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| **RADIOLOGY REPORT** |

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| |  | | --- | | **Study Done:**  **ULTRASOUND NECK**  Thyroid bed appear clear.No focal nodules seen. Suspicious nodes seen in left level II ,III,IV  measuring 12 x 6 mm ( II),9 x5 mm(III) , 6 x3  (V).- needs follow up | |

**SURGICAL PATHOLOGY REPORT**

**Date of sample collection :** 24/12/2020

**Received on :** 24/12/2020

**Reported Date :** 29/12/2020

**Clinical Impression :**

K/C/O left carcinoma tongue

**Gross Description :**

Received in formalin are 9 specimens.

A) The Ist specimen labelled " WLE carcinoma tongue anterior short superior"consists of mucosa covered tissue

whole measuring 3.3(AP)x2.6(SI)x1.6(ML)cm. Overlying mucosa shows a ulceroproliferative lesion measuring

1.3x1.3x0.4cm.Depth of invasion 0.2cm.The lesion is 1cm from anterior mucosal and soft tissue margin, 1.5cm

from superomedial mucosal and soft tissue margin,1cm from inferolateral mucosal and soft tissue margin, 1cm

from the posterior mucosal and soft tissue margin, 0.5cm from the deep margin. A leukoplakic patch measuring

0.2cm in greatest dimension is seen 0.6cm away from lesion I in the posterior inferolateral area. This lesion is

0.3cm from the posterior mucosal and soft tissue margin and 0.4cm from inferolateral mucosal and soft tissue

margin.Representative sections are submitted as follows :

A1 -Lesion with maximum depth of invasion deep inked margin and superomedial mucosal and soft tissue

margin

A2 -Medial deep inked margin and infero lateral mucosal and soft tissue margin

A3-Posterior soft tissue and mucosal margin (radial)

A4 - slice between lesion 1 and leukoplakic patch

A5-Leukoplakic patch with posterior mucosal and soft tissue margin

A6-Anterior mucosal and soft tissue margin radial

A7to A9 - Lesion.

B) Specimen II labelled "Additional inferior mucosal margin floor of mouth" consists of mucosa covered grey

white tissue bit measuring 1.3x0.2x0.3cm.Entire specimen submitted in cassette B.

C) Specimen III labelled "Level I A" consists of nodularfibrofatty tissue measuring 3x2.5x0.8cm.2 lymph nodes

identified largest measuring 0.8x0.9x0.1cm.Small measuring 0.5x0.1x0.1cm.Entire specimen submitted in

cassettes C1 to C3.

D) Specimen IV labelled "left level I B" consists of multiple nodular fibrofatty tissue aggregate measuring

4.5x4x1cm. 11 lymph nodes identified,largest measuring 2x1.5x0.2cm. Smallest measuring

0.5x0.2x0.2cm.Entire specimen submitted in cassettes D1 to D8.

E) Specimen V labelled "Left level II A" consists of nodular fibrofatty tissue measuring 5.5x2.5x1cm. 8 lymph

nodes identified, largest measuring 2.5x1x0.4cm.Smaller measuring 0.5x0.2x0.2cm.Entire specimen submitted

in cassettes E1 to E8.

F)Specimen VI labelled "Left level II B" consists of nodular fibrofatty tissue measuring 3x2x0.5cm.2 lymph

nodes identified,largest measuring 2x1.5x0.5cm. Smallest measuring 1x0.4x0.4cm. Entire specimen submitted in

cassettes F1 to F3.

G) Specimen VII labelled " Left level III" consists of 2 nodular fibrofatty tissue measuring 4x3.5x1cm.3 lymph

nodes identified, larger measuring 2.5x1.2x0.3cm.Smallest measuring 0.5x0.2x0.2cm. Entire specimen submitted

in cassettes G1 to G5.

H) Specimen VIII labelled " Left level IV" consists of nodular fibrofatty tissue measuring 4x3.5x1cm. 4 lymph

nodes identified, largest measuring 2x1.2x0.4cm. smallest measuring 1x0.2x0.2cm.Entire specimen submitted in

cassettes H1 & H2.

