

Nr. 2644 25 Jahre weibl.

**KL I, Offener Biss,
Kreuzbiss**

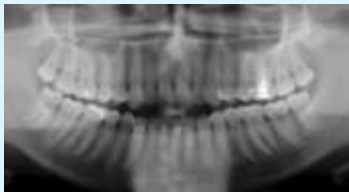
- **Fallbeispiel 1:**



25 jährige Patientin mit frontoffenem Biss und Kreuzbiss in der Region der rechten Eckzähne. Zudem ein Fistelzahn 26 und immer wieder

Gesichtsschmerzen v.a. nach dem Zähneknirschen (deshalb Überweisung von Ihrem Osteopathen)

- **Unser Behandlungsplan:**



Extraktion des Eiterzahn 26 und der Weisheitszähne 18, 38 und 48, damit dann mit den MEAW-Bögen nach Sato und den vorderen Gummizügen die Bisslage so verändert werden kann, dass der frontoffene Biss sich schließt.

- **Festsitzende Behandlung nach Sato (Brackets + MEAW-Technik): 1 Jahr**

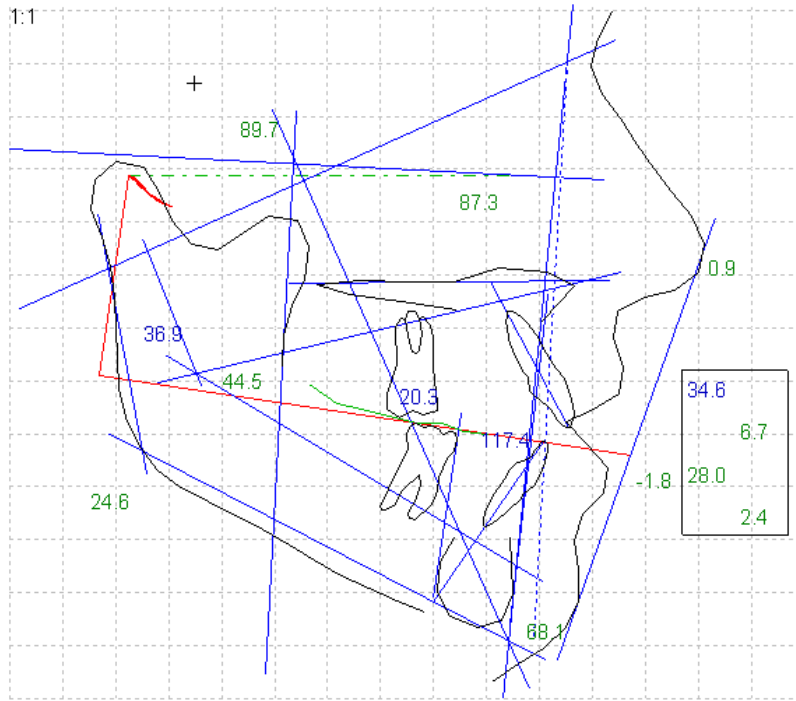




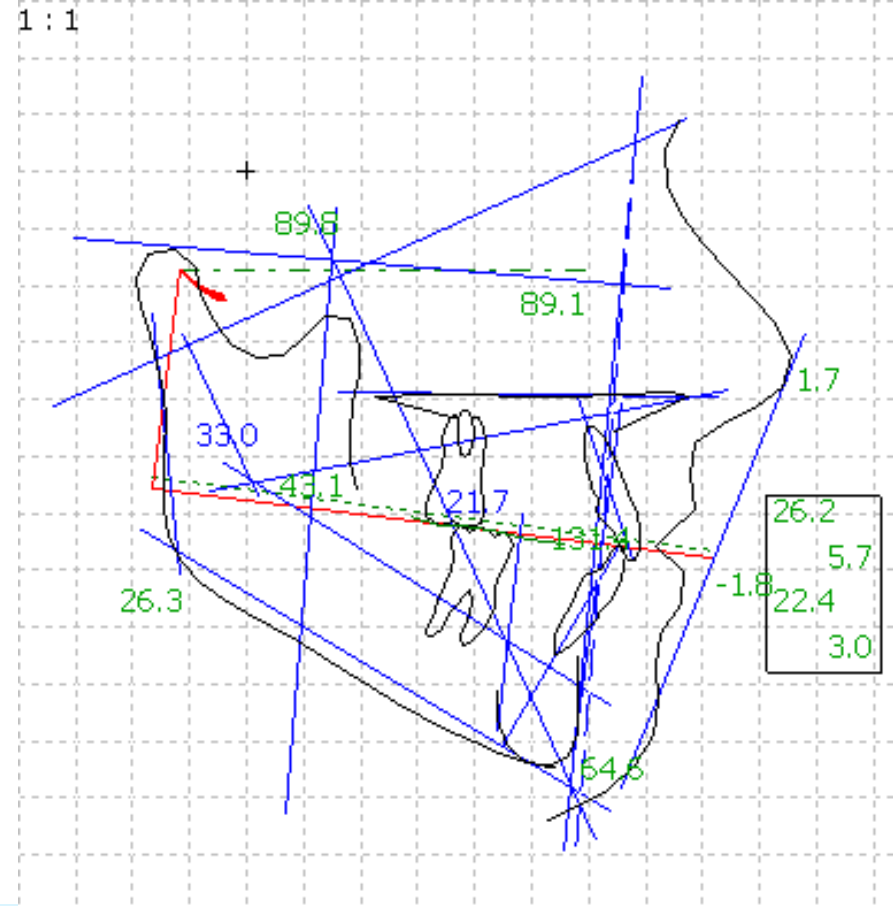
2006-03 before KFO



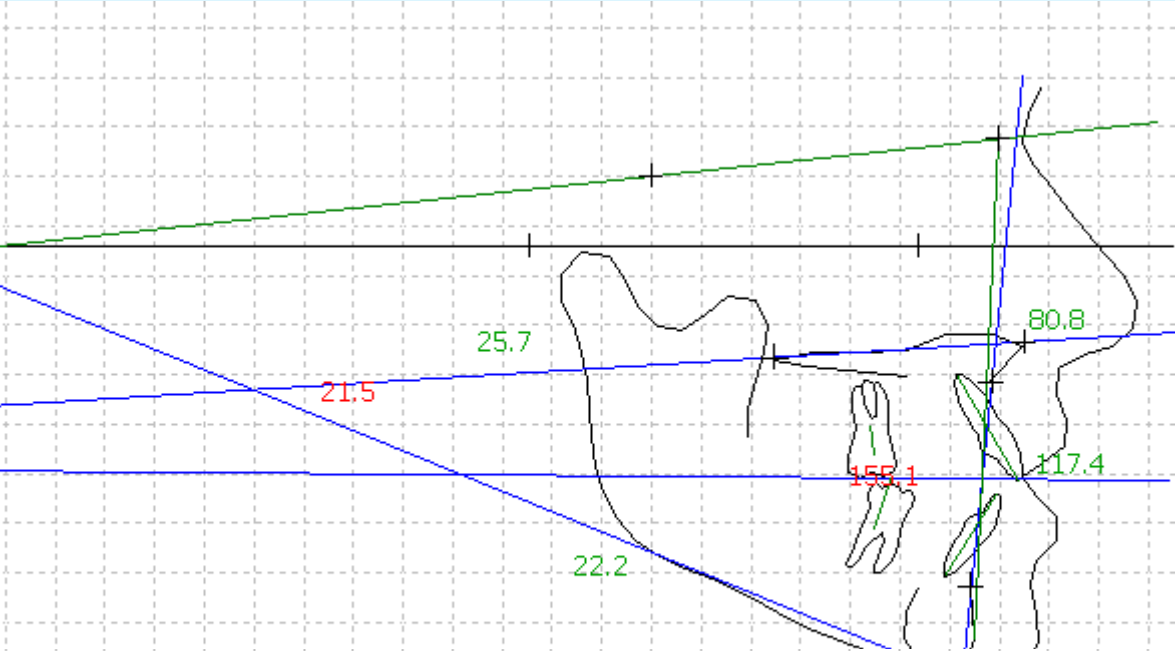
2009-06 after KFO



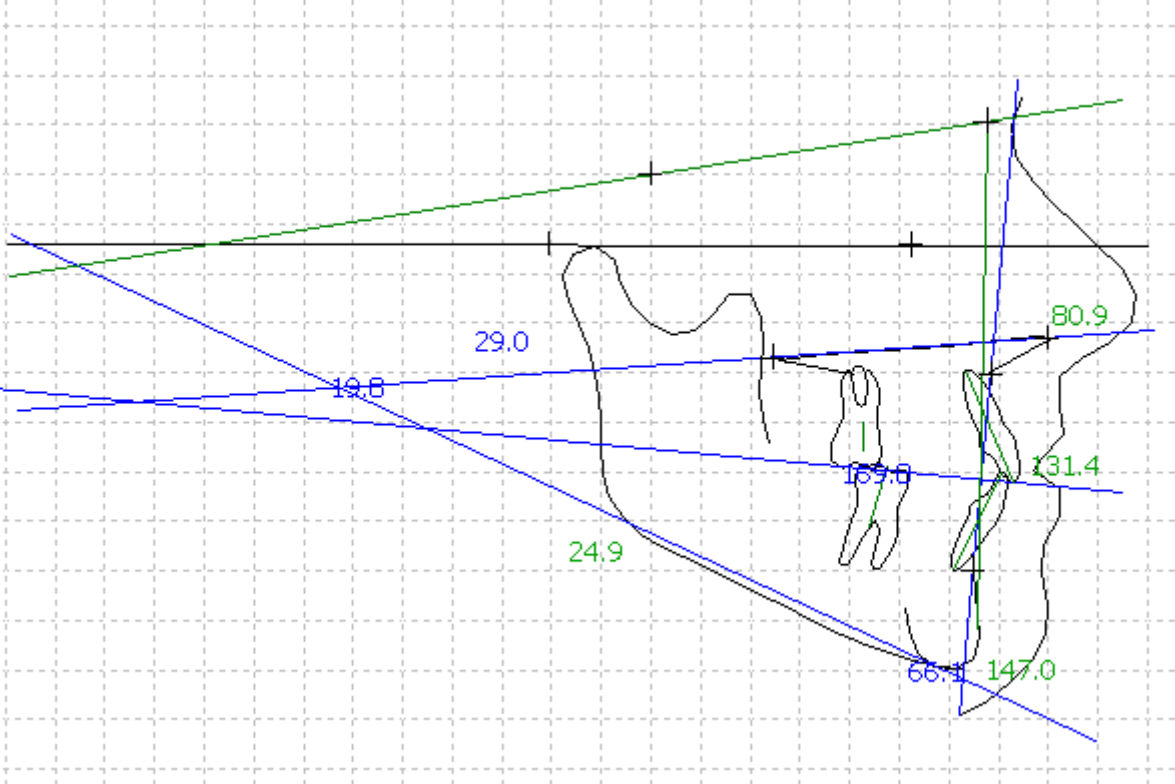
2006-03 before KFO



2009-06 after KFO



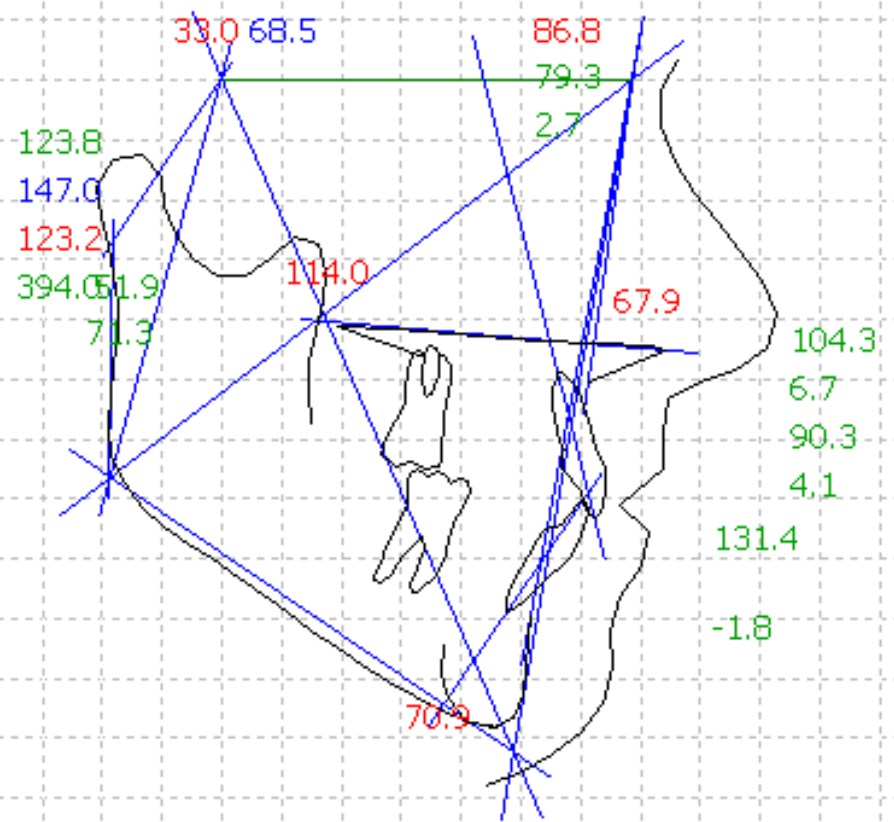
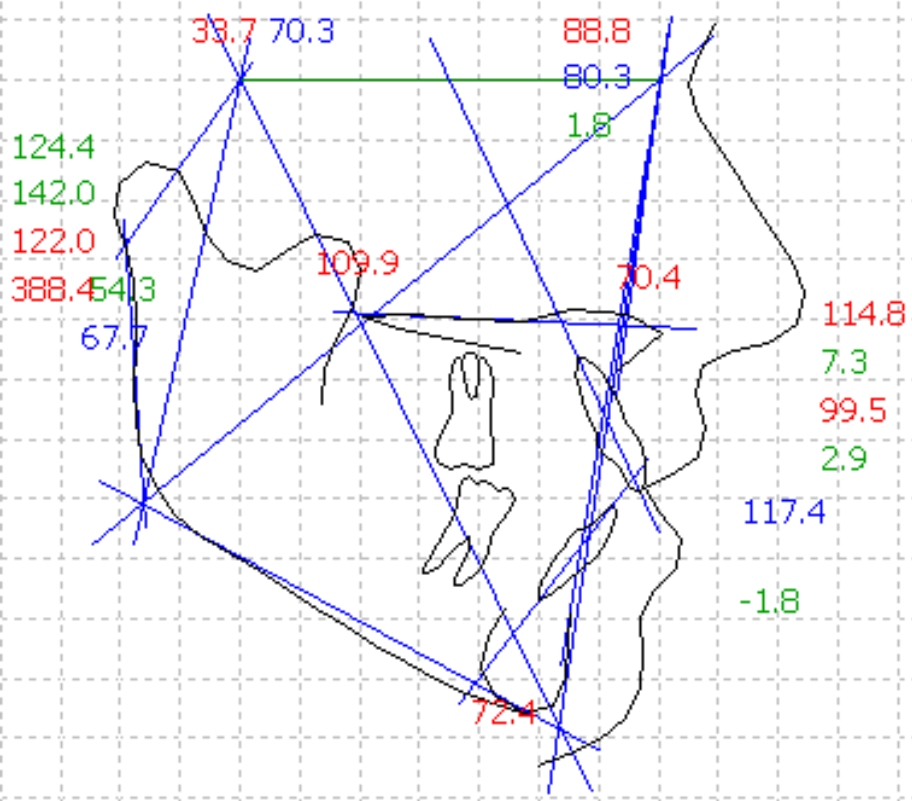
2006-03 before KFO



2009-06 after KFO

1 : 1

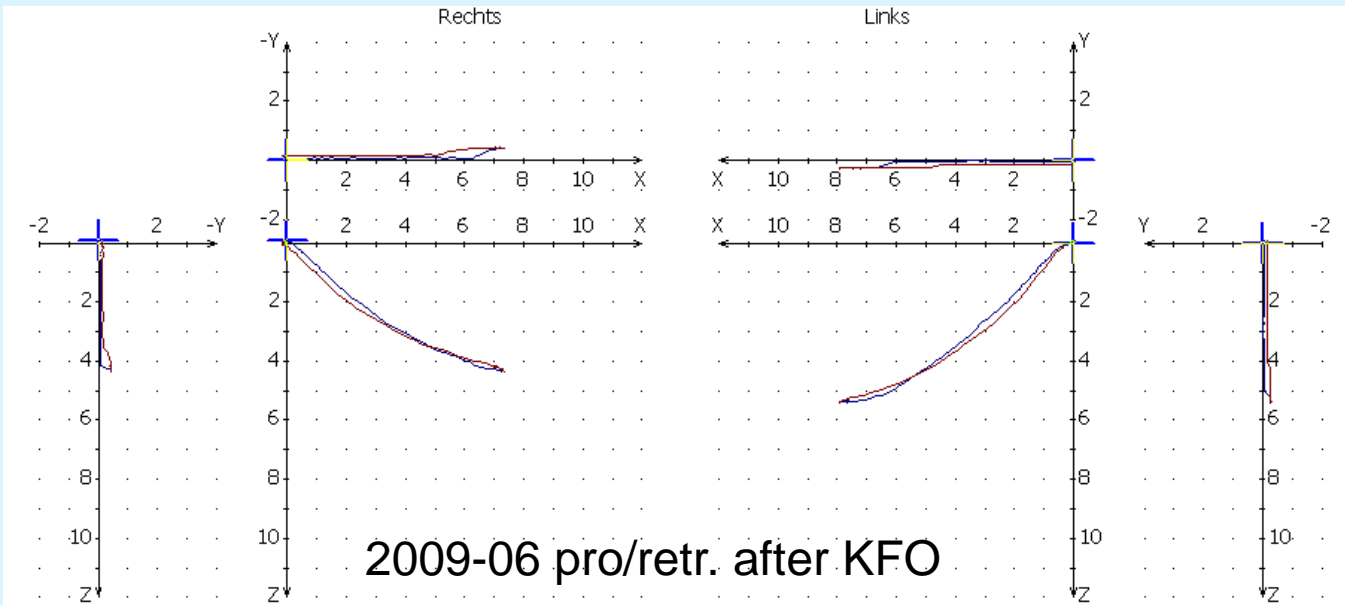
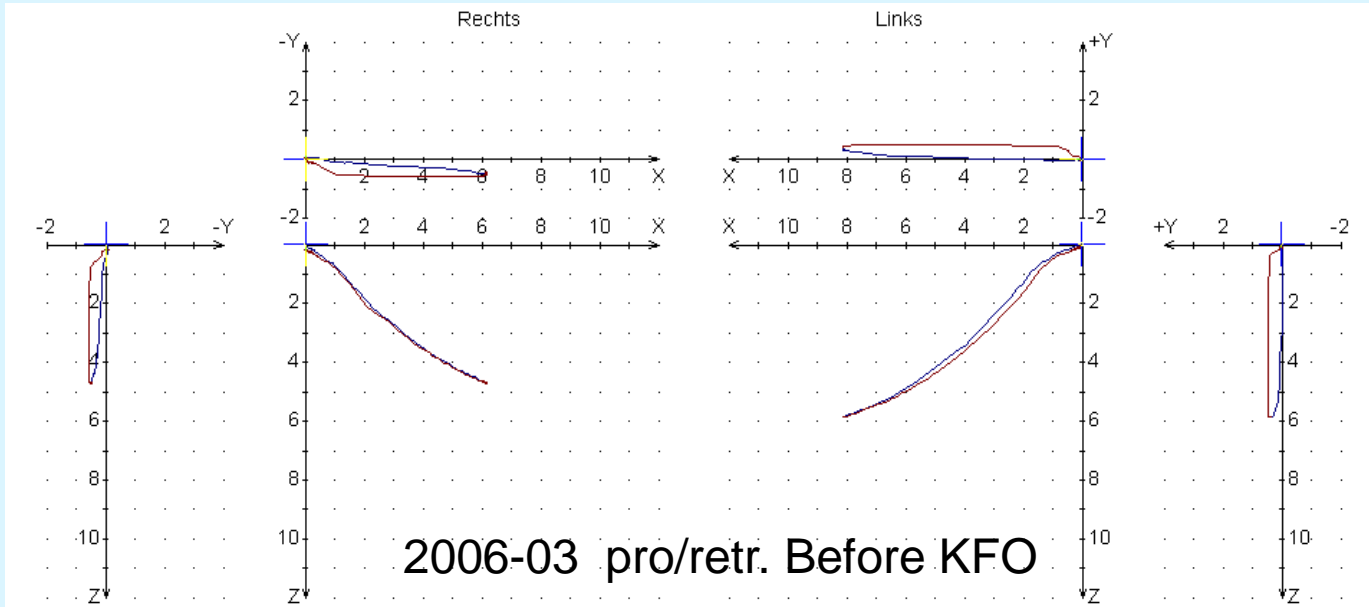
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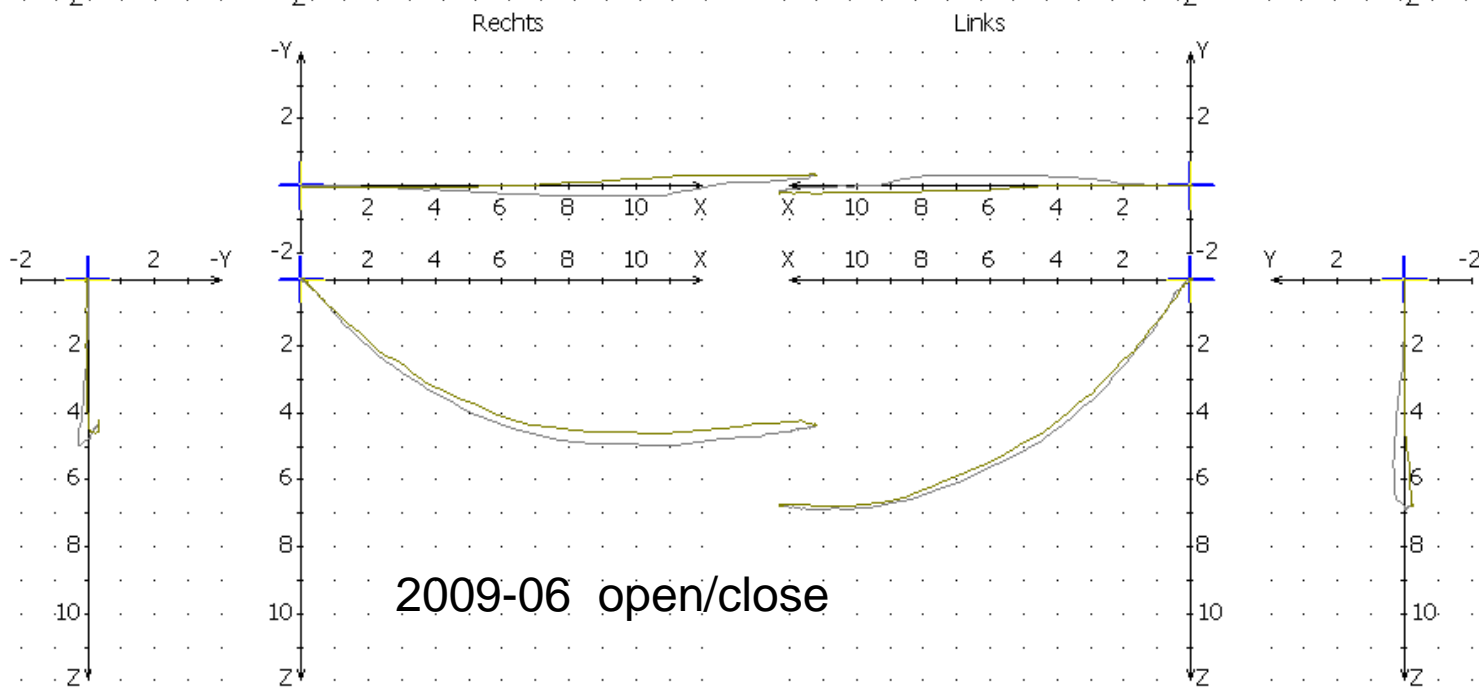
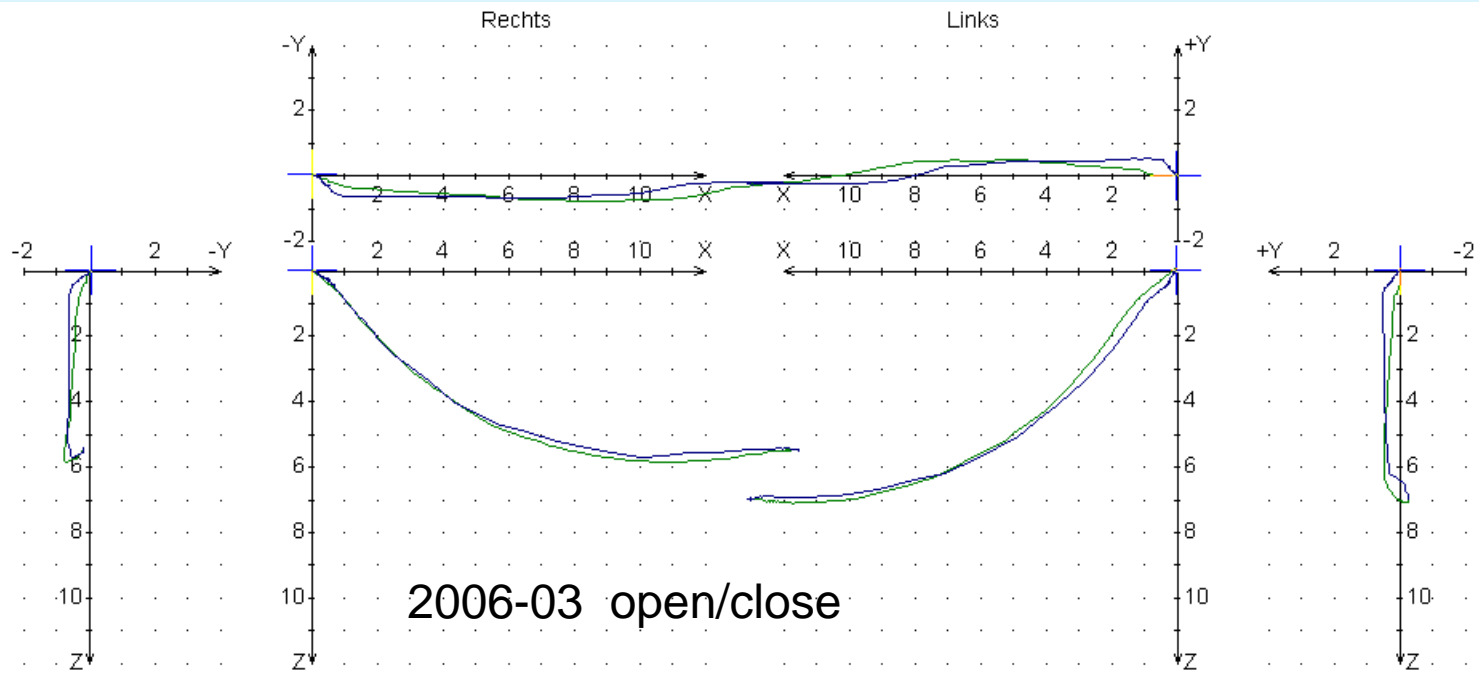


