

DYNAMIC WOUND CLOSURE – CASE REPORT – SURGICAL SKIN ANCHOR SYSTEM

VANCOUVER GENERAL HOSPITAL – NOVEMBER, 2014 – JANUARY, 2015

KEN VAN ROOYEN

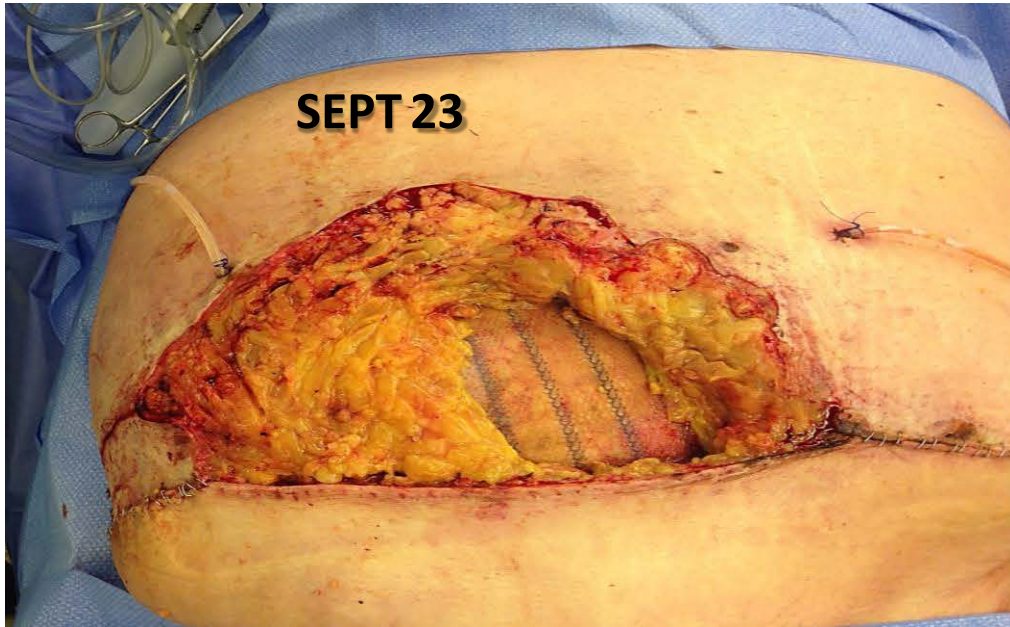
DYNAMIC TISSUE SYSTEMS™

DYNAMIC WOUND CLOSURE – CASE REPORT – SURGIAL SKIN ANCHOR SYSTEM

- PATIENT RELEASE FORM ON FILE.
- MALE, 78 YEAR OLD, MORBIDLY OBESE, DIABETIC, HYPERTENSIVE.
- OPEN APPENDECTOMY – 1999.
- DEVELOPED VENTRAL HERNIA.
- ELECTIVE HERNIA REPAIR – SEPT 10, 2014.
 - COMPONENT SEPARATION
 - PANNICULECTOMY
 - ONLAY OF TWO LARGE PIECES OF PROCEED MESH STITCHED TOGETHER – PRIMARY CLOSURE.
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- 5 DAYS POST HERNIA REPAIR – DEVELOPED SKIN FLAP AND ADIPOSE NECROSIS SPREADING ACROSS THE ABDOMEN. REFERRED TO PLASTICS SURGERY SERVICE.
- NECROTIC TISSUE EXCISED LEAVING A LARGE, NEARLY RECTANGULAR SKIN DEFECT 40 CM ACROSS X 25 CM. SEPT 23, 2014 – VAC TREATMENT EMPLOYED FOR 40 DAY DURATION.
- ABRA SURGICAL SKIN ANCHOR SYSTEM (17 ANCHOR PAIRS) PLACED NOV 4, 2014. WOUND CLOSED TO WITHIN 6 CM.
- POST-OP DAY 2 – WOUND EDGES 3 CM APART.
- POST-OP DAY 8 – WOUND EDGES TOGETHER.
- SUTURE CLOSURE NOV 14, 2014 (DAY 10) – LEAVING 5 PAIR OF ANCHORS FOR SUPPORT.
- NOV 17, 2014 - REMAINING SURGICAL ANCHORS REMOVED AND WOUND SUPPORTED BY 6 PAIR OF ADHESIVE ANCHORS. ADHESIVE ANCHORS SET OUTSIDE THE MARGIN OF IRRITATED SKIN RESULTING FROM SURGICAL ANCHORS.
- **CONSIDERABLE DRAINAGE** WITH ADIPOSE NECROSIS FROM UNDER THE WOUND – BETWEEN SKIN AND MESH.
- NOV 26TH – TO THE OPER RM FOR WASH-OUT AND VAC APPLICATION.
- DEC 1ST – 5TH DAY - VAC CHANGE

