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ABSTRACT

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Using of Gore Resolut membrane in 223 post-extraction Winsix implants
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In post-extraction implants the problem of dehiscences is a source of continuous clinical research. For this reason we have developed a surgical protocol where we have combined the use of membranes and a different surgical technique in implant insertion. We inserted 223 Winsix osseointegrated implants with a diameter from 3,8mm to 4,5mm and length from 11mm to 15mm. After 7 days from tooth extraction, surgical toilet and washing with Rifocin®, we inserted implants where the head has to be 1 mm under the residuary ridge and then we placed a non - resorbable membrane (Gore Resolut). Postoperatively we prescribed systemic antibiotics and a local mouthwash with Chlorhexidine 0,12% for 2 weeks plus Corsodyl® gel to massage the gingiva. After 4 - 6 months an X - ray control was performed by two different operators, then we reopened the flap to verify osseointegration. The results were verified through clinical examination, clinical photographs (Mellonig and Triplett 1993), Periotest and X - ray examination. We lost 2 fixtures from periimplantitis due to the load of temporary prostheses during the first 6 months and we lost 2 implants after functional loads. In 24 cases there was a membrane dehiscence solved without its displacement. After 12 months, with Periotest we noticed stability and then osseointegration in 98 % of cases, with an average between -8 and +9. On the X - ray bone resorption was not over 0,2 - 0,4mm on the distal and mesial site in 85 % of cases. With this surgical protocol we have verified that clinical and radiographic results in post-extraction implants are good making possible their use immediately after extraction.