

1
00:00:04.090 --> 00:00:08.880
Alright, so now your alveoplasty is done and you're at the bone level that you want.

2
00:00:09.850 --> 00:00:12.780
Alright, so you've got a big ol' flap and you've got your alveoplasty done.

3
00:00:13.430 --> 00:00:18.600
And so now the next step is to find the spots where you're going to place the implants.

4
00:00:19.090 --> 00:00:25.600
So, the easiest way to do this, in my opinion, is to start with the anterior tube.

5
00:00:26.070 --> 00:00:28.500
So there's a couple different camps on doing this.

6
00:00:28.870 --> 00:00:31.940
There's people that like to do the anterior tube and others that like to do

7
00:00:31.950 --> 00:00:32.900
the posterior tube.

8
00:00:32.910 --> 00:00:35.700
I think the easiest way, if you're

9
00:00:35.710 --> 00:00:39.100
getting started, and actually this is the way that I do it, is to start with the

10
00:00:39.110 --> 00:00:39.840
anterior tube.

11
00:00:40.510 --> 00:00:43.360
Now the reason I like to do that is

12
00:00:43.370 --> 00:00:46.960
because these front ones, I know they're

just going to go straight up and down.

13
00:00:47.830 --> 00:00:51.220
Straight up and down, and I mean, if anything, they might be angled a little

14
00:00:51.230 --> 00:00:53.400
bit this way just to stay in line with the bone.

15
00:00:54.290 --> 00:00:58.280
But these front ones, for the most part, are the straightest implants.

16
00:00:58.290 --> 00:01:04.240
And so it's really easy to tell what straight is, but it's really difficult to

17
00:01:04.250 --> 00:01:06.620
tell what 30 degrees or 15 degrees is.

18
00:01:06.890 --> 00:01:09.780
So these front ones, I'm going to place

19
00:01:09.790 --> 00:01:15.380
straight and I'm going to place them in the lateral incisor areas unless there's

20
00:01:15.390 --> 00:01:16.800
a big infection in that site.

21
00:01:17.090 --> 00:01:18.660
So commonly for the all -on -four

22
00:01:18.670 --> 00:01:22.760
procedure or all -on -X procedure, there are infections somewhere, right?

23
00:01:22.790 --> 00:01:24.520
That's why these people are getting their teeth out.

24
00:01:24.530 --> 00:01:26.480
So there are infections somewhere.

25
00:01:26.650 --> 00:01:28.560
There are some areas that are better than others.

26
00:01:29.010 --> 00:01:33.760
In a perfect world, I would place them in the lateral incisor sites.

27
00:01:34.650 --> 00:01:38.240
Maybe a little bit more distal, maybe in between the lateral incisor and the canine.

28
00:01:38.790 --> 00:01:41.300
But anywhere around here is fine.

29
00:01:41.550 --> 00:01:43.120
Really what you want to remember is just

30
00:01:43.130 --> 00:01:45.080
the best AP spread.

31
00:01:45.690 --> 00:01:48.680
And so I'm looking for an area around

32
00:01:48.690 --> 00:01:50.280
here to place my implant.

33
00:01:50.610 --> 00:01:52.060
So this looks like a pretty good spot.

34
00:01:52.810 --> 00:01:57.180
And I'm going to start with this Lance pilot drill and I'm going to make my

35
00:01:57.190 --> 00:01:58.420
marking in the middle of the ridge.

36
00:01:58.650 --> 00:01:59.680
So let's go ahead and do that now.

37
00:01:59.910 --> 00:02:05.760
We're going to make our marking in the middle of the ridge and we'll go from there.

38
00:02:05.990 --> 00:02:06.080
Watch.

39
00:02:07.790 --> 00:02:08.940
That's why I like to start with these

40
00:02:08.950 --> 00:02:15.820
front ones because I can look at it straight on and make sure that I'm parallel.

41
00:02:16.150 --> 00:02:18.240
Or not parallel, just straight up and down.

42
00:02:20.190 --> 00:02:22.200
So I'm just going to go straight up and down.

