

Who is choosing Osseointegration? ... Current Client Profiles



Presenter:

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on behalf of the **Osseointegration Group of Australia.**



Osseointegration – not “new”



1960's
Dentistry



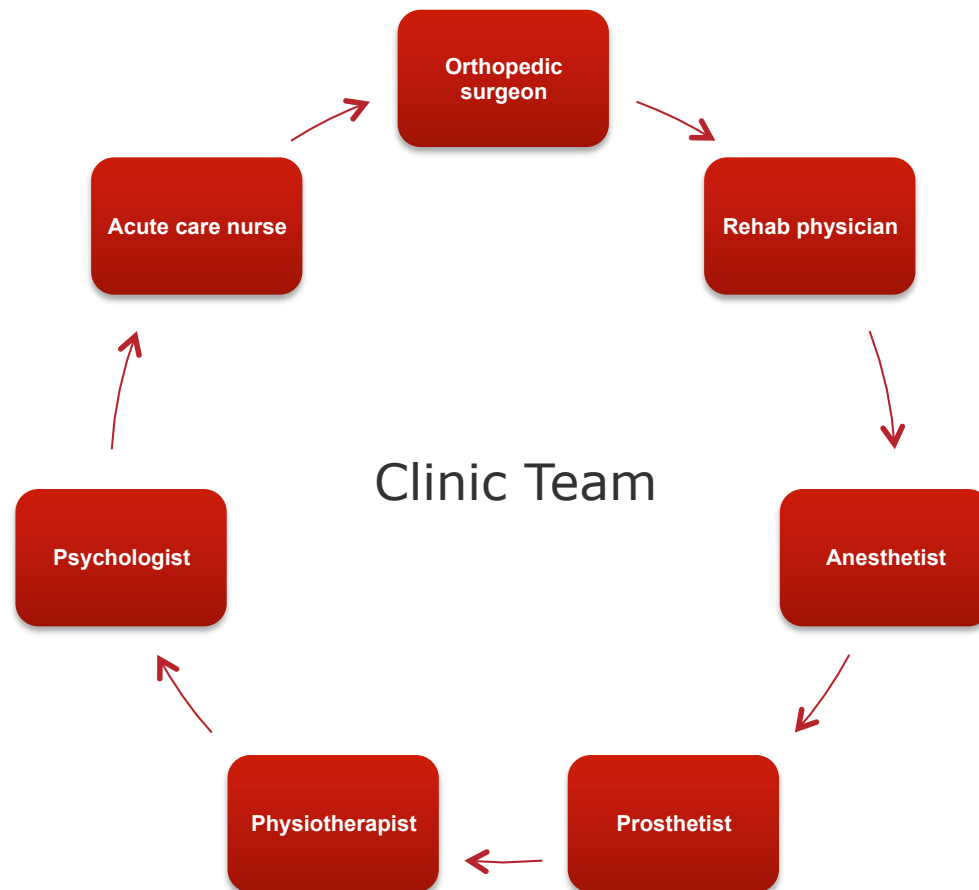
1980's Maxillo
Facial



1990's
Prosthetics

What is new...?

- Osseointegration Clinic, Sydney - Established May 2011



- Utilizing the ILP Prosthetic system



What Osseointegration means:



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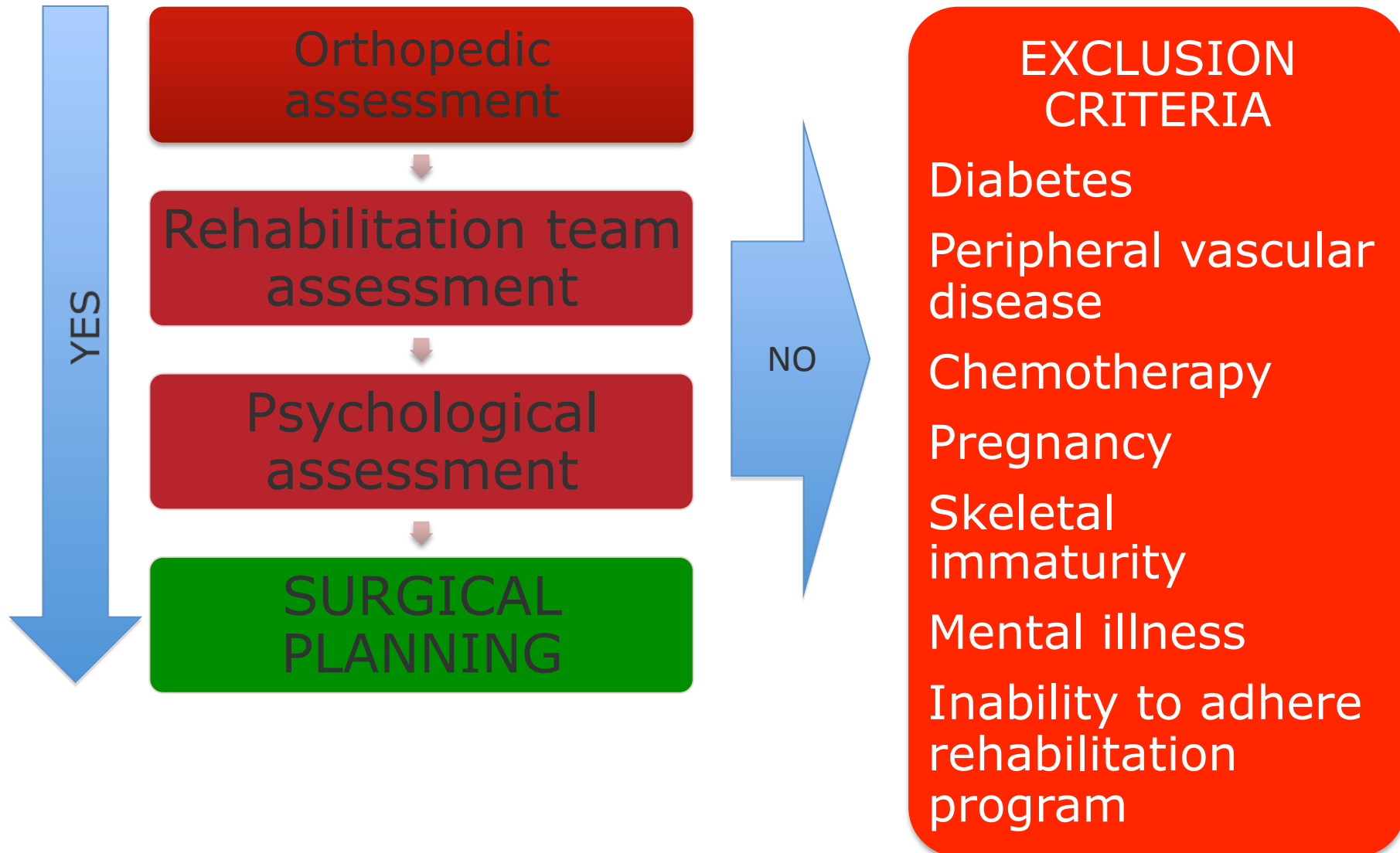


What NOT having a socket means to an Amputee ...



- No Sweating
- No “sock juggling” – juggling fit
- Ease of sitting ... ANYWHERE!
 - Bar stool/Bike/Toilet seat/Aeroplane
- No Suspension issues
 - No fear that the limb will fall off
- Easy to put on and take off
- People can sit on your lap comfortably
- Putting on trousers without worrying about the the “butt bulge”
- Etc ... the list goes on ...

Criteria FOR PATIENT SUITABILITY



What do the clients look like?

