**SURGICAL PATHOLOGY REPORT**

**Date of sample collection :** 28/07/2015

**Received on :** 28/07/2015

**Reported Date :** 29/07/2015

**Clinical Impression :**

Biopsy done outside - MDSCC

**Gross Description :**

Received for review are one slide and one block labelled

**Microscopic Description :**

Sections show fragments of tissue lined by non keratinised squamous epithelium which shows features of

carcinoma in situ with extension into the glands. There is invasion into the sub epithelial stroma in the form of

lobules, nests and trabeculae of pleomorphic squamous cells with foci of keratinisation and occassional keratin

pearls. The neoplasm is seen winding between seromucinous glands and extending lower down. PNI seen. ?

Suspicious LVI seen.There is pagetoid spread within normal appearing squamous lining.

**Impression :**

Slide review(site not specified) - Shows a Moderately differentiated squamous cell carcinoma

Kindly correlate clinically

**Radiology Report**

**Created Date:** 30/07/2015

**Study Done:**

**MDCT NECK AND CHEST CONTRAST**

A soft tissue density lesion measuring 1.4 x 1.5cm in the left sublingual space extending into the alveolus. There

is no significant soft tissue component.

No evidence of any calcifications/ necrosis within the lesion.

No bony erosion.

A few tiny subcentimetric nodes area seen in bilateral lower paratracheal level.

Both lung fields are normal with no evidence of any lung nodules.

No evidence of significant mediastinal nodes.

No evidence of pleural thicken/ nodules.

Visualized upper abdomen is normal.

Bones are normal.

**Impression:**

• **Soft tissue density lesion in left sublingual space as described**

**SURGICAL PATHOLOGY REPORT**

**Date of sample collection :** 07/08/2015

**Received on :** 07/08/2015

**Reported Date :** 25/08/2015

**Clinical Impression :**

Carcinoma floor of mouth

**Gross Description :**

Received in formalin are 16 specimens. The Ist specimen labelled "Additional lateral mucosal margin", consists

of mucosa covered tissue bit measuring 1.5x0.5x0.5cm. Entire specimen submitted in cassette A.

Specimen II labelled "Additional left lateral mucosal margin", conists of single piece of mucosa covered tissue

bit measuring 0.6x0.3x0.2cm. Entire specimen submitted in cassette B.

Specimen III labelled "Posterior mucosal margin", consists of single piece of mucosa tissue measuring

0.7x0.5x0.2cm. Entire specimen submitted in cassette C.

Specimen IV labelled "Level IA", consists of single pieceof fibrofatty tissue measuring 5x4x2cm. No lymph

nodes identified. Entire specimen submitted in cassettes D1 to D4.

Specimen V labelled "Left level I B", consists of single piece of fibrofatty tissue measuring 7x5x3cm. Cut

surface shows salivary gland tissue with ? 1 lymph node (0.3cm in greatest dimension). Entire specimen

submitted as follows:

E1 - ? lymph node

E2 - RTS from fibrofatty tissue

E3 - RTs from salivary gland tissue

Specimen VI labelled "Left level IIA", consists of fibrofatty tissue measuring 3.5x2.5x1.5cm. 2 lymph nodes

identified. Largest measuring 1.2cm. Entire specimen submitted in cassettes F1 to F4.

Specimen VII labelled "Left level II B", consists of single piece of fibrofatty tissue measuring 2x2x1cm. Cut

surface shows single lymph node measuring 2cm in greatest dimension. Entire specimen submitted in cassettes

G1 & G2.

Specimen VIII labelled "Left level III", consists of fibrofatty tissue measuring 3.5x2x2cm. Cut surface shows

single lymph node measuring 1cm in greatest dimension. Entire specimen submitted in cassettes H1 & H2.

Specimen IX labelled "Left level IV",consists of multiple fibrofatty tissue in aggregate measuring 2.5x2x0.5cm.

1 lymph node identified measuring 0.3cm. Entire specimen submitted in cassettes J1 to J3.

Specimen X labelled "right level IB", consists of single piece of fibrofatty tissue measuring 6x5x2cm. Cut

surface shows salivary glands tissue. No lymph node identified. Sections are submitted as follows:

K1 - Salivary gland

K2 to K4 - RTS from fibrofatty tissue.