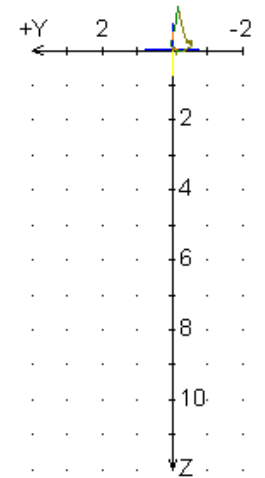
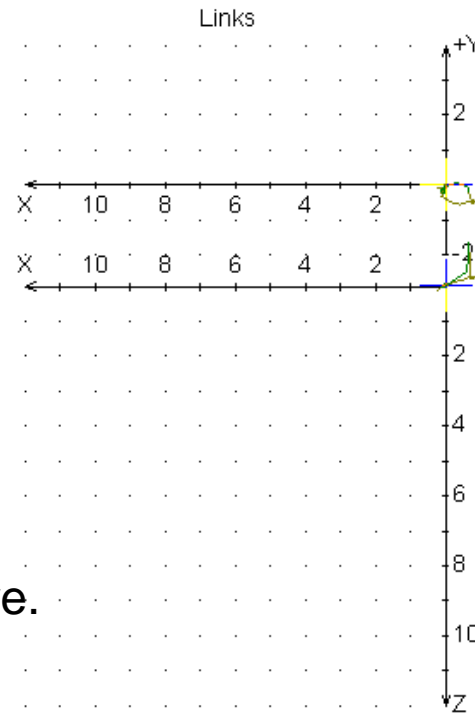
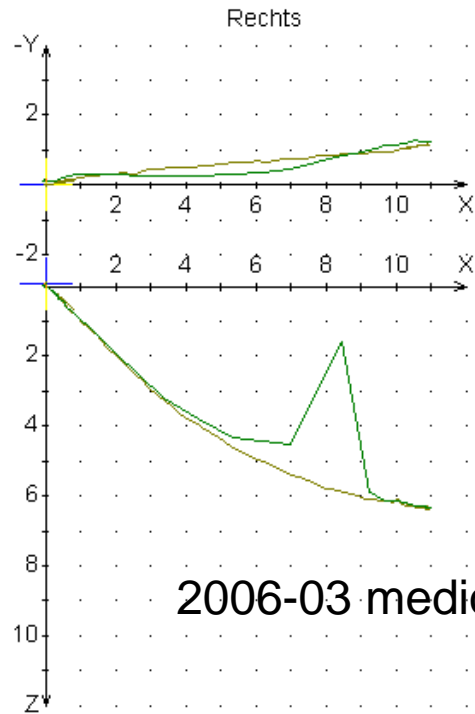
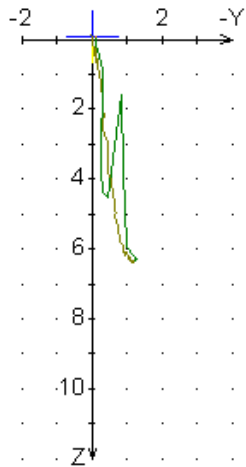
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2009-06 after KFO

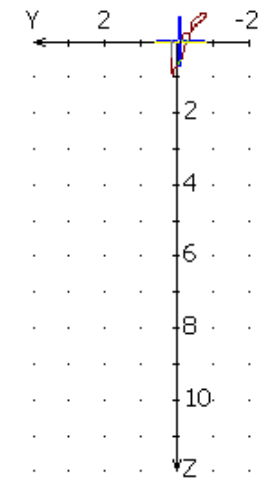
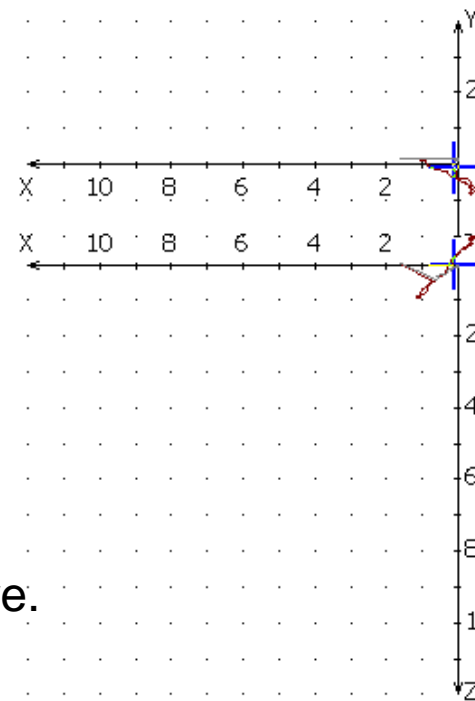
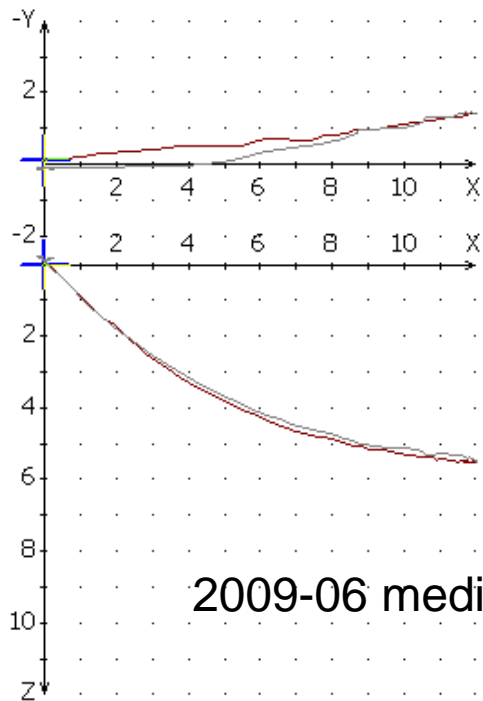
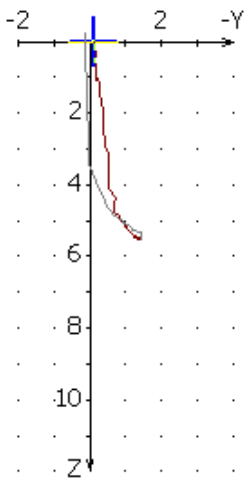
Protrusion / Retrusion