43
00:02:23.910 --> 00:02:27.660
I'm just going to sink it to that first marking right there.

44
00:02:28.470 --> 00:02:34.620
Alright, so now I have one pilot drill, one pilot hole started.

45
00:02:35.150 --> 00:02:36.560
And I'm going to put that right there.

46
00:02:38.330 --> 00:02:41.160
And so now what I like to do is gently,

47
00:02:41.770 --> 00:02:44.060
like slowly close down the patient's jaw.

48
00:02:44.690 --> 00:02:47.120
See where it matches up with the opposing teeth.

49
00:02:48.850 --> 00:02:51.060
Let's see if I have an opposing model

over here.

50
00:02:51.830 --> 00:02:52.620
Yep, looks like I do.

51
00:02:53.950 --> 00:02:55.680
So let's say this is the patient's

52
00:02:55.690 --> 00:02:57.820
opposing jaw that they're getting
implants up top to.

53
00:02:58.370 --> 00:03:03.880
So I have them slowly closed down and I
see where this is lining up at and I see

54
00:03:03.890 --> 00:03:04.800
how it's lining up.

55
00:03:05.230 --> 00:03:08.100
If it's looking like that or something,

56
00:03:08.450 --> 00:03:09.960
then you know you're off angle.

57
00:03:09.970 --> 00:03:11.940
But what you want is for it to be

58
00:03:11.950 --> 00:03:17.360
following the long axis of the upper
teeth and just looking straight.

59
00:03:17.830 --> 00:03:19.140
So that looks pretty straight.

60
00:03:19.330 --> 00:03:21.100
We can always change our angles in just a

61
00:03:21.110 --> 00:03:21.440
little bit.

62
00:03:22.170 --> 00:03:23.600

But let's go ahead and go with that one

63
00:03:23.610 --> 00:03:24.060
for now.

64
00:03:25.050 --> 00:03:27.380
Alright, so I already marked my first

65
00:03:27.390 --> 00:03:28.160
implant site.

66
00:03:28.230 --> 00:03:28.980
That's going to be right there.

67
00:03:29.070 --> 00:03:30.200
Let's mark the other one.

68
00:03:30.550 --> 00:03:33.000
Let's place it right over here, just on

69
00:03:33.010 --> 00:03:36.580
the same kind of area, just on the
contralateral side.

70
00:03:37.430 --> 00:03:40.300
So let's go ahead and mark that one next.

71
00:03:51.070 --> 00:03:53.000
And so I'm going to place it kind of in

72
00:03:53.010 --> 00:03:56.100
the lateral incisor site, kind of like
right there.

73
00:03:58.770 --> 00:03:59.120
Alrighty.

74
00:04:01.110 --> 00:04:02.880
And I'm looking at it from the front, remember?

75
00:04:03.030 --> 00:04:05.460
So you're going to look at it from this view right here.

76
00:04:06.690 --> 00:04:09.020
And it helps if you also look at it from
this view.

77
00:04:09.070 --> 00:04:10.860
So you can ask your assistant to look at
it from that view.

78
00:04:11.630 --> 00:04:15.120
And then you can look at it from this
view too, right?

79
00:04:15.270 --> 00:04:16.960
But these are pretty easy.

80
00:04:17.830 --> 00:04:21.160
There's a platform right here.

81
00:04:21.230 --> 00:04:23.960
You just want to be in the middle, and
you want to go straight up and down.

82
00:04:24.810 --> 00:04:26.460
So let's do it.

83
00:04:28.660 --> 00:04:30.130
Alright, one, two, three.

84
00:04:39.500 --> 00:04:44.410
Alright, now you have your two pilot
drills, or two pilot holes made in there.

85
00:04:45.020 --> 00:04:48.970
And they don't have to be exactly in the
lateral sites.

86
00:04:49.240 --> 00:04:50.370
They're just kind of around here.

87
00:04:51.240 --> 00:04:54.010
And so that looks like a pretty good area

88

00:04:54.020 --> 00:04:54.850
to place the implants.

