoide. Ten years later, he had the idea of testing glucocorticoides provided by Kendall to treat with success 21 patients having polyarthritis rhumatoild.

1.2. CorticoYdes et inflation :

Les proprietes anti-inflawmatoires pUissantes des glucocorticoYdes ou cortisoniques ont ete mises en evidence grace a un rhumatologue, Ph. Hench, qui avait remarque des 1938 l'action favorable de 1a grossesse et des icteres sur la polyarthrite rhumato1de. Dix ans plus tard, il eut l'idee d'essayer les glucocorticoYdes fournis par Kendall pour traiter avec succ~s vingt-et-un patients atteints de po1yarthrite rhumatolde.

5i 1'hypothese de depart de Hench se revel a errounee : 1a remission de 1a polyarthrite rh~ato1de n'est pas due a 1a secretion naturelle de glucocorti­coYdes mais a des facteurs immunologiques, en revanche les puissances proprietes anti-inflammatoires des corcicoides se coniirmerent dans de nonoreux do~aines de 1a patnologie. Ces ~roprietes s'exercenc sur COllS les scades ue la reaccion inila~~acoire. y ~0~pris ~es p~ases les p~us iniciales.

Ve~uis les cravau~ ue ,JeissQan ec col. e~ *Ijb3,* qui recarquerenc l'innibicion par les cortisoniques de la liberation des euzymes lysosomiales, puis ceux de Gryglewski en 1~75, qui demontra que les cortisoniques inhibent la synthese des prostaglandines en bloquant la liberation de leur precurseur l'acide arachidonique a partir des phospholipides cembranaires, la comprehension des effets des cortisoniques sur l'inflammation s'est encore affinee. Des travaux recents (1) montrent que les cortisoniques agissent sur l'intlammation en induisant 13 synthese de proteines specitiques, les 1ipocortines. C'est principalement grace aces proteines, veri tables "second messagers" des cortisoniques, que les cortisoniques exerceraient leur action inflammatoire sur les membranes cel1ulaires.

If starting assumption of Hench reveles errors: the remission of the polyarthritis rheumatoid is not due to the natural secretion of glucocorticoides but has immunological factors, on the other hand the powerful anti-inflammatory proprietes drugs of the corticoides are confirmed in numerous domaines of pathology. These proprietes is exercised on all the phases of the inflammation reaction,which comprise of the more initial stages.

After the works of Jeissian and Col. In the year 19633, which remarks the inhibitions of the cortisone ,of the release of the enzymes lysosomials, then those of Gryglewski in 1975, which will demonstrate that the cortisonics inhibit the synthesis of prostaglandin by blocking the release of their precursor ,the acid arachidonic, from the membranary phospholipides, The comprehension of the effects of cortisonic on the inflammation is l unfinished.. Recent work (1) shows that the cortisonics act on the inflammation by inducing 13 synthesis of specific proteins, the lipocortines. It is mainly thanks to the proteins, veritable "second messengers" of the cortisonic which exercise their inflammatory actions on the cellular membranes.

1.3. Methylprednisolone and inflammation:

1.3.1. Pharmalogical recollection on Medrol

1.3.1.1. On the plan pharmacocinetic: The peak series obtained after ingestion of 24 Mg of Medrol is of 21 mcg/lOO ml. It is attained on average after two hours. The half-life is included/understood between 2,5 and 3,5 hours. The elimination is has a urinary time (30 % of the amount administered) and biliary.

1.3.1.2. Derived non fluroid delta methyle, the methylprednisolone presents different characteristic compared to 1a prednisolone, which is summarized in Table 1. The methylprednisolone has an anti-inflâmmatory capacity five times superior to that of hydrocortisone and includes a relatively weak retention soda. Its reducing effect on the axis corticotrope is a inferior to that of halogenous corticoides.

1.3.1.3. From the posology point of view, 0,8 Mg of methylprednisolone are equivalents to 1 Mg of prednisone or prednisolone. In the adult, the amount of attack is 0,4 to 0,3 mg/kg/day of methylprednisolone

1.3.2. The methylprednisolone is a corticoid adaptable.

To this date, the methylprednisolone, all confused presentations, has been implied in more than 10 000 publications. Some are works or checks, the whole of these studies of which methylprednisolone serves to demonstrate its effectiveness in the classically allowed indications of the corticotherapy

In this work, we will do the assessment indication by indication of the studies having entailed the oral methylprednisolone.

It is important to note that Medrol serves in studies done in more than 30 years. It goes to show that methodological qualities of some of them ( the most ancient generally) is insufficient with regard to the modern exigencies of needs of the market of an eventual “ new corticoid.

However the therapeutic recall acquired ,in 20 or 30 years, , makes of this corticoid an product of reference whose efficacy report /tolerance is perfectly known, and we have the privileged choice, in the summation table, either of the studies with a acceptable judged methology, or of the studies presenting a particular interest.

We equally insist on the pathologic situations in the which the posologies of the strong corticoid posologies are necessary for the repeated display of the numerous scoured tablets. In these indications , the Medrol, perfect corticoid adapted to the pathology and well tolerate, becomes less practical under the actual posological form of the tablets of 4 m

2. Review of the literary indication by indication..

1. Allergic Affections:

The regulation of corticoides in the allergic affections is a therapeutic attitude which has become traditional today, that is to say when the effectiveness of other treatments as the antihistamic is insufficient disclosed or when the severity of the clinical picture is primarily imposed.