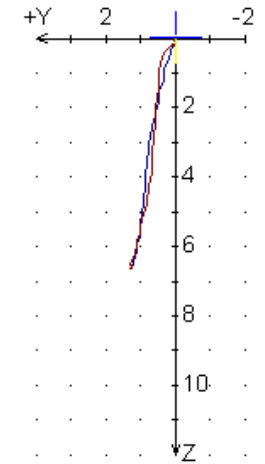
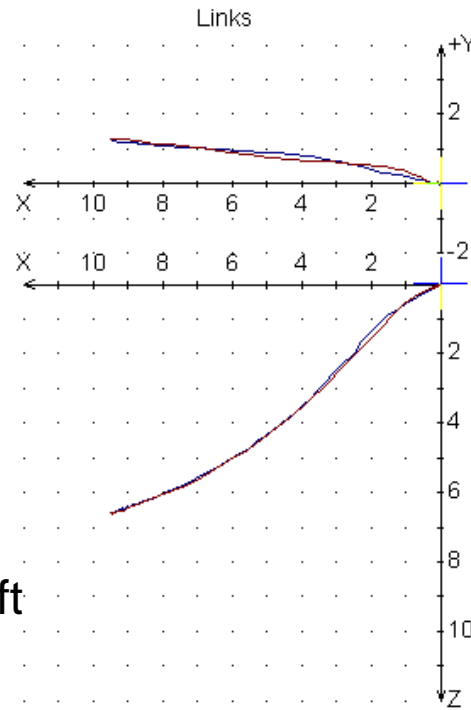
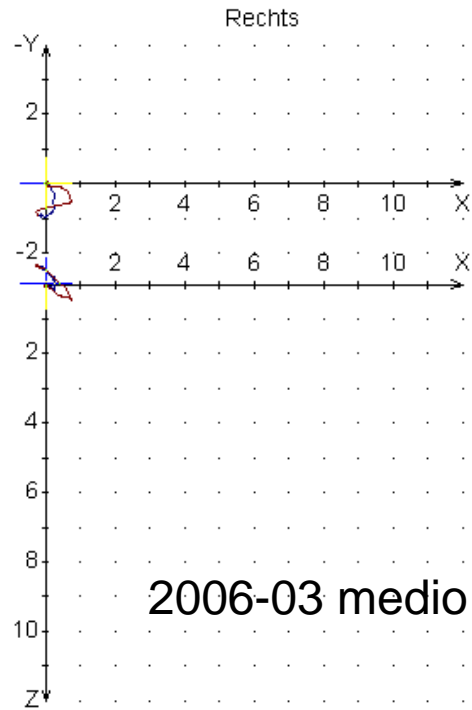
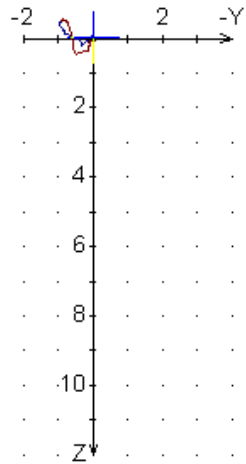




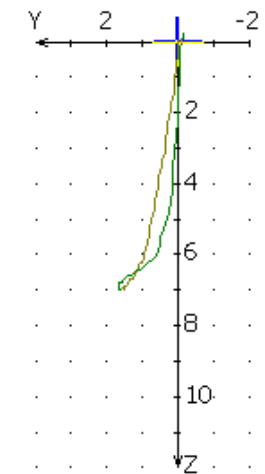
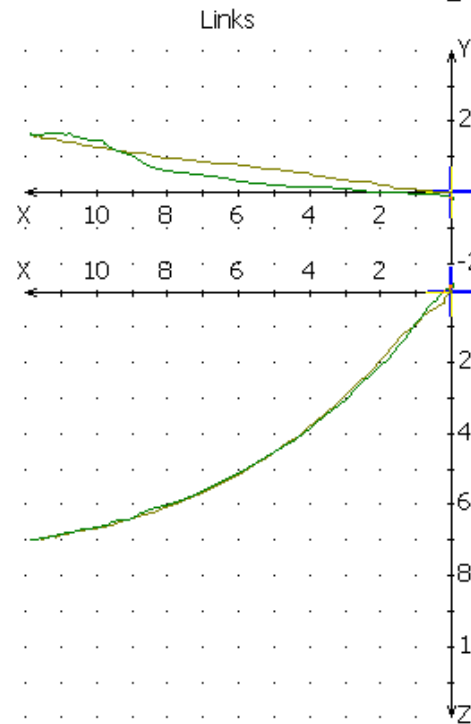
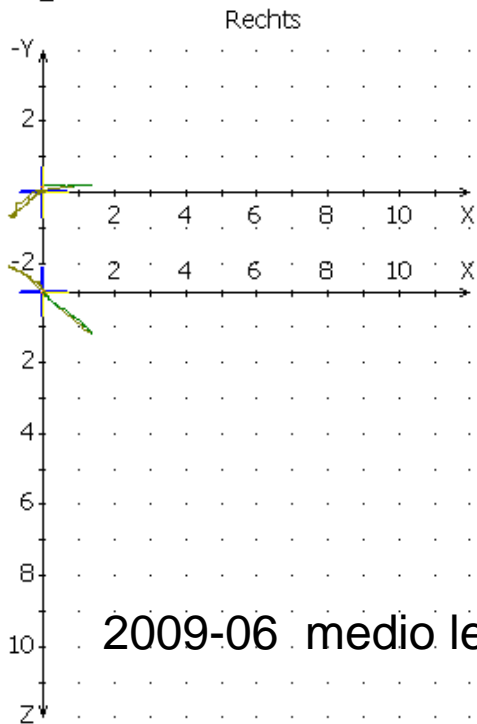
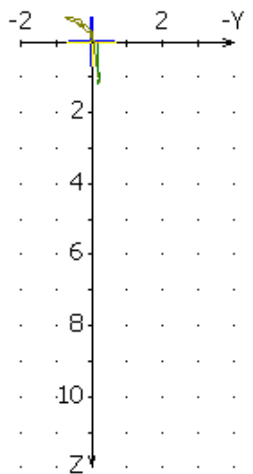
2006-03 medio re.



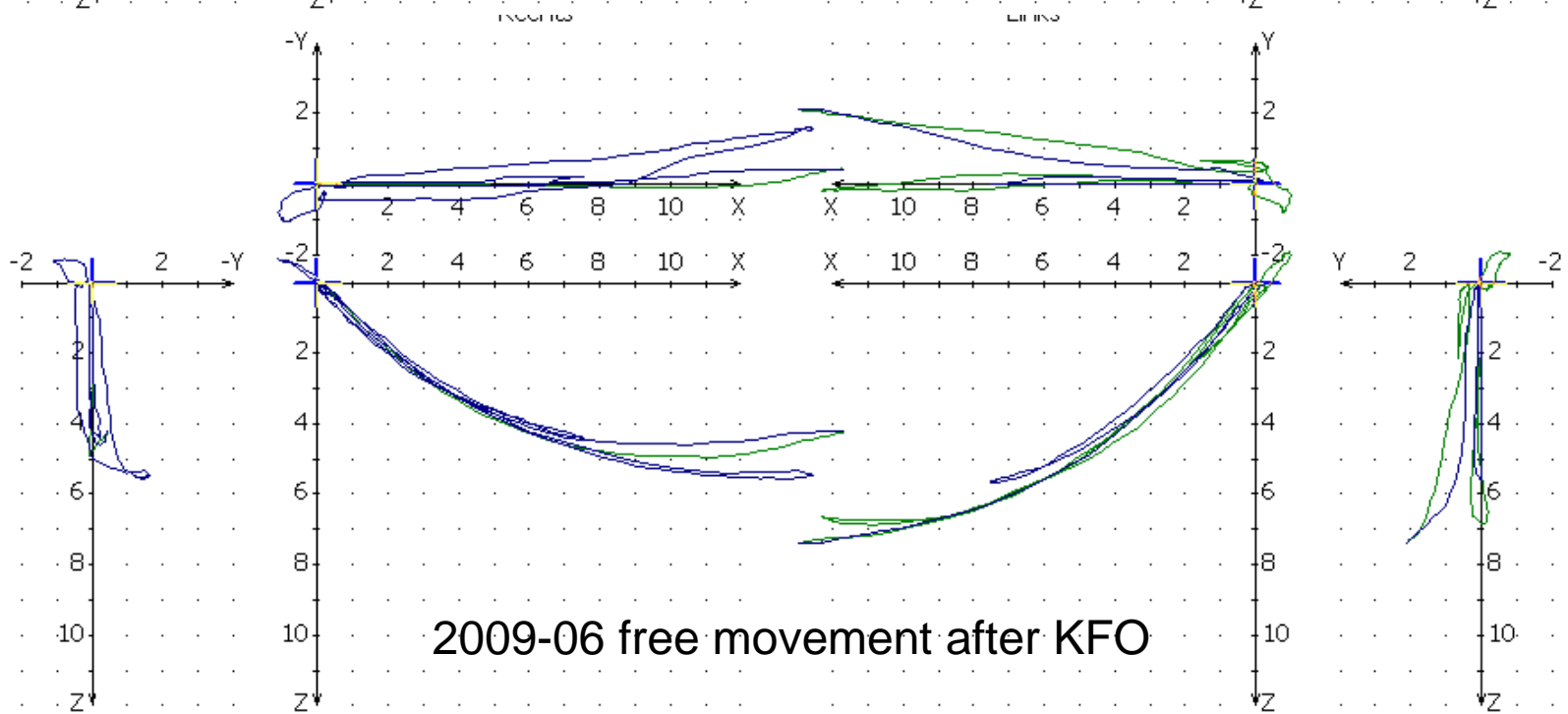
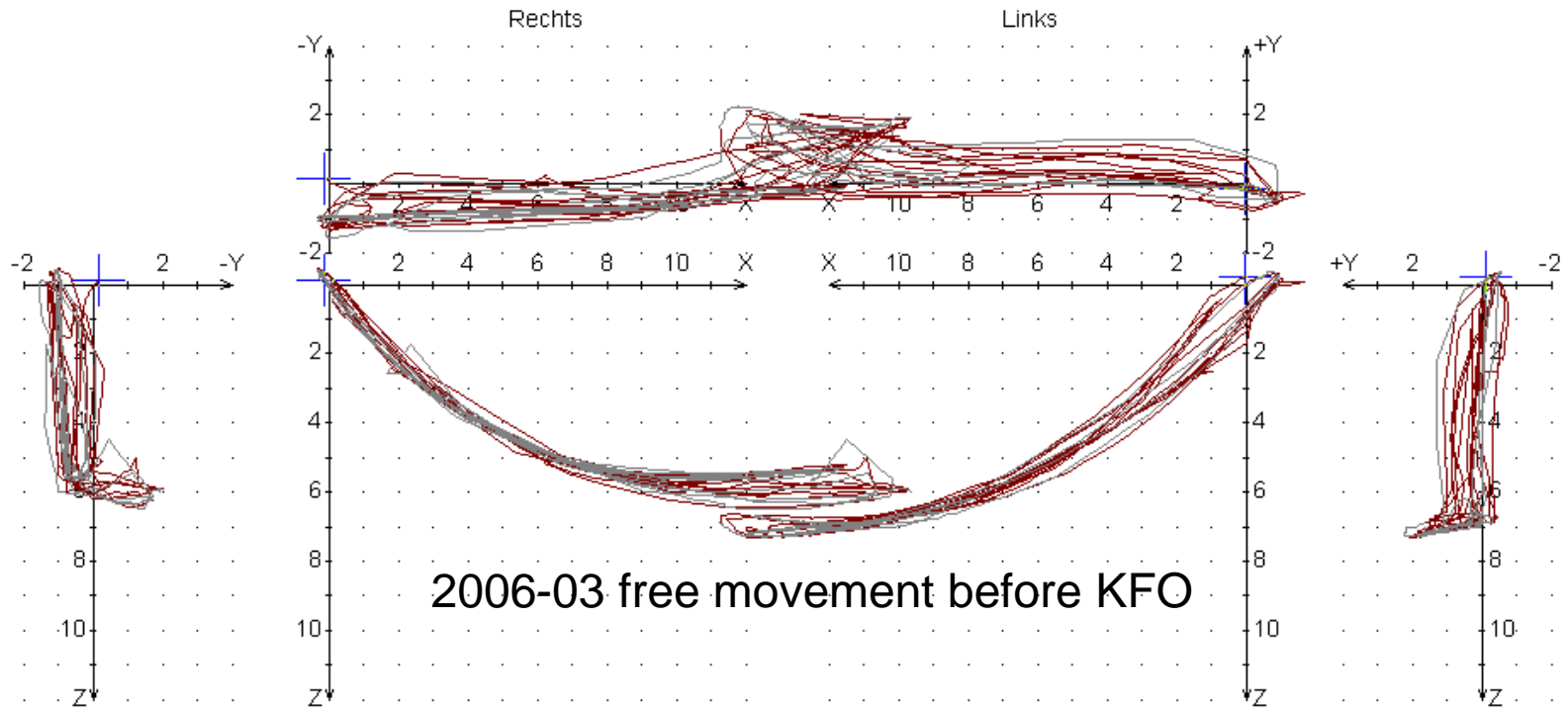
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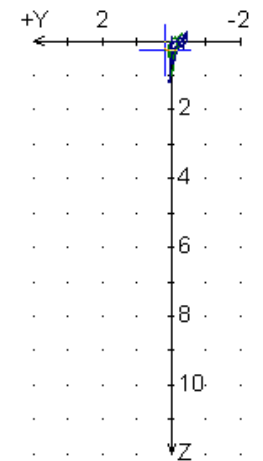
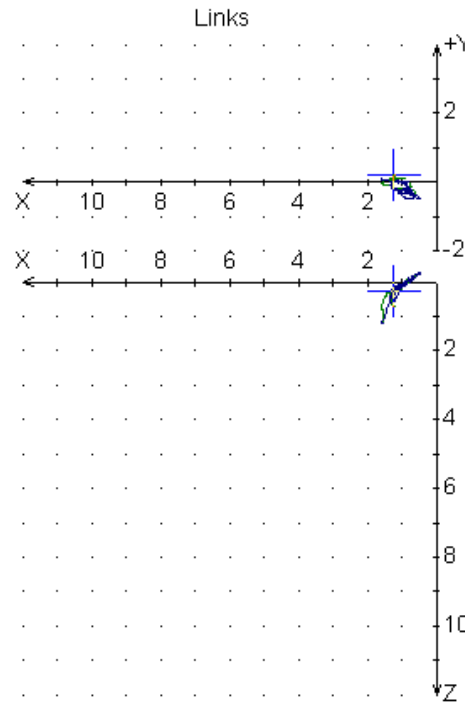
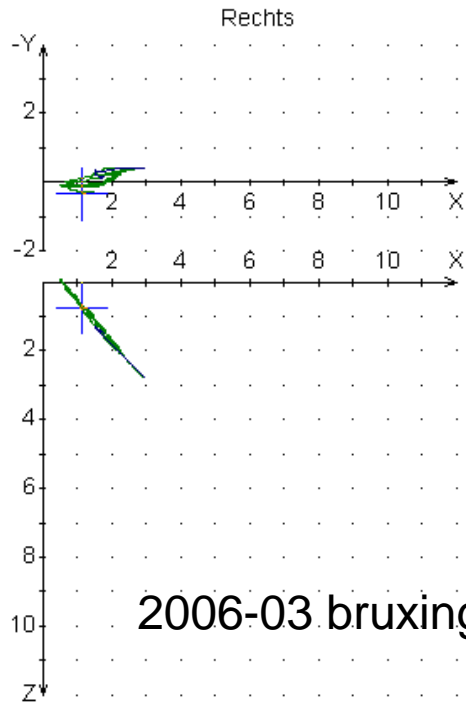
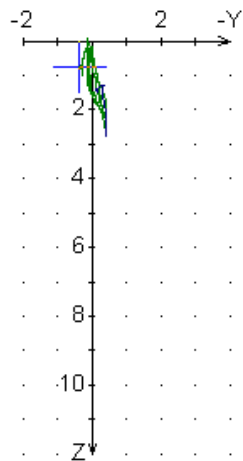