89
00:04:55.680 --> 00:04:57.410
Right here it's looking just a little bit

90
00:04:57.420 --> 00:04:58.270
thin, right?

91
00:04:58.860 --> 00:05:00.590
So I could have gotten a little bit more buckle.

92
00:05:02.080 --> 00:05:03.450
But anyway, let's go with that.

93
00:05:05.380 --> 00:05:08.650
And what I like to do is place this pilot

94
00:05:08.660 --> 00:05:09.490
drill back on.

95
00:05:10.680 --> 00:05:12.670
And let's place another pilot drill in there.

96
00:05:13.120 --> 00:05:16.150
Just so we can look at both of them at
the same time.

97
00:05:27.290 --> 00:05:30.440
Alright, we just look at that to evaluate
for parallelism.

98
00:05:30.450 --> 00:05:34.100
This one's kind of like swimming around
in there because it's not the actual

99
00:05:34.110 --> 00:05:34.460
pilot drill.

100
00:05:35.730 --> 00:05:37.580
This is just a paralleling pin.

101
00:05:37.730 --> 00:05:38.900
And so I'm looking at both of them.

102
00:05:39.530 --> 00:05:41.620
The tendency sometimes is for them to be

103
00:05:41.630 --> 00:05:46.500
parallel, but then offset in maybe this
direction or that direction.

104
00:05:48.110 --> 00:05:51.900
And so I make sure that I look at it from
the side that I'm working on.

105
00:05:52.210 --> 00:05:55.760
But then I'll go ahead and go to the
other side, and then look at it from that

106
00:05:55.770 --> 00:05:56.560
perspective too.

107
00:05:57.050 --> 00:05:58.540
I have my assistant look at it.

108
00:05:58.550 --> 00:06:00.120
I have everybody look at it.

109
00:06:00.290 --> 00:06:01.420
Just to double check.

110
00:06:03.030 --> 00:06:06.100
Alright, so I like how that's looking
right now.

111
00:06:06.950 --> 00:06:12.760
And so I'm going to go ahead and take my
2mm drill and take that one to depth.

112
00:06:13.830 --> 00:06:15.940
Alright, so I'm going to go ahead and put
my 2mm pilot drill on here.

113

00:06:16.770 --> 00:06:18.420
My 2mm pilot drill.

114
00:06:20.550 --> 00:06:23.560
And what I like to do when I'm drilling

115
00:06:23.570 --> 00:06:28.500
this is I'll go ahead and leave this
lance pilot drill in here.

116
00:06:30.170 --> 00:06:34.500
So if there's one that I like better than
another, I'll put the pilot drill in that one.

117
00:06:35.450 --> 00:06:36.420
And the one that I like.

118
00:06:36.970 --> 00:06:39.340
And then the one that I don't like, I'm

119
00:06:39.350 --> 00:06:42.540
going to drill and I'm going to correct angle.

120
00:06:43.370 --> 00:06:44.480
Correct angle like right now.

121
00:06:46.070 --> 00:06:48.080
Alright, so now I'm just going to take
this one to depth.

122
00:06:48.290 --> 00:06:52.500
And let's say that I'm going to go with
11 .5mm implants.

123
00:06:52.870 --> 00:06:54.940
So I'm going to take this one to 11 .5mm.

124
00:06:58.620 --> 00:06:58.930
Alright.

125
00:07:04.470 --> 00:07:06.040
So I'm going to take this one to 11 .5mm.

126
00:07:06.290 --> 00:07:07.700
This pin's not going to let me, so I'm

127
00:07:07.710 --> 00:07:09.160
just going to rotate my drill a little bit.

128
00:07:11.710 --> 00:07:12.020
Alright.

129
00:07:19.580 --> 00:07:20.570
Now I'm at 10mm.

130
00:07:21.440 --> 00:07:23.430
And now I'm at 11 .5mm.

131
00:07:23.480 --> 00:07:24.770
Maybe a little bit deeper, which is fine.

132
00:07:26.060 --> 00:07:26.730
Alright, awesome.

133
00:07:32.450 --> 00:07:34.760
So now I've prepped this one to depth.

