

CLINICAL CASE REPORT OF OSTEOARTHROSIS TREATMENT WITH USE OF FIXED ORTHOSIS

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INTRODUCTION

Patient Age 40 Male. The patient has trouble with opening his mouth. We found a difference of figure between right and left TMJ in opening position by x-rays photos.

AIMS

For relieve his too much compression of right side TMJ.



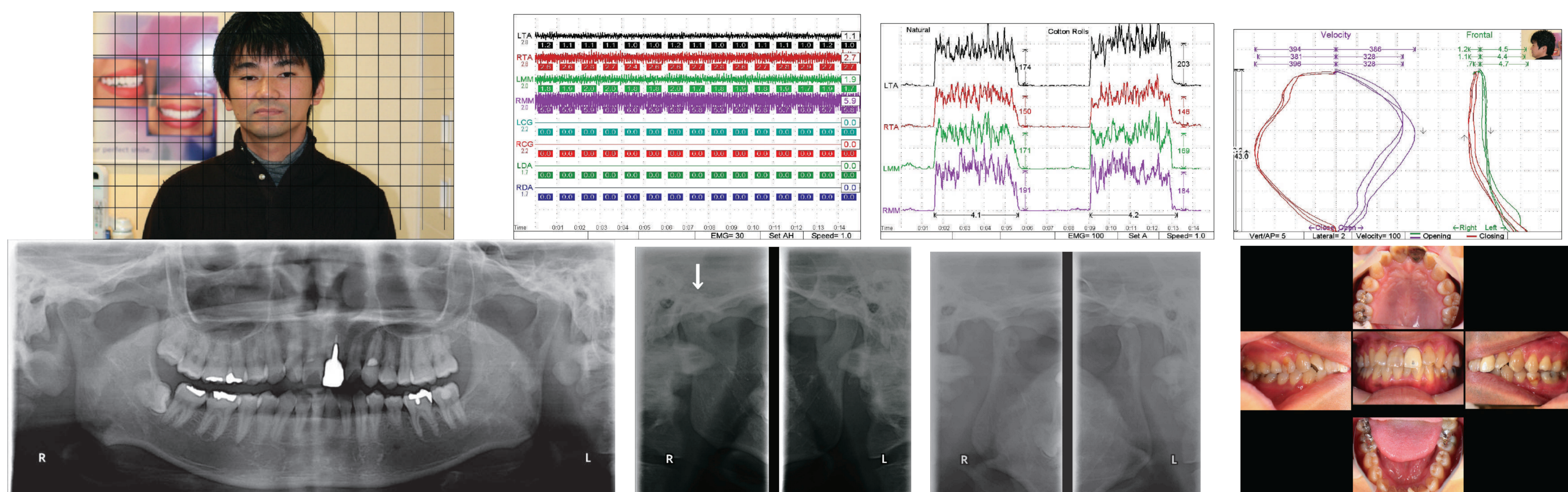
METHODS

Fixed Orthosis and CPM (Continuous Passive Motion)

RESULTS

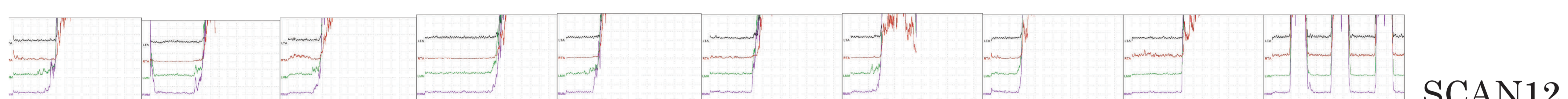
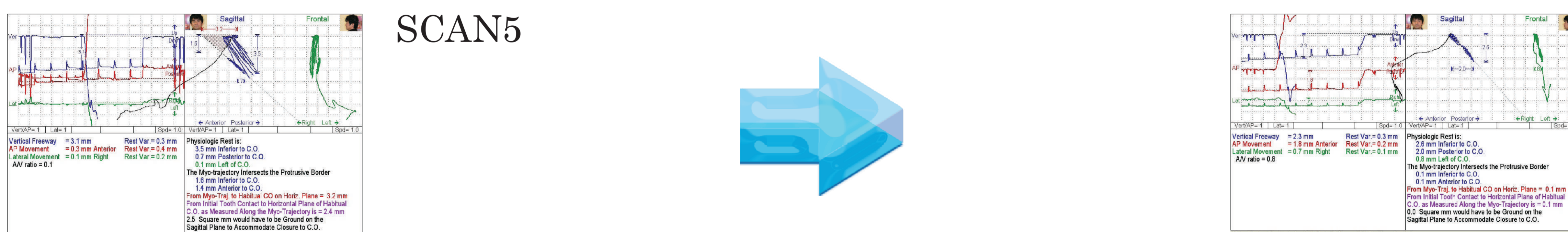
A patient lost compression of right side TMJ and the pain of right side TMJ when he opens his mouth. Besides his crepitus lightens.

