

**Subject:** TPI Physical Screen Results

**From:** TPI Customer Service <cs@mytpi.com>

**To:** rory@ankgolf.com.au

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CERTIFIED

Nicholas Ong

**Screen Type**

TPI PHYSICAL  
SCREEN

**TPI Certified Instructor**

RORY RUSSELL

**Date**

5/12/2018

Setup Posture

Result: ●

The ability to move and control the position of the pelvis is critical for optimal power transfer from the lower body to the upper body during the golf swing. You have too much arch in your lower back at set up. We call this position an S-Posture and it can put excessive stress on your lower back as well as cause instability in the core throughout the golf swing.

Pelvic Tilt

Result: ●

The Pelvic Tilt Test assesses overall mobility of the hips and the lumbar spine as well as the ability to control the position of the pelvic posture. The ability to move and control the position of the pelvis is critical for optimal power transfer from the lower body to the upper body during the golf swing.

You have difficulty flattening the curvature (producing less arch) in your lower back from golf posture. This is usually a sign of limited lumbar spine mobility, limited hip extension mobility and/or weakness or lack of control of the abdominals and glutes. This can limit your ability to generate and transfer power from your lower body and stabilize your posture during the golf swing.

Torso Rotation

Result: ●

The Torso Rotation Test checks your ability to rotate the upper body independent of the lower body. This is an important skill needed for properly sequencing the backswing, generating a good separation or coil during the backswing and for rotating the upper body around the lower body through impact and follow through. This movement requires good mobility of the thoracic spine and

simultaneous stability of the lower body.

You have difficulty rotating your upper body independent of your lower body. This can cause your lower body to move excessively or out of sequence during the swing, restrict your ability to coil and load the spine during the backswing and limit your upper body's ability to rotate around your lower body through impact and follow through, thus reducing overall power. This can lead to excessive lateral sway during the backswing, loss of trunk posture during the backswing, and faulty swing planes. It can also cause your hips to outrace your trunk during the downswing and cause you to lose your posture.

Additionally, when your lower body was stabilized by virtue of having your pelvis held still, your torso rotation did not improve in either direction (bilaterally). This is indicative of a mobility issue in your upper body.

## Toe Touch

Result: ●

The Toe Touch Test is a great test for overall mobility in the lower back and hamstrings. Additionally, it can help identify a hip issue versus a lower back/core limitation.

It is difficult for you to bend over and touch your toes with your knees locked. This can be due to a bilateral hip restriction or inflexibility in your lumbar spine, calves and hamstrings. These limitations can make it difficult to set up in a good golf posture and maintain that posture throughout your swing. Hip restrictions can make sitting into your right hip on the backswing and posting into your left hip during the downswing seem impossible. They can also lead to lower back and hip pain while playing golf.

In your case, it is difficult for you to bend over and touch your toes with your knees locked independently or together.

## Lower Quarter Rotation

Result: ●

The Lower Quarter Rotation Test measures rotational mobility of both the left and right lower extremities (this includes the hips, knees and ankles) in the backswing to determine if there may be an increased chance of excess lateral motion (Sway) or Loss of Posture.

When turning in the same direction as your backswing, you have normal range of motion in both lower extremities. This will help you rotate and maintain a stable posture on the backswing as opposed to a Sway.

The Lower Quarter Rotation Test measures rotational mobility of both the left and right lower extremities (this includes the hips, knees and ankles) in the downswing to determine if there may be an increased chance of excessive or reduced lateral motion (Slide or Hang Back) or Loss of Posture.

When turning in the same direction as your downswing, you have limited rotation

on the left (lead) lower extremity and normal rotation of your right (trail) lower extremity. Any reduction in rotation on the left lower extremity can lead to an inability to rotate properly on the downswing without coming out of posture through impact.

### Wrist Flexion/Extension

Result: ●

In the Wrist Flexion Test, you have normal range of motion when flexing (bowing) both wrists. This excellent result will help you maintain a square clubface as you set and release the club throughout the swing.

In the Wrist Extension Test, you have limited range of motion when extending (cupping) both wrists. This mobility limitation can adversely affect your ability to set and release the club properly throughout the swing. When the trail wrist is limited in extension, players either let their trail palm come off the club at the top (Flying Elbow) or during the downswing (Casting, Scooping), lose width in their arms (Chicken Winging), change the path of the club during transition and impact (Over-the-Top) and ultimately lose speed and accuracy through impact.

### Pelvic Rotation

Result: ●

The Pelvic Rotation Test checks your ability to rotate the lower body independent of the upper body. This is an important skill needed for properly sequencing the downswing and to allow for a good separation between the upper and lower body. This movement requires good mobility of the spine, hips and pelvis, along with simultaneous stability of the thorax.

You have difficulty rotating your lower body independent of your upper body. This can prevent you from initiating the downswing with a proper sequence and limit the coil between your upper and lower body.

