

Orthodontic Case Presentation (OCP–ST3)

In addition to the list of cases being managed by the trainee detailed in the Orthodontic Logbook Assessment Toolkit (OLAT), evidence of orthodontic diagnosis and treatment planning, longitudinal delivery of care, evaluation of the skeletal, dental and soft tissue effects of treatment and discussion of appropriate retention strategies should also undergo formative assessment during ST3.

OCP-ST3 will consist of two detailed Orthodontic Case Presentations (OCP) selected primarily on the basis that they have produced a useful learning experience for the trainee, which should be formally presented during ST3 as a single exercise to a pair of appropriate trainers (CS/AES, ideally not directly involved in supervision of the case) to provide an opportunity for reflection on delivery of care by the trainee.

These cases can encompass a range of treatment modalities, including but not limited to interceptive treatment, orthodontic camouflage, growth modification followed by fixed appliance treatment, and multidisciplinary treatment including the management of tooth agenesis or impaction. For **OCP-ST3**, there should be an emphasis on longitudinal delivery of care and outcomes from diagnosis to completion of treatment and retention, and trainees are encouraged to liaise with their AES in terms of case selection. Indeed, it is encouraged that the AES should play a key role in the selection of cases for presentation.

This **OCP–ST3** document provides a roadmap for the information required and following formal presentation of both cases, appropriate sign-off should be undertaken by the AES within the 'Other evidence' area of the ISCP site and validation at the ARCP.

CASE HISTORY TEMPLATE

CASE NUMBER: [N]

PATIENT'S INITIALS: [I.I]

CASE SUMMARY

[A brief description of the case, maximum 100 words]

SECTION 1. PRE-TREATMENT ASSESSMENT

PATIENT DETAILS

Initials:

Sex:

Date of birth:

Age at start of treatment:

PATIENT'S COMPLAINT/S

RELEVANT MEDICAL HISTORY

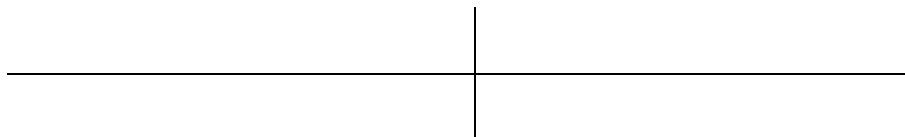
CLINICAL EXAMINATION: EXTRA-ORAL FEATURES

CLINICAL EXAMINATION: INTRA-ORAL FEATURES

Soft tissues:

Oral hygiene:

Erupted teeth present:



General dental condition:

OCP FOR ORTHODONTIC ST3

CROWDING / SPACING

Maxillary arch:

Mandibular arch:

OCCLUSAL FEATURES

Incisor relationship:

Overjet (mm):

Overbite:

Centrelines:

**Left buccal segment
relationship:**

**Right buccal segment
relationship:**

Crossbites:

Displacements:

Other occlusal features:

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PRE-TREATMENT PHOTOGRAPHS: EXTRA-ORAL

[Insert frontal and profile photographs here]

OCP FOR ORTHODONTIC ST3

PRE-TREATMENT PHOTOGRAPHS: INTRA-ORAL

[Insert frontal, right and left buccal, upper and lower occlusal photographs here]

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PRE-TREATMENT PHOTOGRAPHS: OTHER RELEVANT VIEWS

[Insert any other relevant views here]

OCP FOR ORTHODONTIC ST3

PRE-TREATMENT PHOTOGRAPHS: STUDY MODEL PHOTOGRAPHS OR 3D SCANS

[Insert frontal, right and left buccal, upper and lower occlusal images here]

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GENERAL RADIOGRAPHIC EXAMINATION

Pre-treatment radiographs taken:

Unerupted teeth:

--	--

Teeth absent:

--	--

Teeth of poor prognosis:

--	--

Other relevant radiographic findings:

PRE-TREATMENT RADIOGRAPHS

[Insert prints of radiographs or duplicate film radiographs here]

OTHER SPECIAL TESTS / ANALYSES

[This is optional. Present details and results of any other tests or measurements, which are available and which contribute to the assessment of the case]

OCP FOR ORTHODONTIC ST3

PRE-TREATMENT CEPHALOMETRIC TRACING:

[Attach cephalometric tracing here. The tracing should be either 1) provided on acetate to scale so that the tracing can be checked directly over the cephalometric radiograph; or 2) provided digitally over the cephalometric radiograph so the tracing can be assessed.]

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PRE-TREATMENT CEPHALOMETRIC ANALYSIS

VARIABLE	PRETREATMENT	NORMAL
SNA		82° ± 3
SNB		79° ± 3
ANB		3° ± 1
SN to maxillary plane		8° ± 3
Wits appraisal		0 mm
Upper incisor to maxillary plane angle		108° ± 5
Lower incisor to mandibular plane angle		92° ± 5
Interincisal angle		133° ± 10
Maxillary mandibular planes angle		27° ± 5
Upper anterior face height		
Lower anterior face height		
Face height ratio		55%
Lower incisor to APo line		0-2 mm
Lower lip to Ricketts E Plane		-2 mm

Sources of normal values:

Houston WJB, Stephens CD & Tulley WJ (1992) A textbook of Orthodontics. Wright, Oxford
Cobourne MT, DiBiase AT (2024) Handbook of Orthodontics. 3rd Edition. Elsevier