Specimen XI labelled "Right level II A", consists of single nodular fibrofatty tissue measuring 3.5x3x1cm. Cut

surface shows 2 lymph nodes, largest measuring 1.5cm. Representative sections are submitted in cassettes L1

to L3.

Specimen XII labelled " right level II B", consists of single piece of fibrofatty measuring 1.5x1x0.3cm. No

lymph nodes identified. Entire specimen submitted in cassettes M1 & M2.

Specimen XIII labelled "Right level III", consists of single piece of fibrofatty tissue measuring 2.5x2x0.3cm.

Serially sections shows fibrofatty tissue only. Entire specimen submitted in cassettes N1 to N3.

Specimen XIV labelled "Right level IV", consists of single piece of fibrofatty tissue measuring 3x3x1cm.

Entire specimen submitted in cassettes P1 to P4.

Specimen XV labelled " right prefacial node", consists of 2 nodular piece of largest measuring 0.6cm. Entire

specimen submitted in one cassette Q.

Specimen XVI labelled "WLE FOM lesion specimen", consists of specimen measuring 4.5x2.9x1.6cm, shows

an ulceroproliferative lesion measuring 2.2x1.3x0.8cm. Portion of mandible attached measuring 3.5x0.6cm.

The lesion is 1.5cm from right lateral mucosa and soft tissue, 1cm from left lateral mucosa and soft tissue, 0.5cm

from anterior, 0.5cm from posterior, 1.2cm from deep inked margn. Representative sections are submitted as

follows:

R1 - Right lateral shaved margin mucosal and soft tissue margin

R2 - Left lateral mucosal and soft tissue shaved margin

R3 - Lesion with posterior margin

R4 - Lesion with deep inked margin

R5 - Lesion

R6-R11- bone

**Microscopic Description :**

Type of specimen : WLE right FOM lesion+marginal mandibulectomy

Histological type: Sections show mucosa with an ulcerated and infiltrating Moderate to poorly differentiated

Squamous cell carcinoma. Brisk mitoses, stromal desmoplasia, secondary chronic inflammation and foci of

necrosis are present.

Invasive front: Dis- Cohesive

Maximum tumor size: 2.2x1.3x0.8cm

Maximum depth of invasion: 0.7cm

Vascular invasion- Present (occasional)

Nerve invasion - Present

Skeletal muscle invasion - Present

Bone invasion- Absent

Margins: The tumor is 1.5cm from right lateral, 1cm from left lateral, 0.5cm from anterior, 0.5cm from posterior

and 1.2cm from deep margins.

Bone margins- negative for malignancy

"Addtional lateral mucosal margin, additional left lateral mucosal margin, posterior mucosal margin": Free of

tumor.

Lymph nodes:

"Level IA": Shows fibroadipose tissue, free of tumor.

"Left level IB": Shows salivary gland and no lymph nodes, free of tumor.

"Left level IIA": Six lymph nodes, free of tumor.

"Left level IIB": Three lymph nodes, free of tumor.

"Left level III": Three lymph nodes, free of tumor.

"Left level IV": One lymph node, free of tumor.

"Right level IB": One lymph node and salivary gland, free of tumor.

"Right level IIA": Five lymph nodes, free of tumor.

"Right level IIB": One lymph node, free of tumor.

"Right level III": Four lymph nodes, free of tumor.

"Right level IV": Two lymph nodes, free of tumor.

"Right prefacial node": One lymph node, free of tumor.

**Diagnosis :**

Type of specimen : WLE right FOM lesion+marginal mandibulectomy

Histological type: Squamous cell carcinoma

Differentiation : Moderate to Poor

Invasive front: Dis- Cohesive

Maximum tumor size: 2.2x1.3x0.8cm

Maximum depth of invasion: 0.7cm

Vascular invasion- Present (occasional)

Nerve invasion - Present

Skeletal muscle invasion - Present

Bone invasion- Absent

Margins: The tumor is 1.5cm from right lateral, 1cm from left lateral, 0.5cm from anterior, 0.5cm from posterior

and 1.2cm from deep margins.

Bone margins- negative for malignancy.

"Addtional lateral mucosal margin, additional left lateral mucosal margin, posterior mucosal margin": Free of

tumor.

