



# Dental Clinical Policy

<b>Subject: Biological Materials to Aid in Soft and Osseous Tissue Regeneration</b>	
<b>Guidelines #: 04-203</b>	<b>Publish Date: 01/01/2025</b>
<b>Status: Revised</b>	<b>Last Review Date: 09/13/2024</b>

## Description

This document addresses the biological materials to aid in soft and osseous tissue regeneration whether used alone or in conjunction with other procedures. The field of tissue engineering or regenerative medicine is a process by which damaged tissues are regenerated rather than using grafts (autografts, allografts) by developing biological substitutes that restore, maintain, or improve tissue function. In dentistry, adjunctive regenerative therapy utilizing biological materials can be used for the treatment of periodontal disease defects of natural teeth and dental implants.

## Criteria

When covered by specific group contract, indications for the use of biologic materials must be documented by:

1. Current (within 12 months), diagnostic quality, pretreatment periapical radiographic images.
2. Current (within 12 months), dated, post initial therapy 6-point periodontal charting indicating a minimum of 5mm pocket depths.
3. Rationale in support of the regeneration procedure and the type of material being used may be requested. For example, platelet rich plasma (PRP), Emdogain®, recombinant human bone morphogenic protein (rhBMP), GEM 21S®, etc.
4. The use of biological materials may not be considered when used in conjunction with soft tissue grafting, bone grafts, guided tissue regeneration, ridge augmentation, periradicular surgery; when placed within extraction sites; or when utilized with other regenerative materials.

## Coding

*The following codes for treatments and procedures applicable to this document are included below for informational purposes. Inclusion or exclusion of a procedure, diagnosis or device code(s) does not constitute or imply member coverage or provider reimbursement policy. Please refer to the member's contract benefits in effect at the time of service to determine coverage or non-coverage of these services as it applies to an individual member.*

### CDT

*Including, but not limited to, the following:*

D3431

Biological materials to aid in soft and osseous tissue regeneration in conjunction with periradicular surgery

D4265	Biologic materials to aid in soft and osseous tissue regeneration, per site
D4266	Guided tissue regeneration – resorbable barrier per site

**ICD-10 CM** Diagnoses for Dental Diseases and Conditions: See the current CDT code book for details

<p><b>References</b></p>
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13. Markous N, Pepelassi E, et al. The use of platelet-rich plasma combined with demineralized freeze-dried bone allograft in the treatment of periodontal endosseous defects. *J Amer Dent Assoc* 2010; 141:967-978.

History				
Revision History	Version	Date	Nature of Change	SME
	initial	02/08/2017	creation	Rosen
	Revision	02/06/2018	Related dental policies, appropriateness and medical necessity	M Kahn
	Revision	10/01/2020	Annual Review	Committee
	Revised	12/04/2020	Annual Review	Committee
	Revised	10/06/2021	Annual Review	Committee
	Revised	10/26/2022	Annual Review	Committee
	Revised	10/04/2023	Annual Review	Committee
	Revised	09/13/2024	Minor editorial refinements to description, clinical indications, and criteria; intent unchanged.	Committee

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