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ADDITIONAL CEPHALOMETRIC ANALYSIS (OPTIONAL)

[Where an additional analysis is used, provide clear definitions of the measurements together with means and standard deviations]

INTERPRETATION

DIAGNOSTIC SUMMARY

PROBLEM LIST

[Add as few or as many as are appropriate to the case]

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

AIMS AND OBJECTIVES OF TREATMENT

[Add as few or as many as are appropriate to the case]

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

TREATMENT PLAN

Extractions:

Appliances:

Special anchorage requirements:

Minor adjunctive surgery:

Major adjunctive surgery:

Additional dental treatment:

Proposed retention strategy:

Prognosis for stability:

COMPUTER PREDICTIONS

[Optional: Where cases are presented which involve orthognathic surgery, output from computerised planning systems may be included on these two pages. Alternatively, these pages may be used for additional mid-treatment photographs demonstrating treatment mechanics in SECTION 2]

COMPUTER PREDICTIONS

SECTION 2. TREATMENT

TREATMENT PROGRESS

Start of active treatment:

Age at start of active treatment:

End of active treatment:

Age at end of active treatment:

End of retention:

KEY STAGES IN TREATMENT PROGRESS

[Provide a brief summary of approximately 8 – 10 key stages in the treatment sequence]

DATE	STAGE
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	

KEY STAGES IN TREATMENT PROGRESS (CONTINUED)

MID-TREATMENT PHOTOGRAPHS:

[Insert any relevant photographs which illustrate treatment mechanics at any key stages of interest]

MID-TREATMENT RADIOGRAPHS:

MID-TREATMENT CEPHALOMETRIC TRACING

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MID-TREATMENT CEPHALOMETRIC VALUES

VARIABLE	PRE-TREATMENT	MID - TREATMENT	CHANGE
SNA			
SNB			
ANB			
SN to maxillary plane			
Wits appraisal			
Upper incisor to maxillary plane angle			
Lower incisor to mandibular plane angle			
Interincisal angle			
MM angle			
Upper anterior face height			
Lower anterior face height			
Face height ratio			
Lower incisor to APo line			
Lower lip to Ricketts E Plane			

SECTION 3. POST-TREATMENT ASSESSMENT

OCCLUSAL FEATURES

Incisor relationship:

Overjet (mm):

Overbite:

Centrelines:

**Left buccal segment
relationship:**

**Right buccal segment
relationship:**

Crossbites:

Displacements:

Functional occlusal features

Other occlusal features:

COMPLICATIONS ENCOUNTERED DURING TREATMENT:

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OCCLUSAL INDICES

INDEX	PARAMETER	VALUE
Index of Treatment Need (IOTN)		
Dental Health Component	Start	
	Finish	
Aesthetic Component	Start	
	Finish	
Peer Assessment Rating (PAR)		
	Start	
	Finish	
	Change	
	% Change	
Other		

RADIOGRAPHS TAKEN TOWARDS / AT END OF TREATMENT

Radiographs taken:

Relevant findings:

POST-TREATMENT RADIOGRAPHS

[Insert prints of radiographs or duplicate film radiographs here]

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POST-TREATMENT CEPHALOMETRIC TRACING: (Where appropriate)

[Insert cephalometric tracing]

OCP FOR ORTHODONTIC ST3

POST- TREATMENT CEPHALOMETRIC ASSESSMENT (where appropriate)

VARIABLE	PRE-TREATMENT	POST- TREATMENT	CHANGE
SNA			
SNB			
ANB			
SN to maxillary plane			
Wits appraisal			
Upper incisor to maxillary plane angle			
Lower incisor to mandibular plane angle			
Interincisal angle			
MM angle			
Upper anterior face height			
Lower anterior face height			
Face height ratio			
Lower incisor to APo line			
Lower lip to Ricketts E Plane			

ADDITIONAL ANALYSIS (OPTIONAL)

INTERPRETATION OF CEPHALOMETRIC CHANGES

CEPHALOMETRIC SUPERIMPOSITION

[Overall superimposition on the anterior cranial base (rather than on the Sella-Nasion line)]

CEPHALOMETRIC SUPERIMPOSITION

Maxillary and mandibular regional superimpositions.

[The stable anatomical structures of the mandible are: 1) The anterior contour of the chin; 2) The inner cortical structure at the inferior border of the symphysis; 3) Trabecular structures in the symphysis; 4) Trabecular structures related to the mandibular canal; 5) The lower contour of a molar tooth germ from the time mineralisation of the crown is visible until the roots begin to form]

[The stable structure associated with the maxillary complex is the anterior contour of the zygomatic process]

POST-TREATMENT PHOTOGRAPHS: EXTRA-ORAL

[Insert frontal and profile photographs here]

POST-TREATMENT PHOTOGRAPHS: INTRA-ORAL

[Insert frontal, right and left buccal, upper and lower occlusal images here]

OCP FOR ORTHODONTIC ST3

POST-TREATMENT PHOTOGRAPHS: STUDY MODEL PHOTOGRAPHS OR 3D SCANS

[Insert frontal, right and left buccal, upper and lower occlusal images here]

SECTION 4.

[No more than 2 pages Arial font 11]

a) RATIONALE FOR TREATMENT

b) CRITIQUE

Learning outcomes section: Trainees are encouraged to include evidence they have achieved the learning outcomes expected of them during their training. A list of outcomes and evidence can be included here: