

Paul Graham

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What is the aim of our examination?

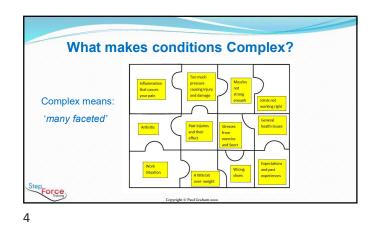
First and foremost to address our patient's concern To do this we need to:

1. gain enough specific information on their current position to understand why the condition is present,

- 2. know what treatment strategy will be required to resolve it, and
- 3. know the expected outcome and how possible it is.

Force









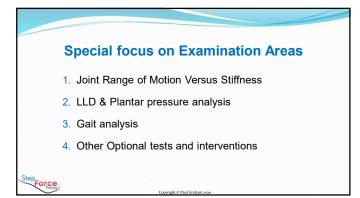




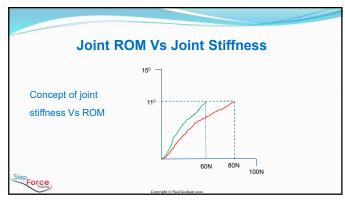
"Start with the end in mind"

- Focus on your patient's history
 - What is their priority?
 - What is their SEM?
- Discover the complexity of the condition
- Catalogue the components
- · Prioritise the main issue based on the above information
- Design a pathway forward and design a plan for your patient

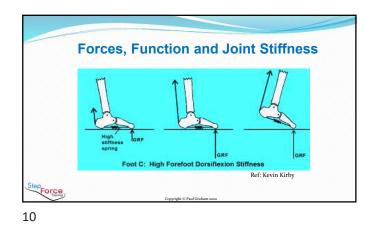
Step



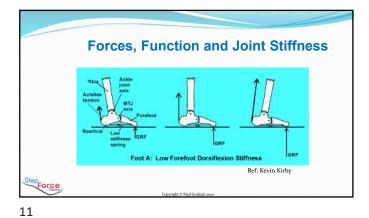










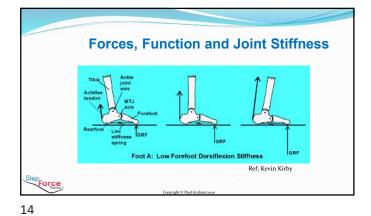




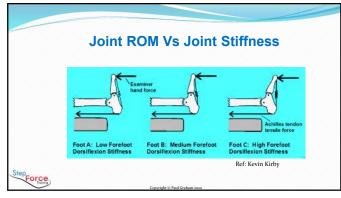














2. Leg Length Differences & Plantar Pressure

A perplexing factor to examine indeed!

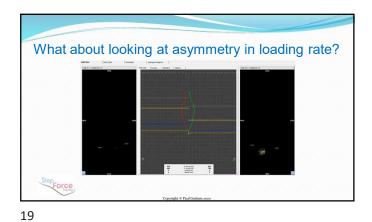
- · Research shows up to 90% of us have one
- Research also notes correlation with foot, knee
 hip and lower back conditions
- · How much difference is too much?
- Is it functional or structural or a bit of both?

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Force







Other reasons for asymmetrical early heel rise

Not all asymmetry is because of a LLD

- · Pain in the ankle, knee or hip of shorter limb
- Trendelenburg gait from weakness of gluteal muscles in opposite hip creating a functional longer leg
- Chronically flexed knee or weak quadriceps limiting extension
- A functional hallux limitus blocking sagittal plane movement

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Force

Dynamic Plantar pressure and LLD

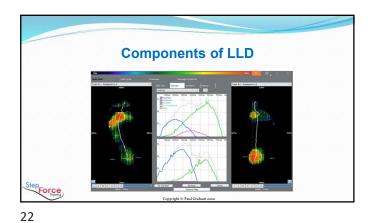
What components should we look for?

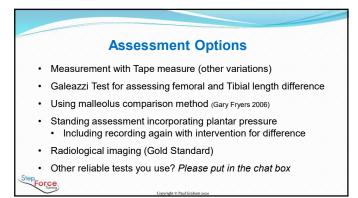
- Asymmetry of loading on pressure map
- Asymmetry of CoP trajectory and it's speed through the foot

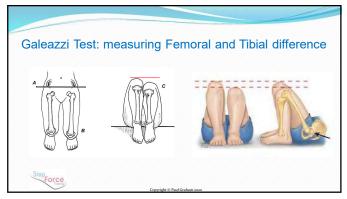
Asymmetry in Pressure Vs Time Graphs

But if we find one what to do next?...

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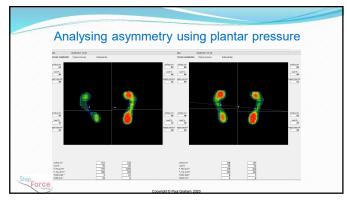