J) Specimen IX labelled "Left EJV node" consists of nodular fibrofatty tissue measuring 2x1.5x0.2cm. 1 lymph

nodes identified measuring 0.5cm in greatest dimension. Entire specimen submitted in cassettes J1 & J2.

**Microscopic Description :**

Sections studied from tongue shows an infiltrative neoplasm arising from the lining epithelium infiltrating as

sheets,lobules and occasional trabeculae. Neoplastic cells are polygonal, abundant eosinophilic cytoplasm,

pleomorphic oval vesicular nuclei, conspicous nucleoli.Keratin pearl seen.Surface lining show ulceration.

Stroma as well as interface show dense lymphoplasmacytic and neutrophilic infiltrate with giant cells. Tumour

is seen infiltrating into the underlying muscle fibres. No LVI /PNI. No necrosis / haemorrhage. All mucosal and

soft tissue margins are free of tumour .Deep inked margin shows clearance of 0.5cm.Leukoplakic patch is

showing low grade dysplasia and is 5mm from posterior mucosal and soft tissue margin.

B) Additional inferior mucosal margin floor or mouth-Free of tumour

C) Level I A lymph nodes- No lymph nodes identified, adipose tissue free of tumour

D) Left level I B - Salivary gland tissue seen, free of tumour

E) Left level II A - 14 lymph nodes seen, free of tumour

F)Left level II B- 5 lymph nodes seen, free of tumour

G) Left level III - 2 lymph nodes seen, free of tumour

H) Left level IV -5 lymph nodes seen, free of tumour

J) Left EJV node - No lymph nodes seen , adipose tissue free of tumour.

**Impression :**

WLE left lateral tongue and additional margins and lymph nodes :

- Well differentiated squamous cell carcinoma

- Tumour size - 1.3x1.3x0.4cm.

- Depth of invasion - 0.4cm

- WPOI - Score 0 (pattern 3)

- LHR -score 0

- PNI - Absent

- Risk group -Low

- Skeletal muscle invasion seen

- LVE -Absent

- Margins -All mucosal and soft tissue margins are free

- Additional inferior mucosal margin floor of mouth-Free of tumour

AJCC stage pT1N0

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| **Date of Admission :**22/12/2020 | **Date of Procedure :**24/12/2020 |

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| **Date of Discharge :**28/12/2020 |

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

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| **DIAGNOSIS :** |
| Carcinoma Left Tongue cT1N0M0 |

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| **PROCEDURE DONE :** |
| WLE + Left SND (levels I-IV) under GA done on 24.12.2020 [Hea dneck Major Resection + Neck Dissection Simple] |

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| **HISTORY :** |
| 67 YR female, Referred by Dr Jayakumar Menon c/o Left Tongue non-healing ulcer - 2months Not asso.with pain/Neck swelling no h/o Bleeding/hemoptysis/Bone pain |

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| **PAST HISTORY :** |
| COVID-19 +VE on23-11-2020, Treated in Govt. Hospital, Negative on 11-12-2020 Hysterectomy 15 years back under GA- no complications Total thyroidectomy under GA- 10 years back- no complications PPS under SA- 40 years back- no complications Systemic HTN since 12 years on medicines T2DM since 8 years on Insulin Actrapid 14-10-12U DLP since 8 years on Statins No h/o Asthma/ TB/Seizures/ CAD / CVA Good effort tolerance |

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| **CLINICAL EXAMINATION :** |
| o/e; KPS-90 O/C,OPx: 1X1cm Ulcerative lesion involving the left lateral border tongue, ~2.5cm away from tip. Lesion not crossing tip. FOM/BOT/TLS free Neck; No nodes palpable |

**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** |
| 22/12/2020 | 12.4 | 39.0 | 241 | 7.65 | 51.8 | 39.0 | 1.7 | - |

**Renal Function Test and Serum Electrolytes:**

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| **Date:** | **Urea: mg/dl** | **Creatinine: mg/dl** | **Na+: mEq/L** | **K+: mEq/L** |
| 22/12/2020 | 36.1 | 0.76 | - | - |
| 23/12/2020 | - | - | 142.9 | 3.7 |
| 24/12/2020 | - | - | 143.6 | 3.5 |

Date: 24/12/2020

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| Glucose [F]-Plasma : 122.1 mg/dl |  |

Date: 23/12/2020

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| Compatibility test; cross match complete (3 tests) : Compatible | Blood typing; ABO and RhD : O Rh D Positive |

Date: 22/12/2020

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| Blood typing; ABO and RhD : O Rh D Positive | PT[Prothrombin Time with INR]-Plasma : 12.50/14.0/0.87 sec |

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| T4 [Thyroxine] free-Serum : 1.97 ng/dl | TSH [Thyroid Stimulating Hormo-Serum : 0.29 uIU/ml |

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| RBC-COUNT-Blood : 4.69 M/uL | MCV-Blood : 83.2 fL |

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| MCH-Blood : 26.4 pg | MCHC-Blood : 31.8 g/dl |

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| RDW-Blood : 14.3 % | MPV-Blood : 9.7 fL |

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| MONO -Blood : 7.2 % | BASO-Blood : 0.3 % |

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| HBs Ag Test - Emergency Screen : 0.18 : Non reactive | Anti HCV - Emergency Screen : 0.78 : Non reactive |

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| HIV - Emergency Screen(P24 Ag and HIV 1 and 2 Ab) : 0.09 : Non reactive |  |

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| USG: Thyroid bed appear clear.No focal nodules seen. Suspicious nodes seen in left level II ,III,IV measuring 12 x 6 mm ( II),9 x5 mm(III) , 6 x3 (V).- needs follow up Biopsy(RCC): Moderate to Well SCC |

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| **COURSE IN THE HOSPITAL AND DISCUSSION :** |
| The patient was admitted with above mentioned complaints. She underwent WLE + Left SND (levels I-IV) under GA on 24.12.2020. Her intra and post operative period was uneventful. Endocrinology consult was sought for glycemic control and thyronorm dose titration and their advice was followed. Her RT was removed on POD 2. Her neck drain was removed on POD 4. At the time of discharge, patient is stable, afebrile and taking well orally. |

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| **OPERATIVE FINDINGS :** |
| Diagnosis: Carcinoma Left Tongue cT1N0M0 Procedure: WLE + Left SND (levels I-IV) under GA done on 24.12.2020 Findings: 1x1cm ulcer over left lateral border of tongue. multiple enlarged nodes in left IB, IIA, IIB, IV. Under GA, via nasotracheal intubation, position given, parts painted and draped. WLE done keeping adequate margins in all 3 dimensions. Defect size 4x3cm. Decision taken to close the wound primarily. Wound closed using 3-0 vicryl. Hemostasis achieved. Horizontal skin crease incision made. Subplatysmal flaps elevated. Fibrofatty tissue cleared from levels I-IV. SAN, SCM, IJV preserved. Romovac suction drain no 14 secured in situ. Hemostasis achieved. Wound closed in layers using 3-0 vicryl and 4-0 monocryl. Procedure uneventful. Patient shifted to recovery in stable condition. |

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| **ADVICE ON DISCHARGE :** |
| Oral Care Wound Care |

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| **WHEN TO OBTAIN URGENT CARE:** |
| In case of bleeding/infection/fever |

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| **DIET RECOMMENDATIONS :** |
| Soft Oral Diet |

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| **PHYSICAL ACTIVITY :** |
| As tolerated |

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| **DISCHARGE MEDICATION :** |
| \*All current medication have been reviewed and reconciled into the medication list. Tab Ciplox 500mg 1-0-1 x 3 days Tab Pan 40mg 1-0-0 x 3 days Tab PCM 650mg 1-1-1 x 3 days, sos hence Chlorhexidine mouth gargles 1-1-1 x 7 days To continue: T. Clinidipine 1-0-1 T. Metosartan 50/40mg 1-0-1 T. Atorvastatin + calcium + clopidogrel 75mg 0-0-1 Inj. Insulin Actrapid 14-10-12U Tab Thyronorm 75mcg alternating with 100mcg OD |