2006-03 medio left

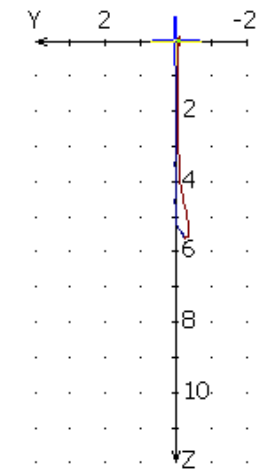
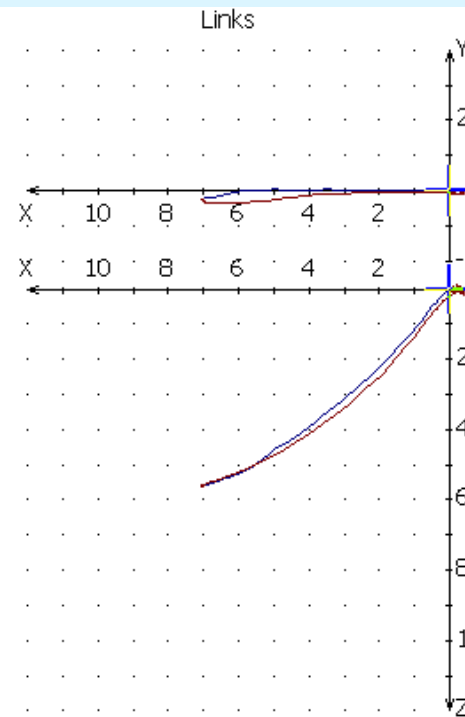
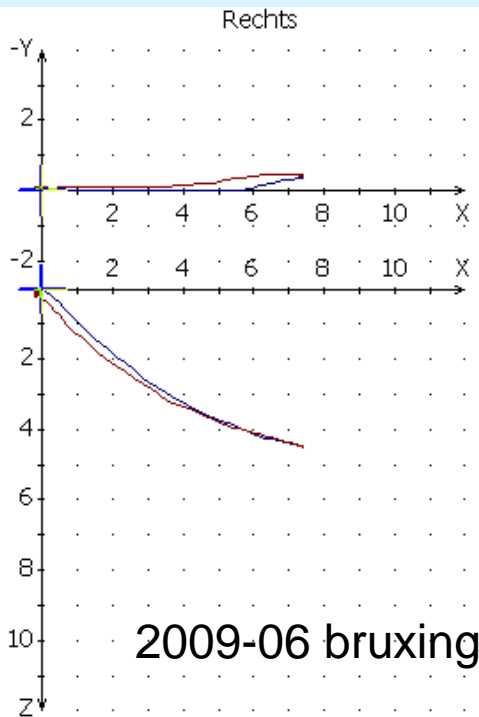
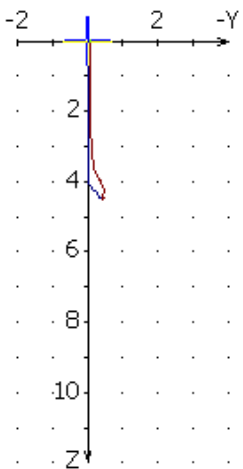


2009-06 medio left

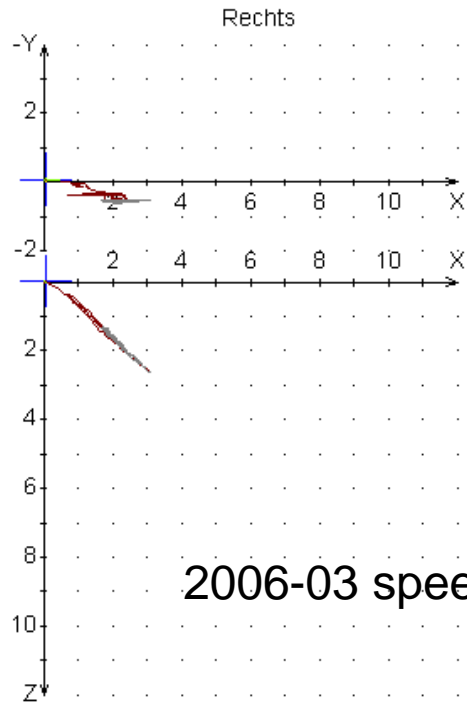
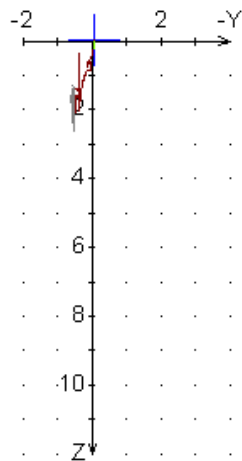




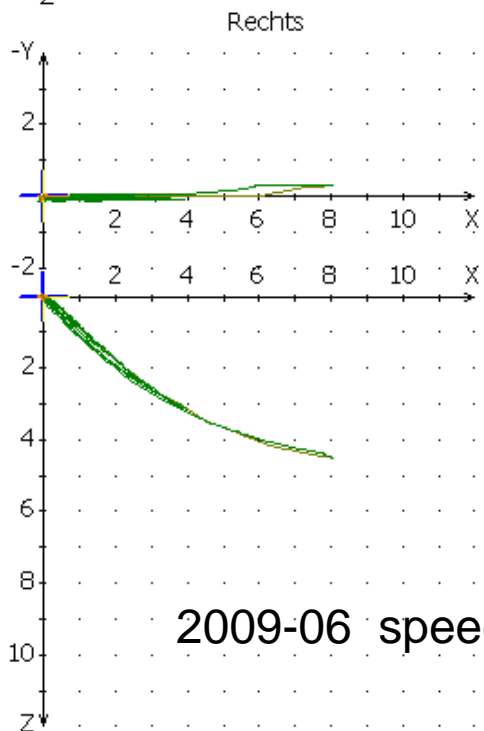
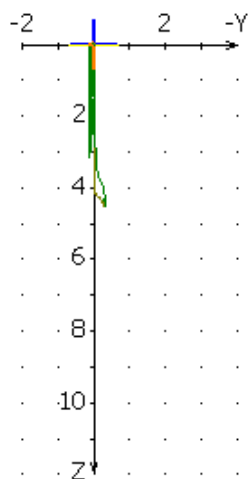
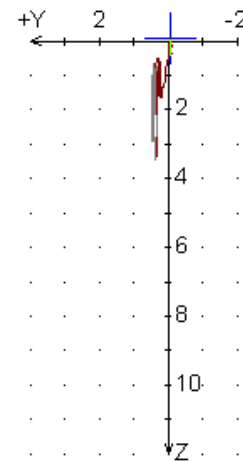
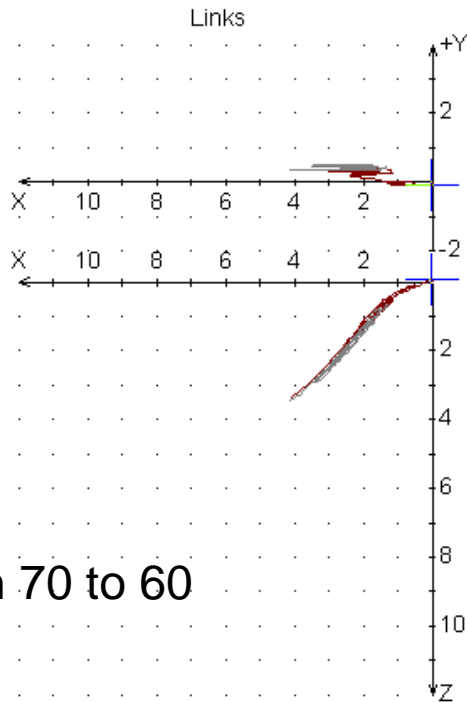
2006-03 bruxing