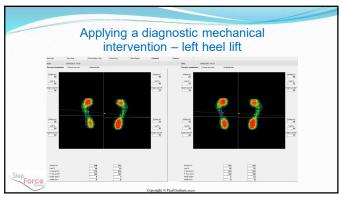


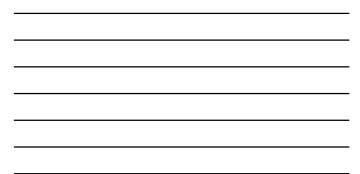


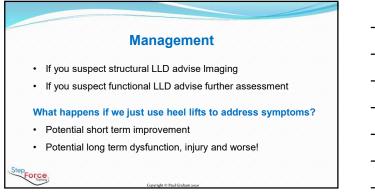


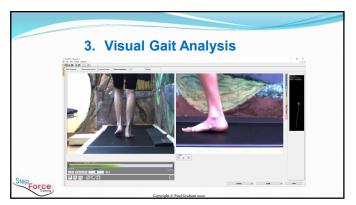


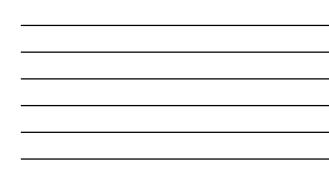


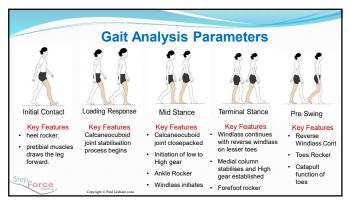


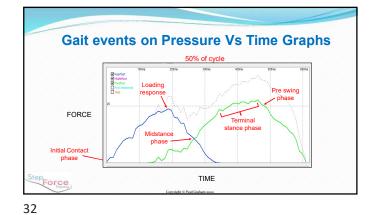






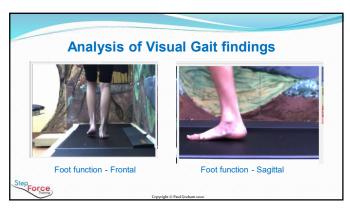






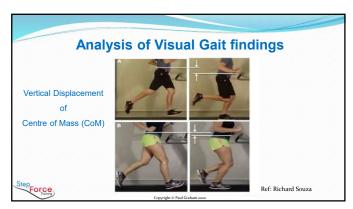


				ait findings
<u>_vi</u>	sual Gait Analysis Impressions:			
Ga	it Features	Right	Left	Notes
He	ad Tilt	Please select	- rase select	
He	ad Forward	Please select	Please select	
Sb	oulder Tilt	Please select	Please select	
An	m Swing	Please select	Please select	
То	rso Side Bend	Please select	Please select	
Pe	lvic Function	Please select	Please select	
Re	sisted Hip Extension	Please select	Please select	
Le	Internal Rotation	Please select	Please select	
Lei	g External Rotation	Please select	Please select	
Tre	endelenburg Gait	Please select	Please select	
Sci	ssor Type Gait	Please select	Please select	
	otective / Compensated Gait	Please select	Please select	
	ee Position	Please select	Please select	
	ee Function	Please select	Please select	
	el position prior to Initial Contact	Please select	Please select	
	kle Dorsiflexion	Please select	Please select	
	ductory Twist	Please select	Please select	
He	el Lift	Please select	Please select	
Drce Fo	MTPJt Dorsiflexion	Please select	Please select	
FOO FO	ot Asymmetry	Please select	Please select	

















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	3	. Optional Int	erv	entions and Tests		
	Name: Mr Test Patient Tests:		Dat	te of Birth: 11/07/2000	Dated:]
	Test Selected	Outcome Right Foot	Top 3	Test Selected	Outcome Left Foot	Top
1	Ankle DorsiFlexion - Straight leg	Mod restricted		Ankle Dorsiflexion - Straight leg	WM,	
2	Talar Congruency Test	Some ROM restriction	¥	Talar Congruency Test	WM,	
	Hop Test	1 metre	•	Hop Test	1.5 Metres	
- 3		Very poor Balance		Y Balance Test	Fair symmetry	
	Y Balance Test			Please select		
4	, Y Balance Test Please select		1	ENVIOR PRINCI		
4 5			H	Please select		

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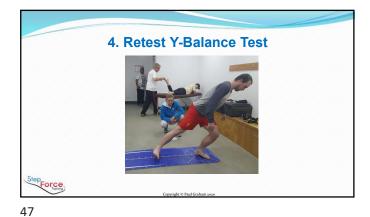




		3.	Optional Int	erv	entions and Tests		
	ame: [Mr Test Patient		Dat	te of Birth: 11/07/2000	Dated:	
Т	est Select	ed	Outcome Right Foot	Top 3	Test Selected	Outcome Left Foot	To
1. An	de DorsiFlexio	n – Straight leg	Mod restricted		Ankle Dorsifiexion - Straight leg	WM,	1
2. Ta	ar Congraency	Test	Some ROM restriction	V	Talar Congruency Test	WM,	
3. He	p Test		1 metre	4	Hop Test	1.5 Netres	
	alance Test		Very poor Balance		Y Balance Test	Fair symmetry	
4. 1					Please select		
5. Ph	ase select						
5. Ph	ase select ase select				Please select		

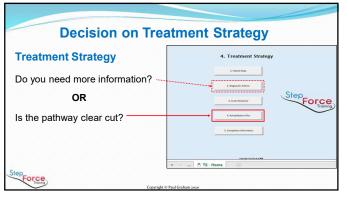








	Intervention Selected	Outcome Right Foot	Top 3	Intervention Selected	Outcome Left Foot	Top 3
1.	Arch Elongation Taping	Y Balance Tets slight improvement	V	Please select		
2.	Combined FF Eversion / RF Inversion	Further improvent.	V	Please select		
3.	Please select	¥		Please select		
4.	Please select			Please select		
5.	Please select			Please select		
6.	Please select			Please select		
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