Lymph nodes:

"Level IA": Shows fibroadipose tissue, free of tumor.

"Left level IB": Shows salivary gland and no lymph nodes, free of tumor.

"Left level IIA": Six lymph nodes, free of tumor.

"Left level IIB": Three lymph nodes, free of tumor.

"Left level III": Three lymph nodes, free of tumor.

"Left level IV": One lymph node, free of tumor.

"Right level IB": One lymph node and salivary gland, free of tumor.

"Right level IIA": Five lymph nodes, free of tumor.

"Right level IIB": One lymph node, free of tumor.

"Right level III": Four lymph nodes, free of tumor.

"Right level IV": Two lymph nodes, free of tumor.

"Right prefacial node": One lymph node, free of tumor.

pTNM stage: pT2N0

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| **Date of Admission :**05/08/2015 | **Date of Procedure :**06/08/2015 |

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| **Date of Discharge :**18/08/2015 |

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| **Discharging Status :**FOLLOW UP DISCHARGE SUMMARY |

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| **DIAGNOSIS :** |
| Carcinoma Floor of Mouth (final HPE awaited) |

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| **PROCEDURE DONE :** |
| Wide local excision of FOM lesion + marginal mandibulectomy + B/l SND(1 to 4) + Tracheostomy + Reconstruction with RAFF flap under GA on 07/08/15 |

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| **HISTORY :** |
| 71 year old male patient (c/o Dr Subhash- ESI Hospital) came with presenting c/o : left sided oral cavity lesion - since 3 months rapidly progressive in size |

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| **PAST HISTORY :** |
| Nil |

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| **PERSONAL HISTORY :** |
| Nil |

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| **FAMILY HISTORY :** |
| Nil |

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| **CLINICAL EXAMINATION :** |
| eft side FOM 3 x 3 cm lesion involving the opposite side as well as abutting the mandible , tender, indurated edentulous , using dentures tongue free and movement - normal neck -level 1b - 2 x 2 cm hard node present |

**INVESTIGATIONS :**

**Haemogram:**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **Hb: g/dl** | **PCV: %** | **PLT: ku/ml** | **TC: ku/ml** | **DC: N %** | **L: %** | **E: %** | **ESR: mm/1st hr** |
| 07/08/2015 | 10.4 | 30.2 | 171 | 8.2 | 82.5 | 10.3 | 0.2 | - |
| 08/08/2015 | 11.4 | 37.3 | 199 | 9.31 | 73.9 | 19.7 | .573 | - |
| 09/08/2015 | 11.1 | 36.3 | 202 | 10.5 | 75.4 | 18.6 | .541 | - |
| 10/08/2015 | 12.2 | 36.3 | 224 | 7.9 | 71.6 | 19.6 | 1.6 | - |
| 11/08/2015 | 12.4 | 37.0 | 241 | 7.3 | 78.5 | 17.5 | 0.0 | - |
| 13/08/2015 | 10.8 | 34.5 | 268 | 10.2 | 63.3 | 25.9 | 1.77 | - |

**Renal Function Test and Serum Electrolytes:**

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| --- | --- | --- | --- | --- |
| **Date:** | **Urea: mg/dl** | **Creatinine: mg/dl** | **Na+: mEq/L** | **K+: mEq/L** |
| 06/08/2015 | - | - | 133.3 | 3.7 |
| 07/08/2015 | - | - | 135.9 | 3.7 |
| 09/08/2015 | 23.6 | 1.14 | 134.1 | 4.5 |
| 15/08/2015 | - | - | 132.1 | 4.0 |

Date: 15/08/2015

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| Phosphorus inorganic (phosphate)Serum : 2.85 mg/dl | Magnesium : 2.3 mg/dl |

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| Calcium; total - Serum : 8.7 mg/dl |  |

Date: 13/08/2015

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| RBC-COUNT-Blood : 4.06 M/uL | MCV-Blood : 85.0 fL |

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| MCH-Blood : 26.5 pg | MCHC-Blood : 31.1 g/dl |

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| RDW-Blood : 12.0 % | MPV-Blood : 7.12 fL |

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| MONO -Blood : 7.93 % | BASO-Blood : 1.19 % |

Date: 11/08/2015

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| RBC-COUNT-Blood : 4.18 M/uL | MCV-Blood : 88.4 fL |

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| MCH-Blood : 29.6 pg | MCHC-Blood : 33.6 g/dl |

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| --- | --- |
| RDW-Blood : 14.4 % | MPV-Blood : 8.7 fL |

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| MONO -Blood : 3.7 % | BASO-Blood : 0.3 % |

Date: 10/08/2015

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| RBC-COUNT-Blood : 4.16 M/uL | MCV-Blood : 87.4 fL |

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| MCH-Blood : 29.4 pg | MCHC-Blood : 33.6 g/dl |

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| RDW-Blood : 14.7 % | MPV-Blood : 8.4 fL |

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| MONO -Blood : 6.9 % | BASO-Blood : 0.3 % |

Date: 09/08/2015

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| RBC-COUNT-Blood : 4.24 M/uL | MCV-Blood : 85.7 fL |

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| MCH-Blood : 26.1 pg | MCHC-Blood : 30.4 g/dl |

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| RDW-Blood : 12.0 % | MPV-Blood : 7.56 fL |

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| MONO -Blood : 5.17 % | BASO-Blood : .282 % |

Date: 08/08/2015

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| RBC-COUNT-Blood : 4.34 M/uL | MCV-Blood : 85.8 fL |

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| MCH-Blood : 26.1 pg | MCHC-Blood : 30.5 g/dl |

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| RDW-Blood : 12.1 % | MPV-Blood : 7.82 fL |

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| MONO -Blood : 5.35 % | BASO-Blood : .486 % |

Date: 07/08/2015

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| HB A1C[Glycated Hemoglobin]Whole Blood : 9.7 % | Troponin I : 0.002 ng/ml |

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| RBC-COUNT-Blood : 3.46 M/uL | MCV-Blood : 87.3 fL |

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| MCH-Blood : 29.9 pg | MCHC-Blood : 34.3 g/dl |

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| --- | --- |
| RDW-Blood : 14.1 % | MPV-Blood : 8.3 fL |

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| MONO -Blood : 7.0 % | BASO-Blood : 0.0 % |

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| Troponin I : 0.005 ng/ml | RBC-COUNT-Blood : 2.46 M/uL |

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| MCV-Blood : 88.3 fL | MCH-Blood : 29.5 pg |

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| MCHC-Blood : 33.5 g/dl | RDW-Blood : 13.9 % |

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| MPV-Blood : 7.3 fL | MONO -Blood : 6.5 % |

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| BASO-Blood : 0.1 % |  |

Date: 06/08/2015

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| Glucose [F]-Plasma : 362.1 mg/dl |  |

Date: 05/08/2015

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| Compatibility test; cross match complete (3 tests) : Compatible |  |

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| **COURSE IN THE HOSPITAL AND DISCUSSION :** |
| Patient underwent wide local excision of FOM lesion + marginal mandibulectomy + B/l SND(1 to 4) + Tracheostomy + Reconstruction with RAFF flap under GA on 07/08/2015 after pre-anaesthetic evaluation. Post operatively patient was comfortable, and was ambulated, drains and sutures removed, decannulated and started on oral feeds. Patient is now comfortable and taking orally, fit for discharge. |

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| **OPERATIVE FINDINGS :** |
| Surgery: Wide local excision of FOM lesion + marginal mandibulectomy + B/l SND(1 to 4) + Tracheostomy + Reconstruction with RAFF flap under GA . findings: Left side - FOM - 3 x 2 cm lesion. Procedure : Under aseptic precaution, pt painted and drapped. Per orally, Wide local excision ofLeft FOM lesion performed along with adequate margins, marginal mandibulectomy performed intoto with the specimen , specimen oriented and sent for HPR. Horizontal Neck crease incision given and sub platysmal skin flaps raised and fixed with stay sutures. Clearance of level 1A done. Right Marginal mandibular nerve identified and dissected. Submandibular triangle clearance done after identifying facial vessels. Facial vessels dissected out from submandibular gland and preserved. Medial end of SCM identified and muscle separated exposing internal jugular vein. In level II spinal accessory nerve identified and separated. Level II B cleared. Next level IIA, III and IV cleared of lymph nodes and fibro fatty tissue. Left Marginal mandibular nerve identified and dissected. Submandibular triangle clearance done after identifying facial vessels. Facial vessels dissected out from submandibular gland and preserved. Medial end of SCM identified and muscle separated exposing internal jugular vein. In level II spinal accessory nerve identified and separated. Level II B cleared. Next level IIA, III and IV cleared of lymph nodes and fibro fatty tissue. Hemostasis secured after Valsalva maneuver.Drains palced. Reconstruction notes separate. Tracheostomy done Post procedure uneventful. |