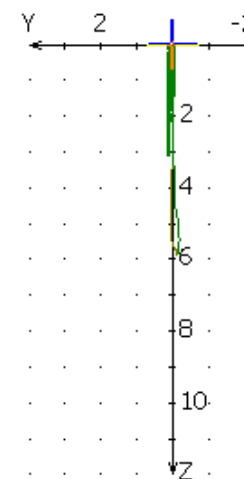
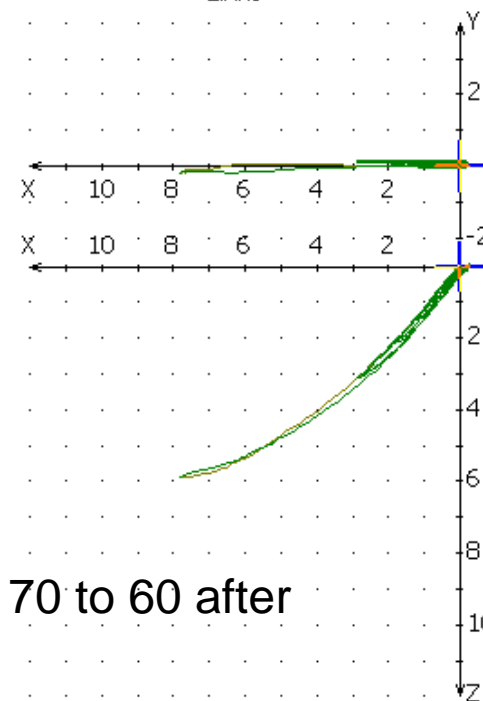
2009-06 bruxing

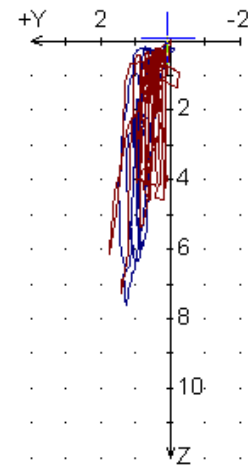
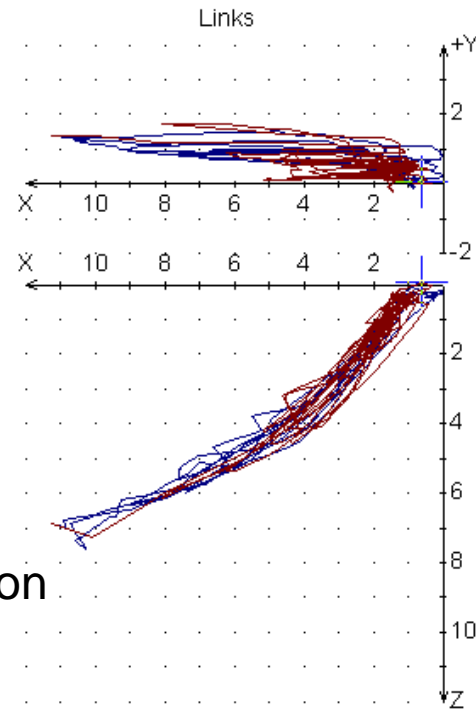
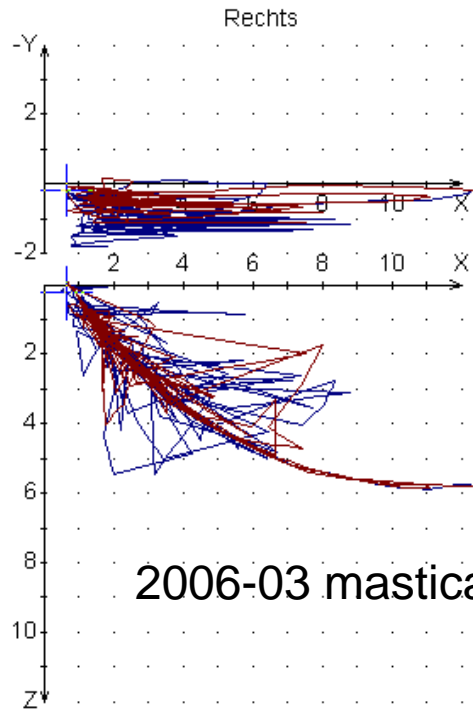
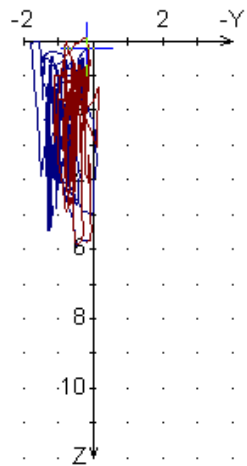


2006-03 speech 70 to 60

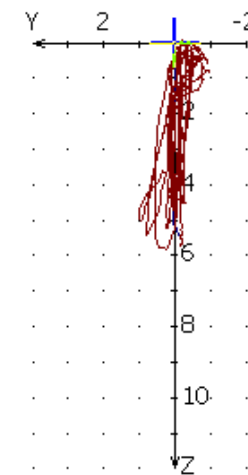
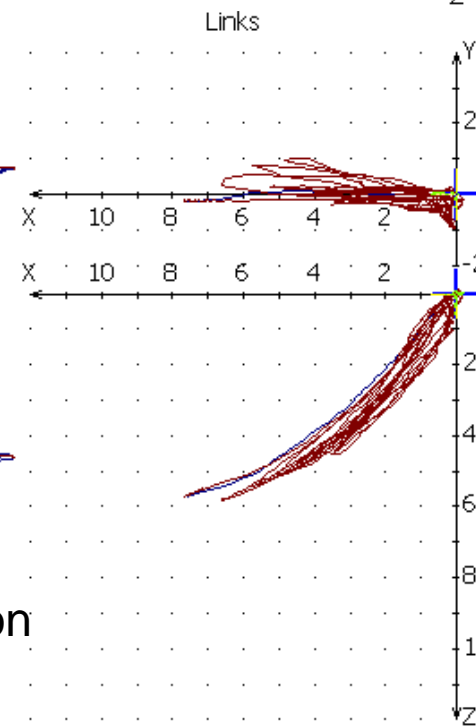
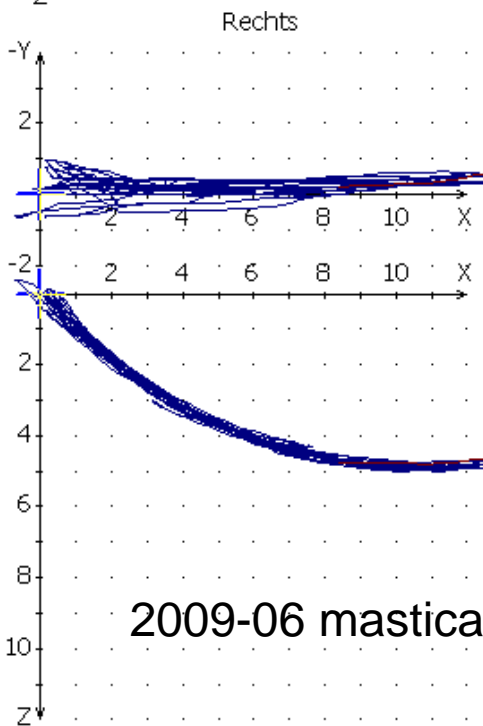
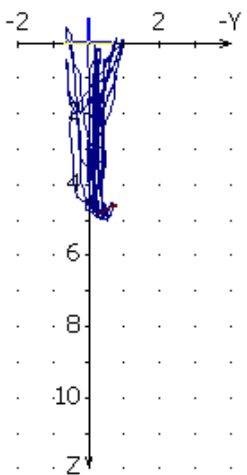


2009-06 speech 70 to 60 after

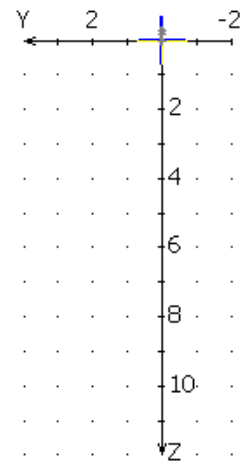
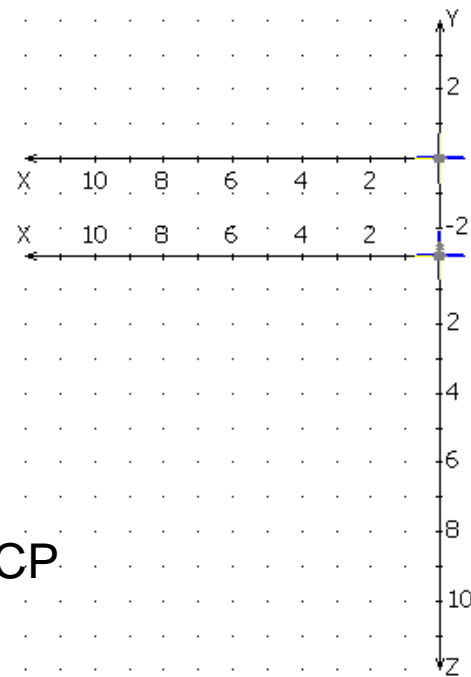
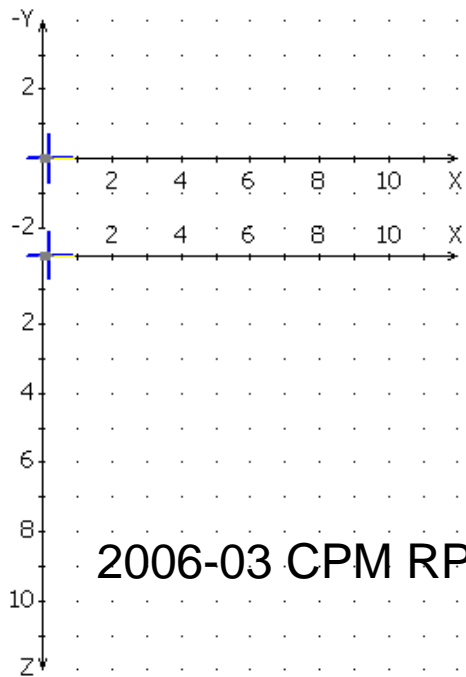
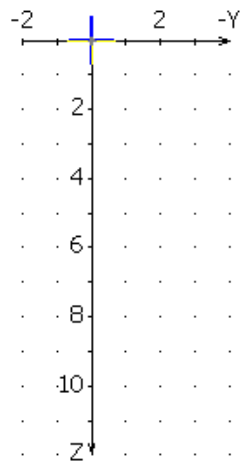




