*ADD HEADING*

**SCAN REPORT**

| **PATIENT NAME:HARIHARAN NANDAN 84Y M [OPG 3D CBCT VOL OF 46REG] IMPLANT^DR. VIJAYA JEEVAN**  **AGE/GENDER:0 / M** | **AREA AND TYPE OF STUDY : Lower left second molar** | **Date: 2023-10-28** |
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| **Referred By:00** | **Resolution : 100 microns** | **Exposure Parameters: 94 KV , 8.00 ma** |

**Axial, sagittal and coronal sections were obtained, and lateral sections along the arch were made and assessed to make the following report…**

**Findings:**

***Canals traced:***

***Posterior superior alveolar canal in the left posterior maxilla in the lateral walls of maxillary sinuses parallel to the floor.***

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**DIMENSIONS OF BONE IN 17 to 27 REGION:**

* Slice number 47 to 73 distomesially represents right molar region,
* Slice number 74 to 83 distomesially represents right premolar region,
* Slice number 84 to 9 distomesially/ mesiodistally represents anterior (canine to canine) region,
* Slice number 10 to 19 mesiodistally represents left premolar region,
* Slice number 20 to 46 mesiodistally represents left molar region.

All the sections and measurements are made 1 mm apart from each other**.**

| **22 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **22 REGION**  **[slice 1 to 4]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

| **23 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **23 REGION**  **[slice 5 to 9]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

| **24 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **24 REGION**  **[slice 10 to 14]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

| **25 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **25 REGION**  **[slice 15 to 19]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

| **26 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **26 REGION**  **[slice 20 to 28]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

| **27 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **27 REGION**  **[slice 29 to 37]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

| **28 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **28 REGION**  **[slice 38 to 46]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

| **18 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **18 REGION**  **[slice 47 to 55]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

| **17 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **17 REGION**  **[slice 56 to 64]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

| **16 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **16 REGION**  **[slice 65 to 73]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

| **15 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **15 REGION**  **[slice 93 to 96]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

| **14 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **14 REGION**  **[slice 89 to 92]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

| **13 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **13 REGION**  **[slice 84 to 88]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

| **12 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **12 REGION**  **[slice 79 to 83]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

| **11 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **11 REGION**  **[slice 74 to 78]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

| **21 REGIONS** | | |
| --- | --- | --- |
| **Length varies from**  **The height of the bone is measured from the crest to the mandibular canal.** | **Buccolingual width at 2mm, 6mm and 10mms from the crest.**  **The buccolingual width is measured from the buccal cortical plate to the lingual cortical plate at 2, 6 10mms from the crest.** | **Bone quality** |
| **21 REGION**  **[slice 65 to 73]** | ***Crestal bone: is thick, round and well formed.***  ***Buccal bone: is thin/thick and intact.***  ***Lingual bone: is thin/thick and intact.***  ***Cancellous bone: shows moderately dense/fine trabecular pattern.***  ***D1***  ***D2***  ***D3*** |  |
| 00mm to 00mm | **At 2mm: 0mm to 0mm**  **6mm: 0mm to 00mm**  **10mm: 0mm to 00mm** |  |
| ***The length is around 00mm from the crest to the incisive branch and is 00mm from the crest to the lower border of the mandible/mandibular canal.***  ***Shows good/ moderate/ deficient/ severely deficient bone length.***  ***We could see incisive branch in this region which is traced measured.***  ***The ridge is straight/slopes towards buccal/lingual aspect and shows no undercut.*** | ***The width is around 0mm close to the crest and this gradually increases as we go apically.***  ***Shows good/ moderate/ deficient/ severely deficient buccolingual width.*** |  |

¬ There is no evidence of bony pathology.

¬ The mesiodistal distance between 00 and 00 are 00mm, 00mm and 00mm at the level of CROWN, CEJ and MIDDLE 3RD of root respectively.

**Radiologic impression:**

¬ Completely/Partially edentulous mandible.

¬ Chronic generalized/localized periodontitis.

¬ Deficient/Sufficient bone dimension and good quality of bone of implant placement.

| **VIRTUAL IMPLANT** |
| --- |
| A virtual implant is placed from Nobel Biocare company based on the length and width of the bone available, this is just to give an idea and should not be consider final. |

VIRTUAL IMPLANTSLENGTHHEAD DIAMETERAPICAL DIAMETERANY REMARKSV1V2

**DISCLAIMER:**

***The radiographic findings must be correlated with clinical findings and appropriate diagnostic tests. This is a consultative report only and is not intended to be a definitive diagnosis or treatment plan. Above report cannot be used for medico-legal purpose.***

***Thank you for the referral of this patient and the opportunity to serve your practice.***