	Sydney
N=	17
Male	13
Female	4
Age	49
(min-max)	(23-73)
Age at Amputation	33
(min - max)	(4-59)
Years since Amputation	14.75
(min - max)	(0.33-46)
Cause:	
Trauma	12
Tumour	2
Infection	3



Physical Characteristics:



Clients	BMI from Weight/Height	Adjusted BMI	Length Of Residuum	Pre-Surgery Activity
B	20.3	22.3	medium	K3
C	32.9	35.8	long	WC - K0
D	25.5	27.7	long	K3
E	31.4	34.2	medium	K3
F	30.2	32.9	long	WC - K0
G	19.6	21.3	short	WC- K0
H	23.2	25.2	long	K3
I	25.4	27.6	long	N/A
J	31.8	34.6	medium	K1
K	27.8	30.2	medium	K3
L	19.6	21.3	<i>short</i>	K2
M	26.5	30.5	medium	WC -K0
N	29.2	31.8	medium	K3
O	23.5	25.6	<i>short</i>	K3
P	22.6	24.6	short	K2
Q	18.2	19.8	medium	K4
R	21	22.9	medium	K2

Physical Characteristics – Summary



Adjusted BMI	Length	Pre- Surgery Activity
Normal - 6	Short - 4	K0 - 4
Overweight - 4	Medium - 8	K1 - 1
Obese - 7	Long - 5	K2 - 3
		K3 - 7
		K4 - 1

Activity Definitions:

K0 - a prosthesis does not enhance quality of life or mobility.

K1- Typically of the limited and unlimited household ambulator.

K2- Typical of the limited community ambulator.

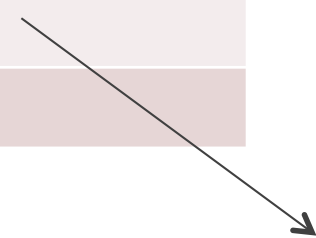
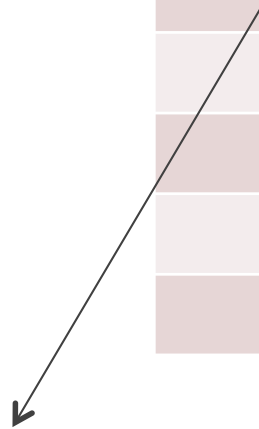
K3- Typical of the community ambulatory who has the ability to traverse most environmental barriers and may have vocational, therapeutic or exercise activity that demands prosthetic use beyond simple locomotion.

K4- Typical of the prosthetic demands of the child, active adult or athlete.

Physically – Summary



Pre- Surgery Activity
K0 - 4
K1 - 1
K2 - 3
K3 - 7
K4 - 1



Pre- Surgery Activity
K0 - 4
K1 - 1
K2 - 3

Group 1: No or Low activity
with a Prosthesis

Pre- Surgery Activity
K3 - 7
K4 - 1

Group 2: High Activity
with a Prosthesis

EXAMPLES OF THE 2 GROUPS



CASE STUDY – Group 1



- Sex: Female
- Length: Long
- Adjusted BMI: Obese
- Activity: K0 – uses a wheelchair.
- Dissatisfied with current level of activity.
- Goal: To walk again!

CASE STUDY – Group 1



- **OUTCOME:**
 - Walking full-time
 - Playing golf regularly
 - K0 to K3

CASE STUDY: Group 2



- Sex: Male
- Length: Long
- Adjusted BMI: Normal
- Activity: K3 – uses a prosthesis 12+ hrs per day ...
- Believes that there is more that he could be doing!
- Goals: Increase comfort!!
- Decrease sweat.
- Increase activity.



- Outcome
 - Still using the prosthesis 12+ hours a day
 - Everything is more comfortable +++
 - Easier to do things
 - Travel on planes
 - Sit on an exercise bike seat
 - Sit on a toilet seat
 - Increased activity
 - K3-K4

Overall Post Osseointegration Activity:



Activity Level	Pre-Surgery	Post Osseointegration
K0	4	
K1	1	2
K2	3	5
K3	7	7
K4	1	3

Summary:



- Removing the need for a socket appears to provide significant benefits to 2 specific types of people:
 - Those who cannot use a prosthesis
 - Those who want to do more with ease.
- Please take the opportunity to ask the OI clients “What made you choose OI?”



Questions?

Thank you!