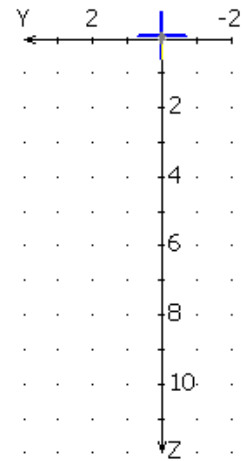
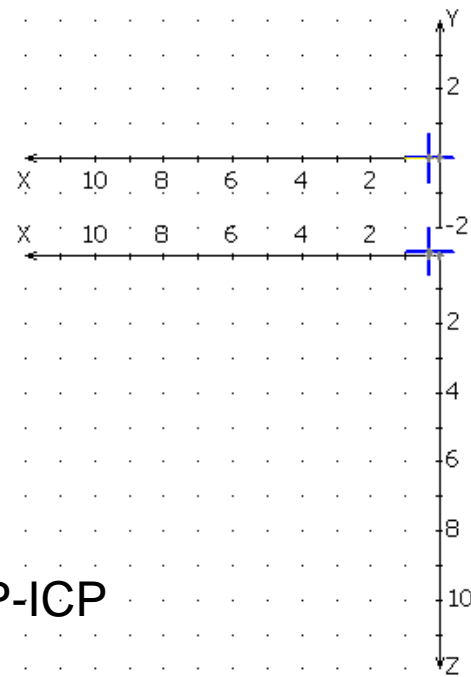
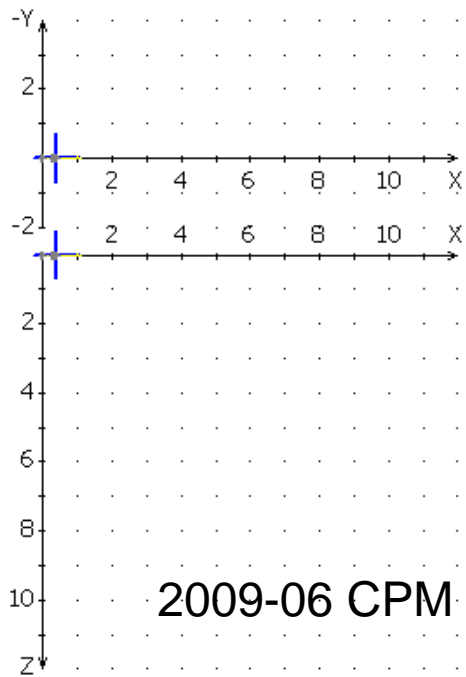
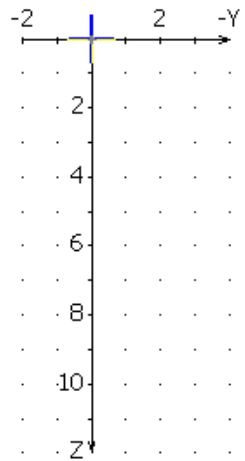
2006-03 mastication



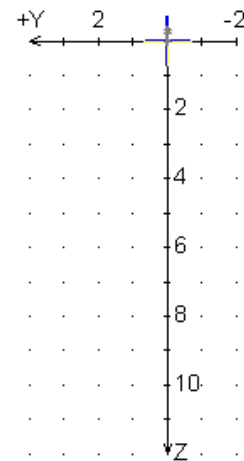
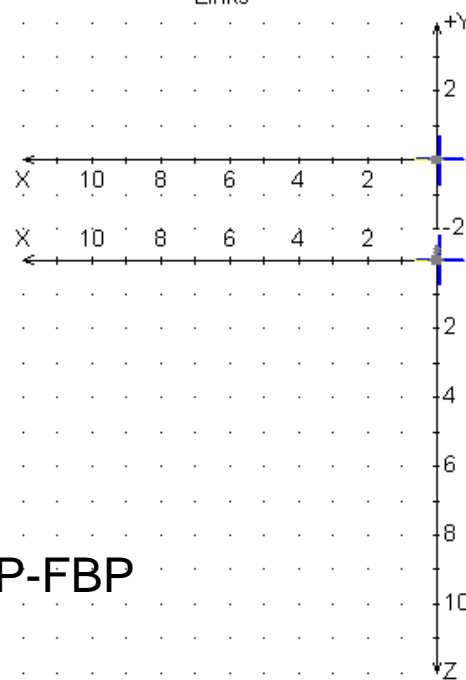
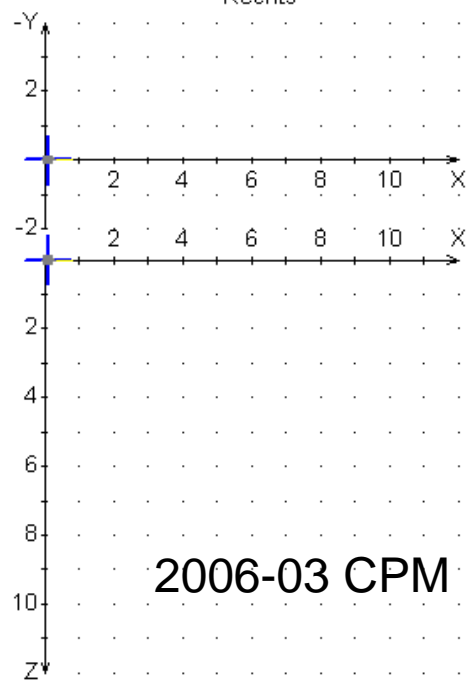
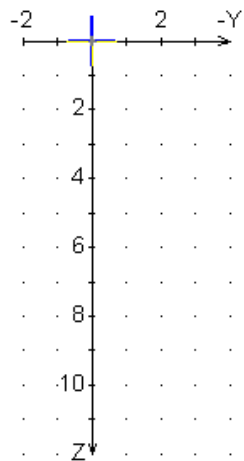
2009-06 mastication



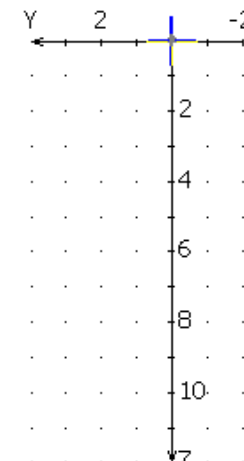
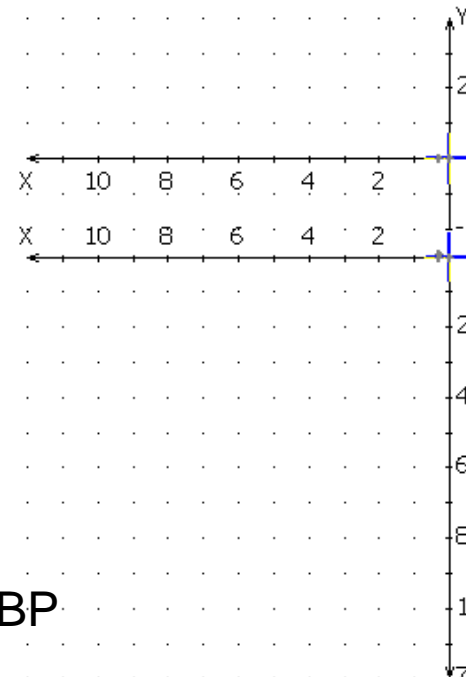
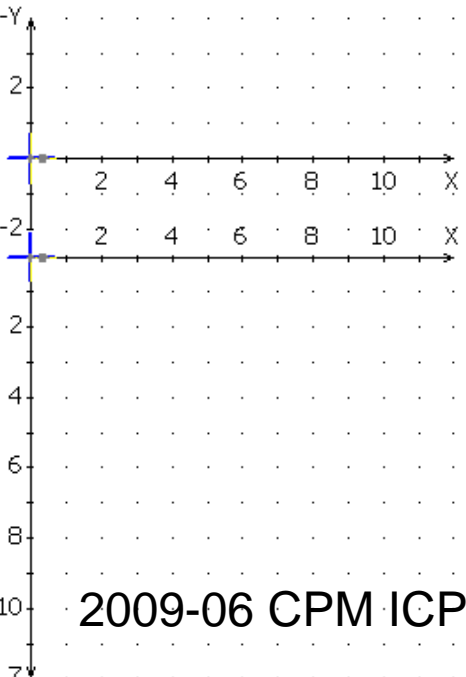
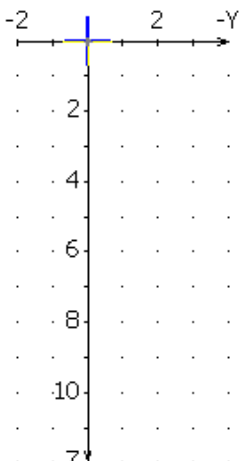
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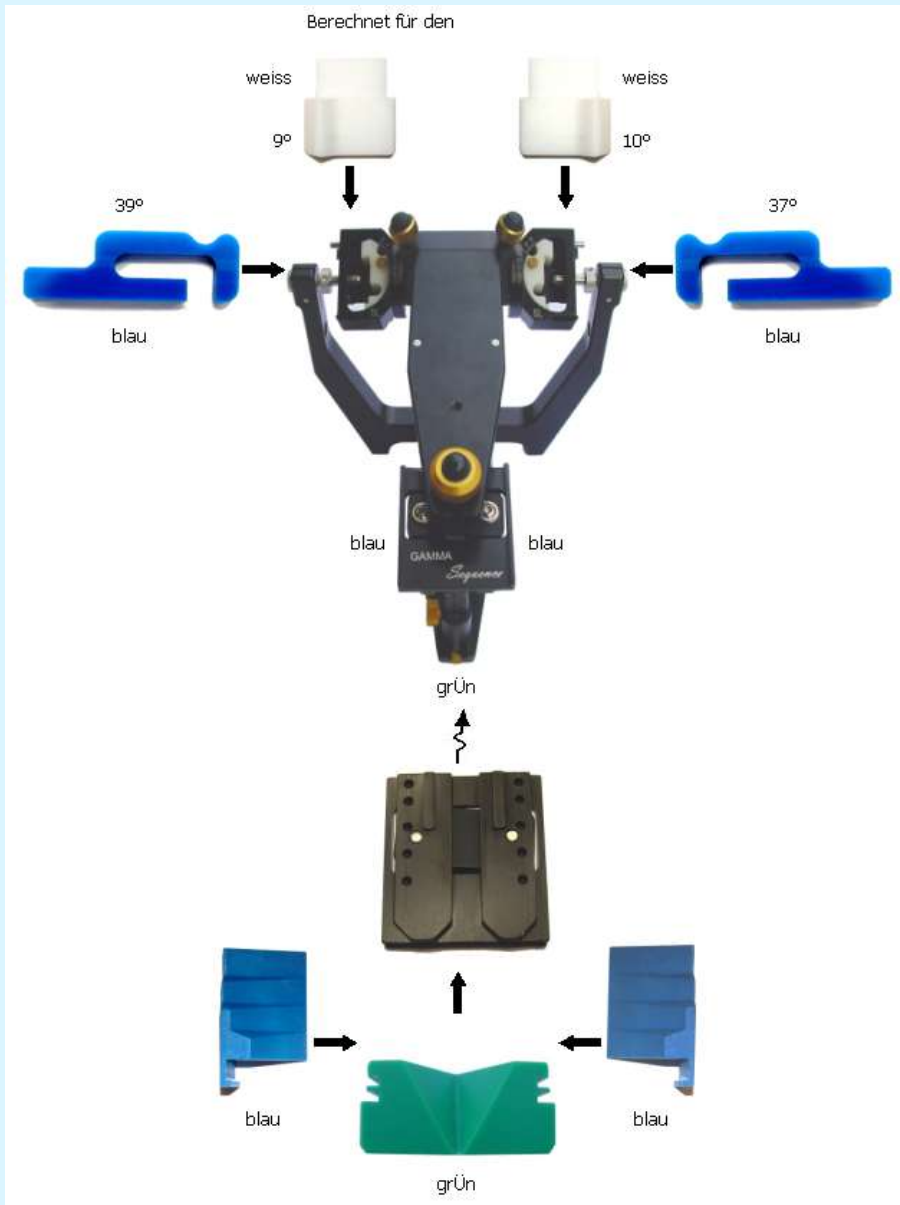
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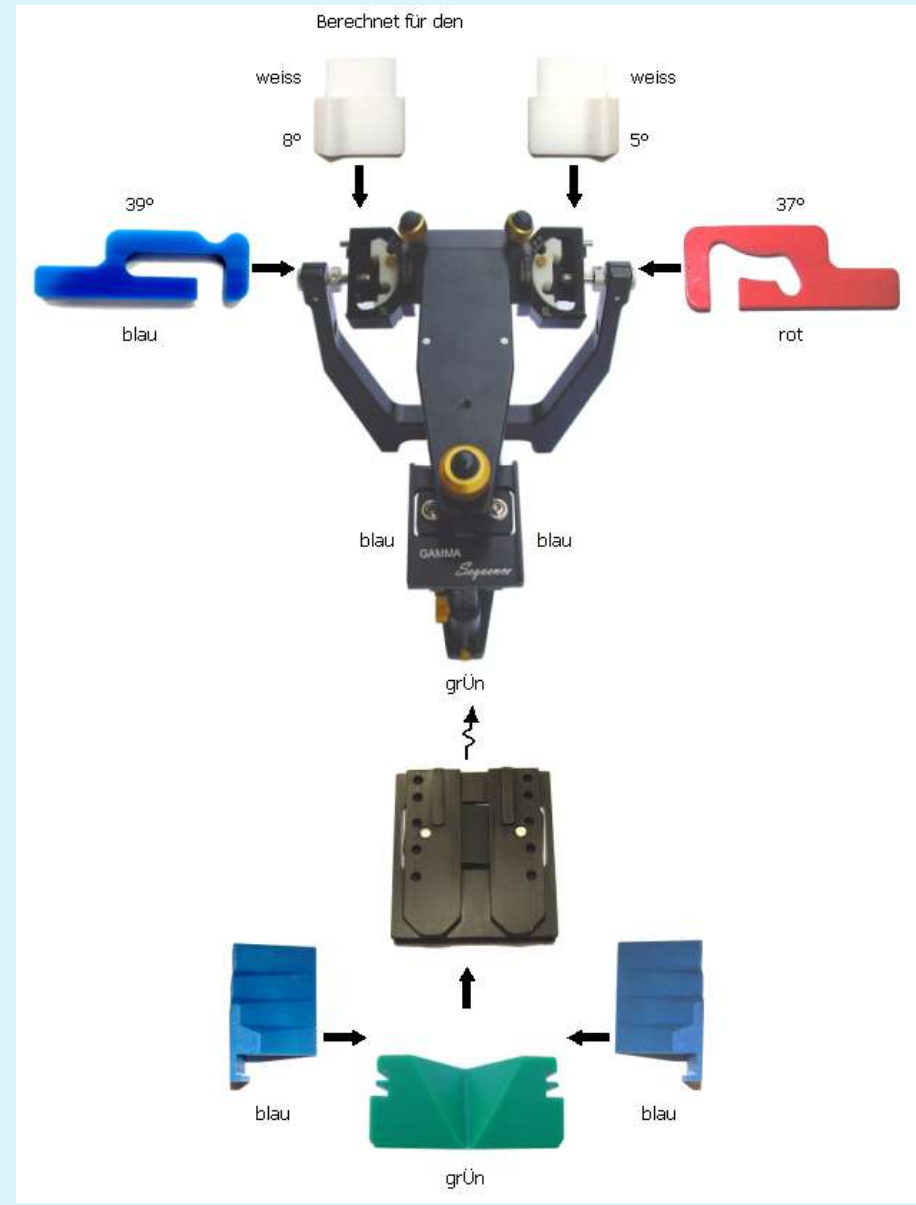
2006-03 CPM ICP-FBP