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| **PROGNOSIS ON DISCHARGE :** |
| Fair |

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| **ADVICE ON DISCHARGE :** |
| Normal high protein diet Inj HUMAN ACTRAPID 12-10-8 U S/C 30 mins before food x daily Inj LANTUS 0-0-10 S/C at 10 pm x daily Tab DOLO 650 mg SOS Mouthwash HEXIDINE 1 cap second hourly x daily Syp CREMAFFIN PLUS 15 ml at bedtine x 5 days Tab ZOLPIDEM 5 mg at bedtime x 2 days Review in OPD with HPE report |

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| **WHEN TO OBTAIN URGENT CARE:** |
| Bleeding Breathing difficulty |

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| **DIET RECOMMENDATIONS :** |
| High protein |

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| **PHYSICAL ACTIVITY :** |
| Normal |

07/2015

**Relevant clinical details :**

left side FOM 3 x 3 cm lesion involving the opposite side as well as abutting the mandible , tender, indurated

edentulous , using dentures

tongue free and movement - normal

neck -level 1b - 2 x 2 cm hard node present

**Histology (include histology done / reviewed elsewhere) :**

Biopsy (outside) - MDSCC

**Other relevant investigations (including metastatic workup) :**

MDCT asked for - report awaited

**Agreed Plan of management :**

WLE + marginal mandibulectomy + STF + B/L SND

although edentulous , the height of the mandible is ok for a marginal mandibulectomy

**Recommendations :**

radiology - the lesion is abutting the mandible

**Head and Neck Operative notes**

**Date : 07/08/2015**

**ProgressNotes :**

Diagnosis: Carcinoma Floor of Mouth

Surgery: Wide local excision of FOM lesion + marginal mandibulectomy + B/l SND(1 to 4) + Tracheostomy

+ Reconstruction with RAFF flap under GA .

findings: Left side - FOM - 3 x 2 cm lesion.

Procedure :

Under aseptic precaution, pt painted and drapped. Per orally, Wide local excision ofLeft FOM lesion

performed along with adequate margins, marginal mandibulectomy performed intoto with the specimen ,

specimen oriented and sent for HPR.

Horizontal Neck crease incision given and sub platysmal skin flaps raised and fixed with stay sutures.

Clearance of level 1A done. Right Marginal mandibular nerve identified and dissected. Submandibular triangle

clearance done after identifying facial vessels. Facial vessels dissected out from submandibular gland and

preserved. Medial end of SCM identified and muscle separated exposing internal jugular vein. In level II spinal

accessory nerve identified and separated. Level II B cleared. Next level IIA, III and IV cleared of lymph nodes

and fibro fatty tissue. Left Marginal mandibular nerve identified and dissected. Submandibular triangle

clearance done after identifying facial vessels. Facial vessels dissected out from submandibular gland and

preserved. Medial end of SCM identified and muscle separated exposing internal jugular vein. In level II spinal

accessory nerve identified and separated. Level II B cleared. Next level IIA, III and IV cleared of lymph nodes

and fibro fatty tissue. Hemostasis secured after Valsalva maneuver.Drains palced.

Reconstruction notes separate.

Tracheostomy done

Post procedure uneventful.

**Progress Notes**

**Date : 12/08/2016**

**ProgressNotes :**

Carcinoma Floor of Mouth . underwent, Wide local excision of FOM lesion + marginal mandibulectomy + B/l

SND(1 to 4) + Tracheostomy + Reconstruction with RAFF flap under GA on 07/08/15. HPR: pT2N0M0

Came for routine follow-up

O/E:

OC/OP: Clear

ADV: Reassured

R/A 3 months