ILLUSTRATIONS First examination



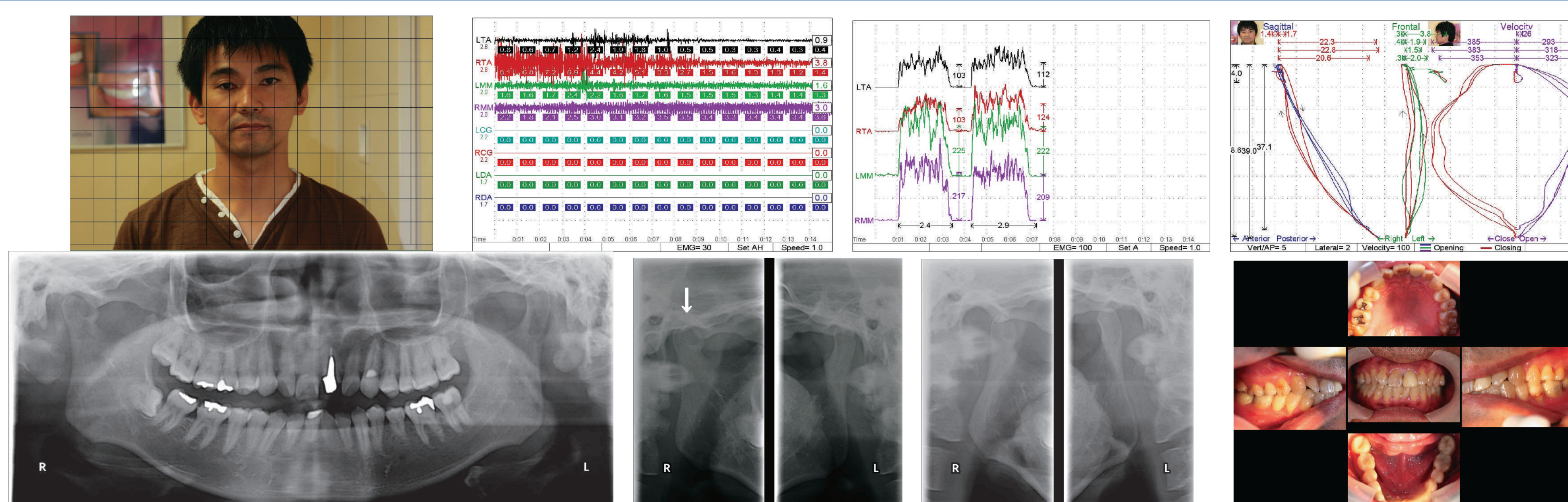
SCAN9 at the initial visit showing too much compression in the right side TMJ.
Pre-operative SCAN11 showing the hyperactive muscles activity of TA.
Pre-operative SCAN2 showing a opening and closing circle.
X-rays photo at the initial visit showing the difference of figure.

ILLUSTRATIONS Revaluation



To adjust muscular contact position after 45 minutes Myomonitor TENS every 2 weeks.

ILLUSTRATIONS Present



Lower resting EMG. MM is much superior to TA after using the fixed orthosis.
Too much compression of TMJ is fading.

SUMMARY

This case notified me again that a importance of functional occlusional system which composed by a good balance of TMJ,teeth position and a muscle of mastication.

CONCLISIONS

The treatment with CPM by TEMS and Orthosis suggest making satisfactory progress for this case such as a chronic disease like my patient.