Additionally, when your upper body was stabilized by virtue of having your shoulders held still, your pelvic rotation showed improvement in both directions (bilaterally). This is indicative of a stability issue in your spine or upper body.

### Overhead Deep Squat

Result: ●

The Overhead Deep Squat Test is one of the most informative tests that can be performed on a golfer. We have found several correlations between this test and the golf swing through research at the Titleist Performance Institute. If a golfer is unable to perform a full deep squat with their heels on the ground, it is almost impossible to maintain posture during the downswing. We usually see these golfers thrust their lower bodies towards the golf ball and raise their torsos up during the downswing (Early Extension). This is usually due to either tightness in their calf muscles and/or lack of pelvic stability due to weakness in their core.

We also see a strong correlation between players standing up out of their posture during the backswing (Loss of Posture/Flat Shoulder Plane) when golfers can't

squat with the dowel over their heads. The Loss of Posture is usually due to limitations in mobility of their Lat muscles and thoracic spines.

In your case, it is tough for you to perform a full deep squat while keeping your heels on the ground and a club over your head. But when the club is removed, you can now perform a full deep squat. This is typically due to restrictions in the upper spine and/or shoulder flexion. This is a key indicator for your ability to maintain good posture at the top of your backswing. Because of this limited range of motion, maintaining a flexed posture from the waist down while elevating your arms during the backswing may be difficult.

It was apparent that you tend to place more stress on your right leg during routine movements, like performing a squat. These imbalances may also show up in your golf swing, causing weight shift disturbances (Sway), loading problems (Loss of Posture), and faulty sequencing (Over-the-Top).

90/90

Result: ●

The total external rotation in your right shoulder is over 90 degrees while standing tall which is excellent (PGA TOUR average is over 90 degrees). This range of motion should allow you to set the club and rotate your right arm into any position that you want during the backswing.

You maintain the same degree of external rotation in your right shoulder when in golf posture (which is good). Some people tend to lose range of motion in their shoulder when bending from the waist due to lack of stability in their shoulder blades.

The total external rotation in your left shoulder is 90 degrees while standing tall (PGA TOUR average is over 90 degrees). Since your range of motion is limited, you may have difficulty properly rotating your left arm through impact. Related swing characteristics from this limitation could be chicken winging, wrist breakdown, high ball flight and excessive backspin.

You maintain the same degree of external rotation in your left shoulder when in golf posture (which is good). Some people tend to lose range of motion in their shoulder when bending from the waist due to lack of stability in their shoulder blades.

Single Leg Balance

Result: ●

When testing the overall balance on the right side of your body, you are able stand on your right leg with your eyes closed for 11-15 seconds before having to open your eyes or losing your balance. Elite level golfers can maintain balance for over 16 seconds. This reduced balance on your right side can limit your ability to load into your right side or cause you to lose stability during the backswing.

When testing the overall balance on the left side of your body, you are able stand on your left leg with your eyes closed for 11-15 seconds before having to open

your eyes or losing your balance. Elite level golfers can maintain balance for over 16 seconds. This reduced balance on your left side can limit your ability to post into your left side or cause you to avoid your left side during the downswing.

### Bridge with Leg Extension

Result: ●

In the right side Bridge with Leg Extension Test, it is very difficult for you to stabilize your pelvis in the bridge position, which indicates a weakness in the right glute max. Right glute weakness can cause instability in your right leg during the backswing and limited power on the downswing potentially resulting in Sway, Loss of Posture, Reverse Spine Angle or Early Extension.

In the left side Bridge with Leg Extension Test, it is very difficult for you to stabilize your pelvis in the bridge position, which indicates a weakness in the left glute max. Left glute weakness can cause instability in your left leg during the downswing potentially resulting in Loss of Posture, Sliding, Hanging Back or Early Extension.

### Cervical Rotation

Result: ●

The right side Cervical Rotation Test indicates that you have limited right rotation in your neck. Normal range of motion is over 70 degrees. This mobility restriction can limit your ability to maintain posture during the downswing and fully rotate the shoulders through impact.

The left side Cervical Rotation Test indicates that you have limited left rotation in your neck. Normal range of motion is over 70 degrees. This mobility restriction can limit your ability to fully rotate the shoulders during the backswing while maintaining a stable head and body posture.

### Forearm Rotation

Result: ●

When pronating your forearms (palms rotating down) in the Forearm Rotation Test, you have normal range of motion in both forearms. This excellent result will help you set and release the club properly throughout the golf swing.

When supinating your forearms (palms rotating up) in the Forearm Rotation Test, you have normal range of motion in both forearms. This excellent result will help you set and release the club properly throughout the golf swing.

### Wrist Hinge

Result: ●

In the Wrist Hinge Test, you have a good hinge up (radial deviation) in both wrists. This excellent result will help you set the club properly during the swing and assist in delaying the release of the club on the downswing, improving overall speed at impact.

In the Wrist Hinge Test, you have a good hinge down (ulnar deviation) in both wrists. This excellent result will help you release the club properly during the swing.

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