

Management and protocols for oral surgical interventions in older patients

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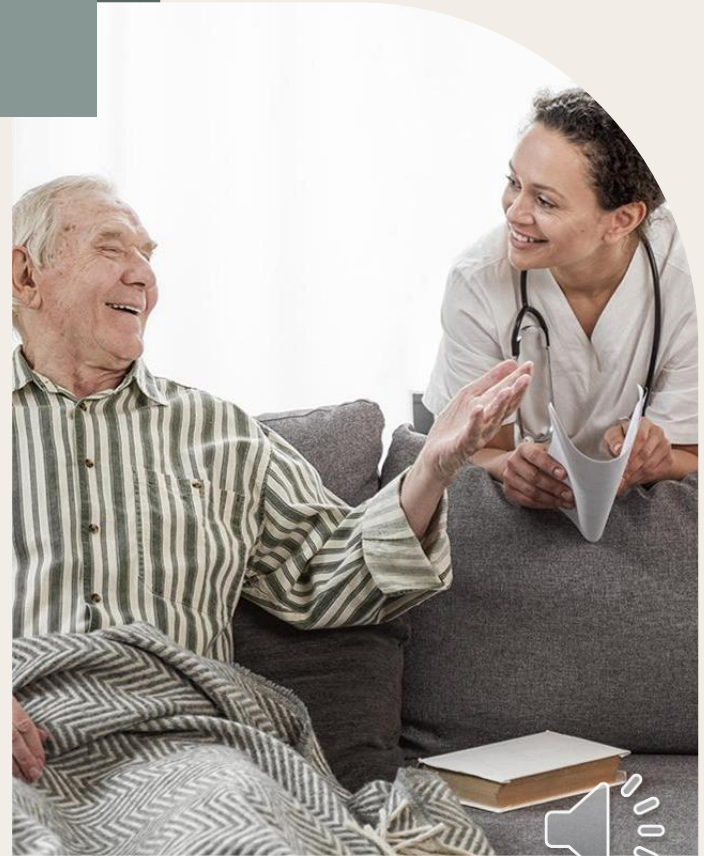
Background/Aim:

The main oral diseases and conditions impacting on older people are:

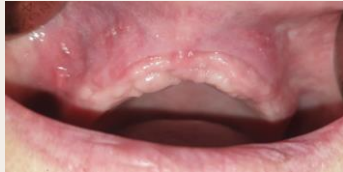
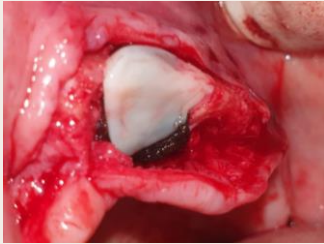
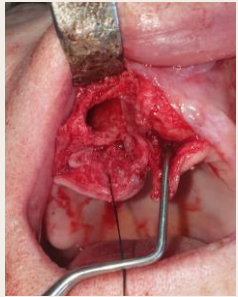
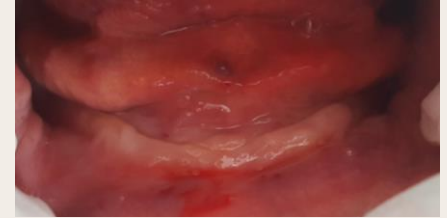
1. Dental caries (or tooth decay);
2. Periodontal disease (a group of inflammatory diseases of the gum, connective tissue and dental bone);
3. Tooth loss;
4. Xerostomia (dry mouth);
5. Oral precancer/cancer lesions.

Our aim was to explain clinical cases of patients:

- who are taking medication like bisphosphonate;
- patients with compromised oral health due to diabetes
- and patients suffering of ulcerations due to inadequate old total dentures .



Clinical cases:



Osteoporosis

71-year-old woman diagnosed with Dg. osteoporosis generalisata and treated with bisphosphonates (Tab. Ibandronic Acid, once a month) for a period of two years.

Diabetes mellitus

64-year-old woman diagnosed with Dg. Diabetes mellitus and treated with insulin.

Ulceration from older dentures





Conclusion:

Our choice for the application of PRF in older patients for management of oral surgical interventions was based on the benefits that PRF itself possesses:

- anti-inflammatory,
- anti-edematous and
- regenerative effects.



Namely, PRF is an addition to the natural wound healing process and has the following effects:

- the fibrin network is involved in cell migration, mainly of endothelial cells necessary for neo angiogenesis and vascularization;
- the healing process is further aided by the continuous release of various growth factors (PDGF, TGF- β , IGF-1 and the presence of leukocytes and various cytokines enables self-regulation of infectious and inflammatory processes.

