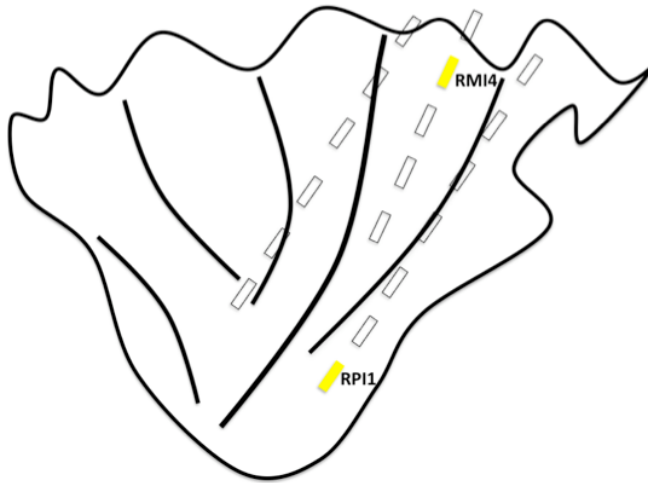


Supplement 1 – stimulation of the right insula:

Figure 1a

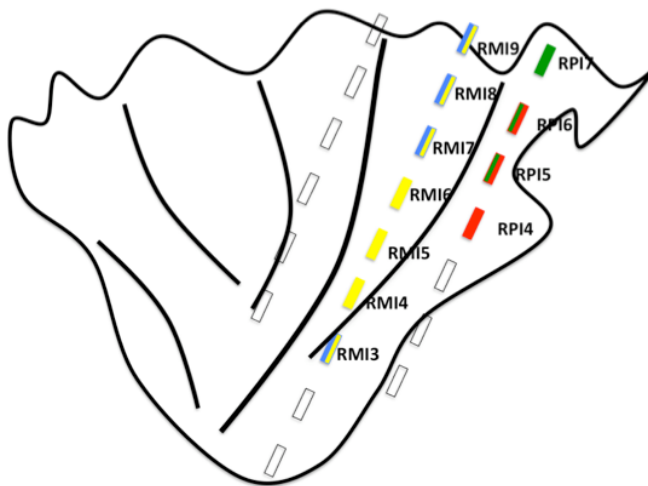


Patient 1a:

RMI4 = shaking in the throat

RPI1 = Vibration in the stomach

Figure 2a



Patient 2:

RMI3 = something in the throat/taste

RMI4 = abdominal sensation/like throwing up

RMI5 = abdominal sensation

RMI6 = sensation in the nose, left side

RMI7 = dry sensation in the nose/ as if throwing out something from the right side of the face

RMI8 = dry sensation in the nose/ as if throwing out something from the right side of the face

RMI9 = sensation of vibration in the mouth, sensation like an “icy hot”

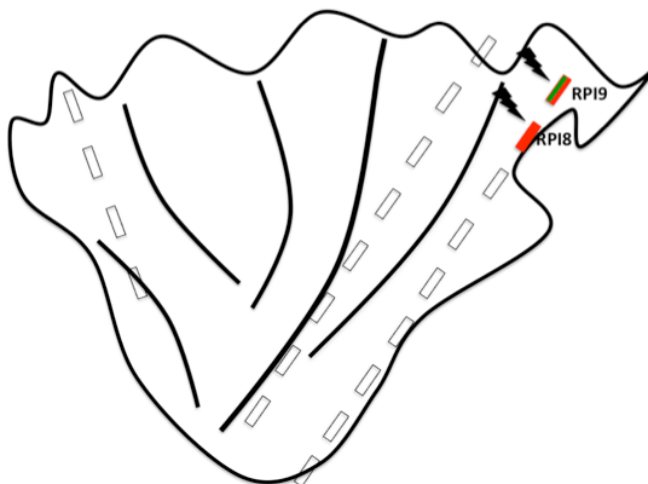
RPI4 = hot sensation left anterior thigh

RPI5 = numbness left arm / like RPI4

RPI6 = hot / numb sensation left hand

RPI7 = Tingling left arm/thumb

Figure 3a



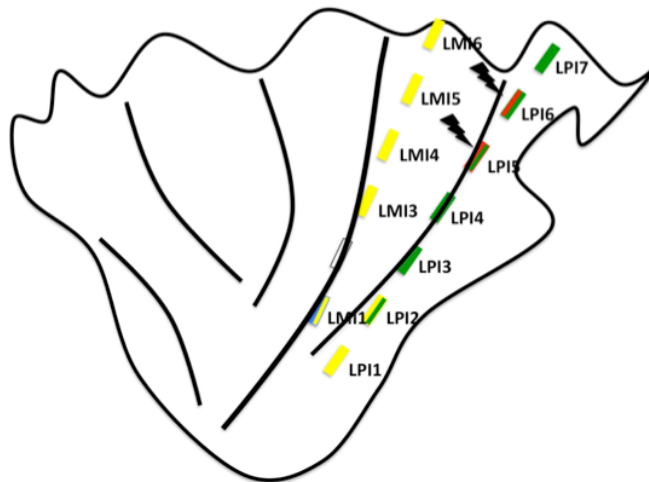
Patient 3:

RPI8 = Painful/Burning sensation in the left foot

RPI9 = Tingling/burning sensation in the left arm

Supplement 2 – stimulation of the left insula:

Figure 1b



Patient 1b:

LMI1 = mouth feels like dropping / bad taste

LMI3 = tingling in the mouth/inner cheek

LMI4 = feeling of movement in the mouth

LMI5 = feeling of movement in the mouth

LMI6 = Tingling in the right chest

LPI1 = stomach feels like dropping

LPI2 = feeling of loosening the stomach /tingling within the mouth

LPI3 = Right hand feels like shaking

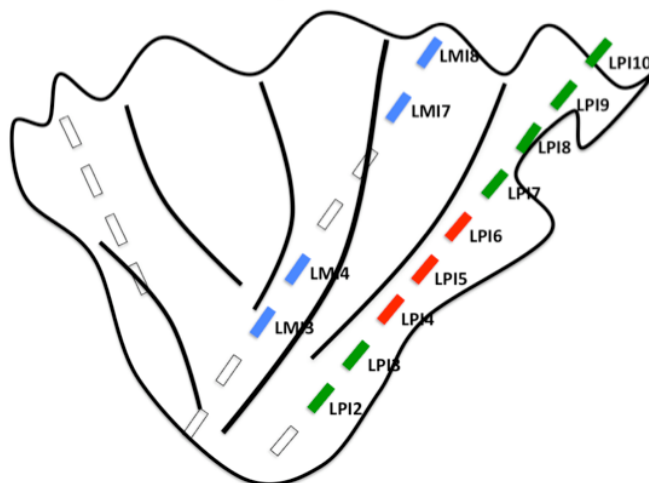
LPI4 = Feeling of right abdominal/vaginal shaking

LPI5 = Painful/pulling feeling of the right leg/foot

LPI6 = tingling/pain in the right knee

LPI7 = tingling in the right hand

Figure 4b



Patient 4:

LMI3 = metallic feeling inside the nose (middle-left)

LMI4 = metallic feeling inside the back of the nose ((left)

LMI7 = feeling of aluminum in the nose/back of the throat (left)

LMI8 = bad taste in the back of the mouth (left)

LPI2 = whole body sensation / tingling

LPI3 = tingling in the ventral part of the trunk

LPI4 = warmth in the right leg

LPI5 = warmth/tingling in the right forearm/hand

LPI6 = warmth of right leg and arm

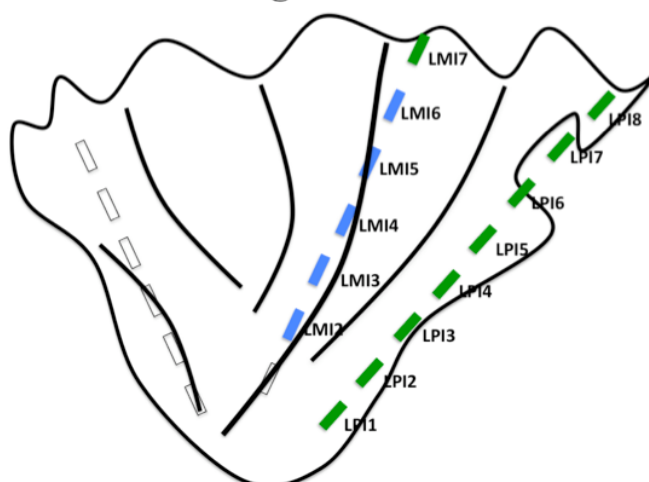
LPI7 = hand feels like floating

LPI8 = feeling of pulsation in the right foot + ear

LPI9 = feeling of pulsation in the right foot

LPI10 = feeling of pulsation between right neck and knee

Figure 5b



Patient 5:

LMI2 = taste of ink in the back of the mouth (left)

LMI3 = nasty taste in the back of the mouth (left)

LMI4 = bad taste in the back of the mouth (left)

LMI5 = nasty taste in the back of the mouth and tongue

LMI6 = nauseous taste in the back of the mouth and tongue

LMI7 = tingling/moderately painful feeling right hand and shoulder

LPI1 = strange feeling in the whole body

LPI2 = right hemibody sensation / tingling

LPI3 = tingling in the right foot /arm

LPI4 = tingling/moderate pain in the right foot/shoulder

LPI5 = pulsation/numbness right hemibody / forearm

LPI6 = feeling of pulsation in the right hemibody, mainly foot

LPI7 = feeling of pulsation in the right foot

LPI8 = feeling of pulsation in the right leg / head

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