International Oral Cancer Symposium: Biopsy Procedure

Arthi M. Kumar
Welcome to the Greater New York Dental Meeting

Greater New York Dental Meeting™
Executive Headquarters
200 West 41st Street, Ste. 1101, New York, NY 10036
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Sponsored by New York County & Second District Dental Societies

All programs and exhibits are held at the Jacob K. Javits Convention Center (unless otherwise indicated)
11th Avenue between 34th and 39th Street, New York City

General Registration Hours
Friday, November 29
12:00 Noon-4:30 P.M.
Saturday, November 30
8:00 A.M. - 4:30 P.M.
Sunday, December 1 - Tuesday, December 3
8:00 A.M. - 5:30 P.M.
Wednesday, December 4
8:00 A.M. - 4:30 P.M.

Exhibit Hall Hours
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Tickets
Tickets are required for all courses excluding Live Dentistry. Tickets for all functions can be purchased at all general registration booths located in the Registration Area on the Upper Level in the Crystal Palace and online.

6 Days of Education Seminars, Hands-on Workshops & Essays
Friday - Wednesday

4 Days of Exhibits
Sunday - Wednesday

FREE “Live” Dentistry
Hi-Tech 450 Seat Arena

Celebrity Luncheon Speaker
John Quiñones
Monday, December 2nd
12:00 - 2:00 - Ticket 4010
$125.00

5th Annual Global Orthodontic Conference

3rd Annual Pediatric Dentistry Summit

12th Annual INVISALIGN® - GNYDM EXPO
4 Days of Programming:
Sunday - Wednesday
Botox and Facial Fillers Seminar & Workshop
Over 1,700 Exhibit Booths

The GNYDM CE Passport Bundle

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The GNYDM CE Passport Bundle includes Seminar and Essay courses.
When purchasing a bundle, attendees can register for as many Seminars and Essay courses as they want during all six days of the show.
Registration for all courses is required.

$595.00
entitles an individual to take unlimited* seminars and essays

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Biopsy Procedure Outline

- Logistics of Biopsy Submission
- Pre-Biopsy Considerations
- Types of Biopsies
- Oral Biopsy Procedure
- Post-Op Considerations
- Conveying the Diagnosis
Logistics of Biopsy Submission

- Find an oral pathology lab in your state
- Obtain formalin bottles with requisition forms
- Consider specimen transportation (mail, courier)
- Medical insurance for lab and for procedure

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Pre-Biopsy Considerations

- Medical history
- Indications for biopsy
- Clinical features of lesion
- Differential diagnosis
- Informed consent
- Requisition form/bottle labelling

Medical History

- Heart issues (vitals)
- Blood dyscrasia
- Diabetes
- Immunocompromised state
- Medications (warfarin-INR)
- History of malignancy
- Habits such as smoking and alcohol consumption
Indications for Biopsy

- Lesion present for more than 2 weeks
- Persistent leukoplakia/erythroplakia
- Lesions that interfere with function
- Malignant characteristics
Clinical Features of Lesion

- Descriptive terms
- Location-anatomical structures (nerves, arteries, ducts)
- Ask patient re: etiology, duration, symptoms, changes
- Radiograph if needed
- Any previous diagnoses or therapeutic measures?
- Picture for documentation

Differential Diagnosis

“The process of differentiating between two or more conditions which share similar signs or symptoms.”
- Oxford Dictionary
Differential Diagnosis

Helps...

• Clinician accurately customize surgical plan
• Pathologist gain context for diagnosis

Informed Consent

• Confirm patient understands the risks and benefits of the procedure
• Obtain consent for the intraoral picture
• Esthetic concerns (lip vermillion, gingival margin)

Requisition Form/Bottle Labelling

• Accurate completion avoids delays
• Patient identifiers
• Specimen procurement location
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Types of Biopsies

- Periapical lesion associated with apical area
- Mucosal lesion (consider immunofluorescence)
- Submucosal lesion
- Excisional vs. incisional
- Suspected malignancy
- Intraosseous lesions (referral to oral surgeon)
Periapical Lesion

Mucosal Lesion

Mucosal Lesion
Add leukoplakia from tobacco pouch
Submucosal Lesion

Excisional vs. Incisional Biopsy

Suspected Malignancy
Intraosseous Lesions

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**Biopsy Definition**

Removal of a tissue sample from a living body with the objective of providing the pathologist with a representative sample for microscopic evaluation.

**Sequence of Steps**

- Armamentarium
- Anaesthesia
- Aspiration of lesion if suspect vascular lesion
- Scalpel biopsy vs punch vs laser/electrosurgery vs fine needle aspiration vs. cytology
- Tissue handling
- Orientation of the specimen
- Sutures

**Armamentarium**

![Image of surgical tools]
<table>
<thead>
<tr>
<th>Anaesthesia</th>
<th><img src="image1" alt="Image" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspiration</td>
<td><img src="image2" alt="Image" /></td>
</tr>
<tr>
<td>Scalpel Biopsy</td>
<td><img src="image3" alt="Image" /></td>
</tr>
</tbody>
</table>
Punch Biopsy

Tissue Handling

Orientation of the Specimen
Suture

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Post-Op Considerations
Post-Op Considerations

- Give standard post-op instructions
- Modify instructions as needed

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Conveying the Diagnosis
### Conveying the Diagnosis

- Provide a copy of report
- Explain diagnosis in lay terms
- Clearly explain “it’s not cancer”

### Acknowledgment

- Dr. Denise Trochesset
• Any questions?
• Email: kumara16@nyu.edu