



2011

ACADEMY OF
DENTAL
MATERIALS

Annual Meeting



COSTA DO SAUIPE
BAHIA - BRASIL



October 13-15, 2011



Topic:

What is the future? **When** to market?
Where will the material be used?

Day 1. What are the materials and processes of the future?

Development of new materials and manufacturing processes, such as: Ceramics, GI modifications, composite color and appearance, digital processing...

Day 2. When is the appropriate time to market a dental material product?

What clinically-relevant test requirements should the material satisfy? Do we need to characterize material structure-property relationships for bringing a product to the market? Which biocompatibility tests are required (tissue culture, surveillance, safety, handling characteristics, usage tests...)?

Day 3. How should material optimization be established to ensure safe and effective products?

Evaluation of dental materials in clinical function: Clinical trials; structural integrity testing; simulation experiments (predictions of clinical performance of the systems) such as FEA; fatigue tests; wear tests; fractography; and chemical durability.

