

## Titre de la communication N°4 (anglais)

### Résumé anglais:

The purpose of this written work is to explain the choices of archwires in lingual orthodontics according to the treatment steps and to the suppliers.

In the first part, this work reminds us of the different alloys used in lingual orthodontics and of their specific properties.

The second part is devoted to the archwires' choice based on the treatment stages in standard orthodontics and on Incognito treatments.

In the second part, a chapter is devoted to the different choices offered by the main suppliers : Dentaaurun, AO France, Ormodent.

The autor concludes the work with a clinical example using the Incognito technique

## Titre de la communication N°5 (anglais)

« The evolution of orthodontic wire»

### Résumé anglais:

since the advent of orthodontics, the orthodontics treatments made use of wires which transmit corrective forces to teeth.

the steel utilized was stainless steel (inox 18/8) which is still the reference material for the contemporary orthodontics.

actually will be use a new generation of orthodontics wires known as form of memory nickel titanium.

the superelasticity, form properties of these alloys bring to these wires mechanical advantages.

the ensure more exact and efficient dental movement by delivering much lighter forces, more constant and that over a much longer

period than traditional alloys.

## Titre de la communication N°6 (anglais)

### Résumé anglais:

The bonding in lingual orthodontic is the first part of the treatment and will have consequences on all the others steps. Therefore it is very important not to neglect it.

In order to get under control the bonding, it is important to know the different adhesives we have at our disposal. Lots of progress have been made in this area over the past few years. The stages of the indirect bonding on enamel will be described step by step in order to use it in the most efficient way. The fact that the lingual

orthodontic is mainly used on adult patients means we will have to bond brackets on different substrats (gold, steel, amalgam, acrylic, porcelain, ceramic) in a very cautious way. This procedure poses certain technical problems for which adapted and specific technical protocols can provide solutions that we will describe. Finally, synthetic files we can use at the dentist's chair will sum up the clinical steps for all the protocols described above.

Keywords : bonding procedure/ orthodontic / lingual