134
00:07:35.750 --> 00:07:38.880
I'm going to put my 2mm pilot drill in there.

135
00:07:39.490 --> 00:07:40.300
And now I'm going to compare.

136
00:07:42.150 --> 00:07:43.280
They look fairly parallel.

137
00:07:43.510 --> 00:07:45.540
It's slightly offset, but you know,
that's okay.

138
00:07:46.390 --> 00:07:49.740
You can correct for a little bit of
angulation discrepancy with all on four.

139
00:07:50.290 --> 00:07:51.400
No problem at all.

140
00:07:51.510 --> 00:07:52.940
That looks parallel enough.

141
00:07:57.090 --> 00:07:58.860
Now let's go ahead and prepare this one
right here.

142
00:08:00.230 --> 00:08:02.620
I'm going to take this pilot drill out,
put it back in my kit.

143
00:08:07.260 --> 00:08:12.670
And I'm going to take this 2mm twist
drill again and take this one to depth.

144
00:08:19.810 --> 00:08:22.920
It's hard to tell what the depth is with
all this bone dust on here.

145
00:08:23.590 --> 00:08:24.440
Let me get that off for you.

146
00:08:47.130 --> 00:08:50.120
So now I'm going to put this one into the

147
00:08:50.130 --> 00:08:51.180
implant site as well.

148
00:08:52.070 --> 00:08:53.520
And now I get to evaluate both of them.

149
00:08:53.570 --> 00:08:57.980
So now we're at depth with both drills.

150
00:08:59.130 --> 00:09:01.640
We're at depth and we're happy with these implants.

151
00:09:02.970 --> 00:09:05.680
And these are the ones that we're going

to be going with.

152
00:09:05.750 --> 00:09:08.140
We're not going to be changing up our angle or changing anything about it.

153
00:09:09.130 --> 00:09:09.480
Alright.

154
00:09:10.470 --> 00:09:12.040
So that's how you start your first two

155
00:09:12.050 --> 00:09:13.200
implants in the front.

156
00:09:13.950 --> 00:09:15.600
I'll show you the next steps in just a second.

157
00:09:15.710 --> 00:09:17.240
But this is how you start your first two implants.

158
00:09:17.810 --> 00:09:20.060
And these are going to guide the rest of

159
00:09:20.070 --> 00:09:22.100
your whole procedure.

160
00:09:22.630 --> 00:09:23.920
So that's why I like to have these.

161
00:09:24.590 --> 00:09:29.520
At this time, I'll go ahead and have the patient close down again.

162
00:09:29.850 --> 00:09:31.720
I want to see where they're coming out at.

163
00:09:32.390 --> 00:09:35.420
Because they're the mandibular arch, you

164
00:09:35.430 --> 00:09:39.660

obviously want to have them come out lingual to the upper arch, right?

165
00:09:40.110 --> 00:09:42.440
And so when they bite down, I see that it's like this.

166
00:09:42.970 --> 00:09:47.240
Then that means that my preparations are too far forward.

167
00:09:47.750 --> 00:09:49.820
And I want them to be a little bit more lingual.

168
00:09:50.190 --> 00:09:52.920
Because if you do it like this, let me

169
00:09:52.930 --> 00:09:54.920
see if you can get a side view.

170
00:09:55.630 --> 00:09:56.900
So if they're coming out like that,

171
00:09:57.390 --> 00:09:58.340
you're going to have trouble.

172
00:09:58.550 --> 00:10:00.960
It might break the front of your denture.

173
00:10:01.310 --> 00:10:02.900
So you want them to come out the lingual.

174
00:10:03.590 --> 00:10:03.720
Alright?

175
00:10:04.410 --> 00:10:05.460
You want them to come out the lingual.

176
00:10:07.170 --> 00:10:09.520
And I'm going to use these two now as a guide.

177

00:10:09.730 --> 00:10:12.620

So I'm going to look at them again from
the front, from the side views.

178

00:10:12.990 --> 00:10:16.160

I'm going to ask my assistant also to
take a look.