2009-06 CPM ICP-FBP



2006-03



2009-06

CADIAX® Kurven

	Protrusion		Mediotr. rechts		Mediotr. links	
	SKN r	SKN l	S K N	T K N	S K N	T K N
1.	36,5°	18,9°	81,7°	43,3°	40,1°	8,4°
2.	41,4°	30,5°	45,0°	13,3°	30,8°	10,8°
3.	37,5°	35,9°	44,4°	11,2°	38,5°	13,3°
4.	34,2°	39,0°	44,7°	9,3°	40,5°	12,7°
5.	41,7°	40,3°	43,7°	8,1°	41,1°	11,1°
6.	40,2°	39,9°	42,5°	7,5°	41,1°	9,9°
8.		38,7°	39,2°	6,1°	39,6°	8,5°
10.		35,8°	35,2°	5,9°	37,1°	7,6°
14.						
	Retrusion					
-1.						
-2.						

Sagittale Kondylarbahnneigung Reference® SL

Einsatz	Rechts			Links		
	3. mm	5. mm	10. mm	3. mm	5. mm	10. mm
Gerade	●39°	●39°		●31°	●37°	●38°
Gebogen	33°	35°		25°	33°	41°
Retrusiv	Blau	Blau		Blau	Blau	Blau

Transversale Kondylarbahnneigung Reference® SL

	Rechts			Links		
	3. mm	5. mm	10. mm	3. mm	5. mm	10. mm
WEISS	●11°	●9°	●7°	●9°	●10°	●8°
GELB	0°	0°	0°	0°	0°	0°
ROT	0°	0°	0°	0°	0°	0°
BLAU	0°	0°	0°	0°	0°	0°

Gamma Sequenz Inzisaltisch

Kondylographiewerte für die Berechnungen

Protrusion bei 5 mm: SKN 41.0°

Mediotrusion rechts bei 5 mm: SKN 43.7° TKN 8.1°

Mediotrusion links bei 5 mm: SKN 41.1° TKN 11.1°

Vorgeschlagene Einstellungen für den Sequenz Inzisaltisch

Protrusionselement: GRÜN

Rechtes laterales Element: BLAU

Linkes laterales Element: BLAU

2006-03

CADIAX® Kurven

	Protrusion		Mediotr. rechts		Mediotr. links	
	SKN r	SKN l	S K N	T K N	S K N	T K N
1.	37,3°	30,3°	41,4°	12,0°	41,2°	2,1°
2.	40,1°	39,0°	42,2°	11,2°	42,1°	4,4°
3.	39,9°	41,0°	41,9°	9,3°	44,3°	6,5°
4.	39,0°	41,0°	40,8°	7,5°	44,1°	6,6°
5.	37,2°	41,0°	39,7°	7,6°	43,9°	7,2°
6.	35,6°	40,4°	37,9°	6,2°	43,2°	7,2°
8.	31,5°	38,6°	34,2°	5,9°	40,2°	7,4°
10.			30,0°	6,2°	37,0°	6,8°
14.						
	Retrusion					
-1.	36,6°r	0,4°s				
-2.						

Sagittale Kondylarbahnneigung Reference® SL

Einsatz	Rechts			Links		
	3. mm	5. mm	10. mm	3. mm	5. mm	10. mm
Gerade	●40°	●39°		39°	41°	
Gebogen	34°	35°		●33°	●37°	
Retrusiv	Blau	Blau		Rot	Rot	

Transversale Kondylarbahnneigung Reference® SL

	Rechts			Links		
	3. mm	5. mm	10. mm	3. mm	5. mm	10. mm
WEISS	●9°	●8°	●6°	●4°	●5°	●6°
GELB	0°	0°	0°	0°	0°	0°
ROT	0°	0°	0°	0°	0°	0°
BLAU	0°	0°	0°	0°	0°	0°

Gamma Sequenz Inzisaltisch

Kondylographiewerte für die Berechnungen

Protrusion bei 5 mm: SKN 39.1°

Mediotrusion rechts bei 5 mm: SKN 39.7° TKN 7.6°

Mediotrusion links bei 5 mm: SKN 43.9° TKN 7.2°

Vorgeschlagene Einstellungen für den Sequenz Inzisaltisch

Protrusionselement: GRÜN

Rechtes laterales Element: BLAU

Linkes laterales Element: BLAU

2009-06

Vorher



Nachher (Brackets-Zeit 1 Jahr)



Sato-Technik: Multiloop Edgewise Archwire (MEAW)



vorher

nachher

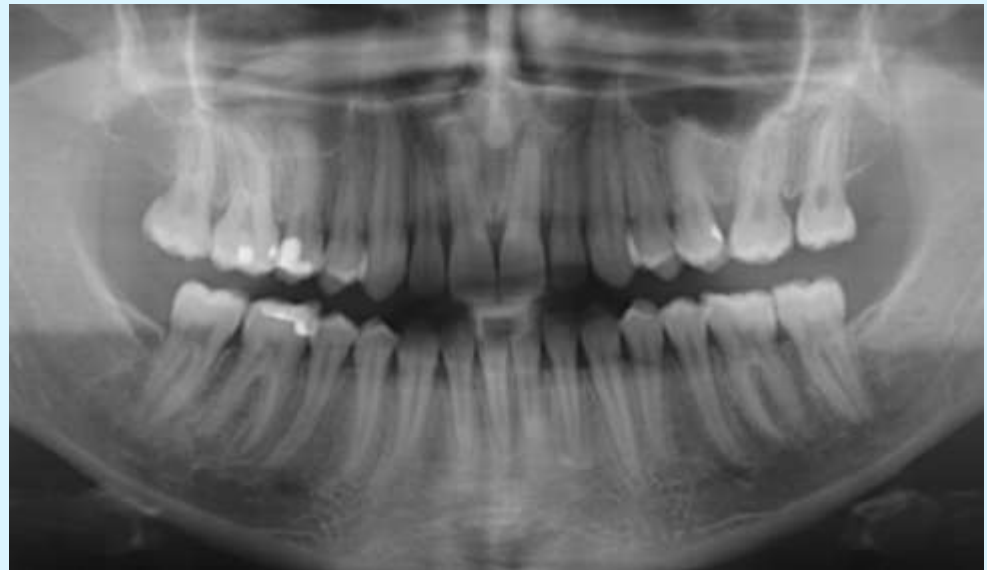




vorher

Vor Extraktion von Eiterzahn
26 und der Weisheitszähne
18, 38 und 48

nachher



Vorher



Nachher



Curriculum

- 2006-06 → Extraktion von 38/48/26 (Endolesion!) und 18 (Dr. Schult)
- 2006-07 → Beginn der KFO nach Sato
- 2007-07 → Ende der festsitzenden KFO (Debracketing)
- Bracketing-Zeit: 1 Jahr
- Set up für Elastoaligner nachts!
- Endanalyse → 2009-06
- Retention mit Sato-Retainer im OK, fixem Retainer im UK von Zahn 33 bis Zahn 43