**HEAD AND NECK - TUMOUR BOARD**

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| **Descriptive History and Examination:**  67 YR female with h/o HTN and T2DM, (COVID-19 +VE on23-11-2020, Treated in Govt. Hospital, Negative on 11-12-2020) c/o Left Tongue non-healing ulcer - 2months Not asso.with pain/Neck swelling no h/o Bleeding/hemoptysis/Bone pain   |  |  |  |  | | --- | --- | --- | --- | |  | **Others:**  o/e; KPS-90 O/C,OPx: 1X1cm Ulcerative lesion involving the left lateral border tongue, ~2.5cm away from tip. Lesion not crossing tip. FOM/BOT/TLS free Neck; No nodes palpable  **Primary:**  Biopsy(RCC): Moderate to Well SCC   |  |  | | --- | --- | | **Descriptive Plan:**  Impression: Carcinoma Left tongue cT1N0M0 with HTN/T2DM COVID-19 Pneumonia treated USG Neck WLE + ND WLE + Left SND (levels I-IV) under GA done on 24.12.2020 | **Histopathology Descriptive Plan:**  WLE left lateral tongue and additional margins and lymph nodes : - Well differentiated squamous cell carcinoma - Tumour size - 1.3x1.3x0.4cm. - Depth of invasion - 0.4cm - WPOI - Score 0 (pattern 3) - LHR -score 0 - PNI - Absent - Risk group -Low Skeletal muscle invasion seen - LVE -Absent - Margins -All mucosal and soft tissue margins are free - Additional inferior mucosal margin floor of mouth-Free of tumour AJCC stage pT1N0 Plan: Observation | | |  |  |   **Progress Notes**  **Date : 21/12/2020**  **ProgressNotes :**  67 YR female with h/o HTN and T2DM and Hypothyroidism  (COVID-19 +VE on23-11-2020, Treated in Govt. Hospital, Negative on 11-12-2020)  c/o Left Tongue non-healing ulcer - 2months  Not asso.with pain/Neck swelling  no h/o Bleeding/hemoptysis/Bone pain  s/p total thyroidectomy - on Thyronorm 100mcg  o/e;  KPS-90  O/C,OPx:  1X1cm Ulcerative lesion involving the left lateral border tongue, ~2.5cm away from tip.  Lesion not crossing tip. FOM/BOT/TLS free  Neck;  No nodes palpable  Biopsy(RCC):  Moderate to Well SCC  Impression:  Carcinoma Left tongue cT1N0M0 with HTN/T2DM  COVID-19 Pneumonia treated  Plan;  WLE + Left SND under Ga  USG Neck for lymph nodes - VERY SUPERFICIAL Lesion  Advise:  Scan Bx report and COVID-19 Certificate  PAC  PAC Ix  HbA1C Levels and 2DECHO  **Progress Notes**  **Date : 12/03/2021**  **ProgressNotes :**  DIAGNOSIS : Carcinoma Left Tongue cT1N0M0  PROCEDURE DONE : WLE + Left SND (levels I-IV) under GA done on 24.12.2020  HPER: WLE left lateral tongue and additional margins and lymph nodes : - Well differentiated squamous cell  carcinoma - Tumour size - 1.3x1.3x0.4cm. - Depth of invasion - 0.4cm - WPOI - Score 0 (pattern 3) - LHR  -score 0 - PNI - Absent - Risk group -Low - Skeletal muscle invasion seen - LVE -Absent - Margins -All  mucosal and soft tissue margins are free - Additional inferior mucosal margin floor of mouth-Free of tumour  AJCC stage pT1N0  plan: observation  came for review  c/o left sided neck pain  o/e- tongue- healthy  Adv-Physiotherapy for left shoulder dysfunction |
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