Beginning 5 DAYS POST HERNIA REPAIR

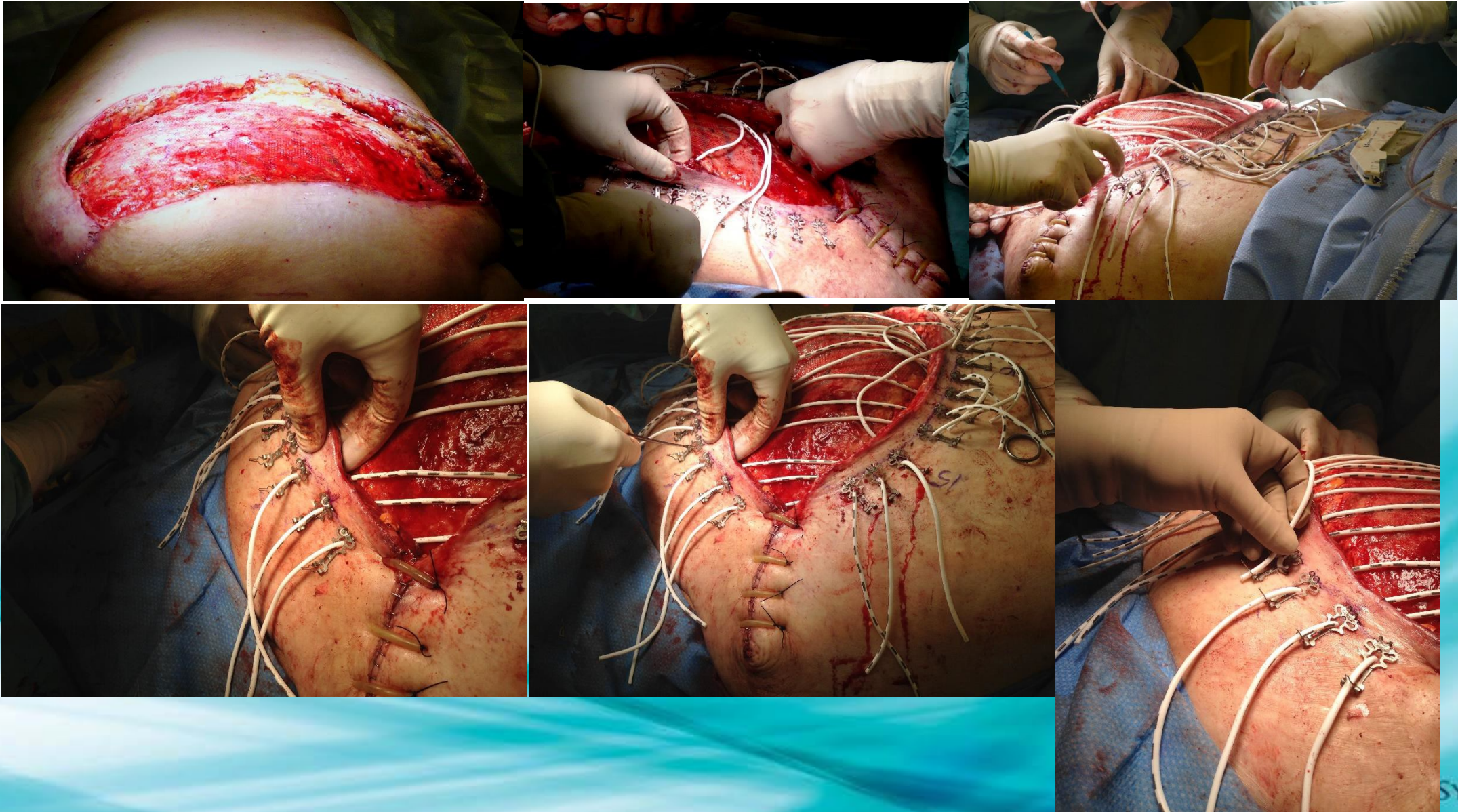




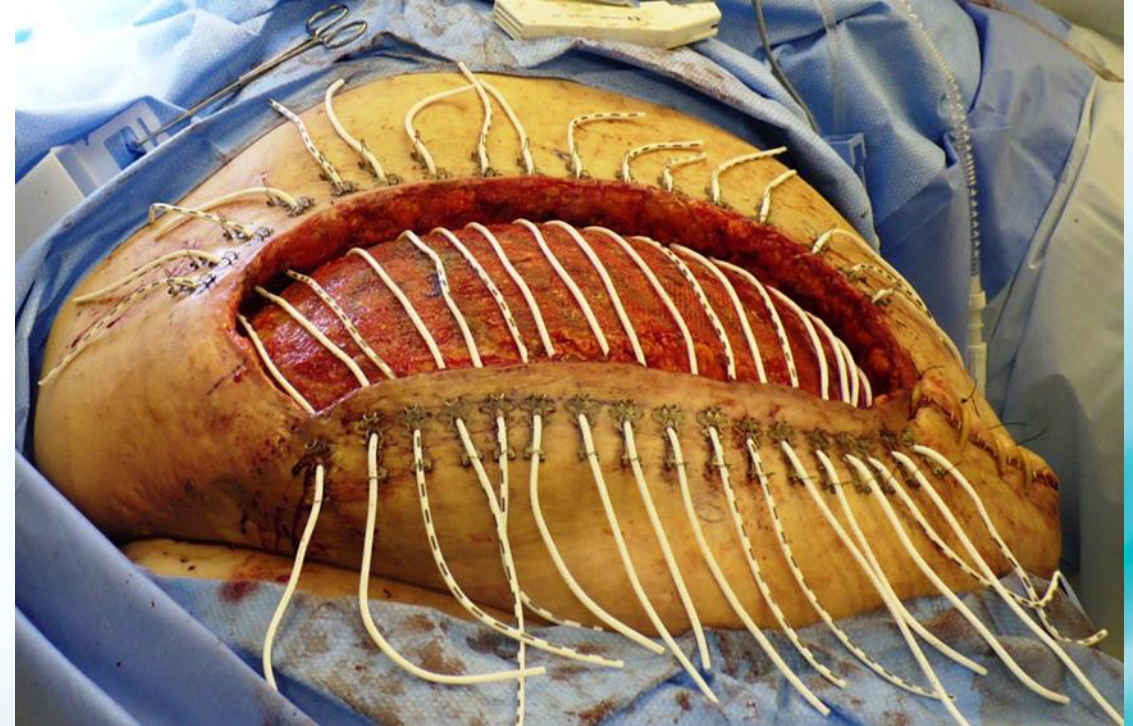
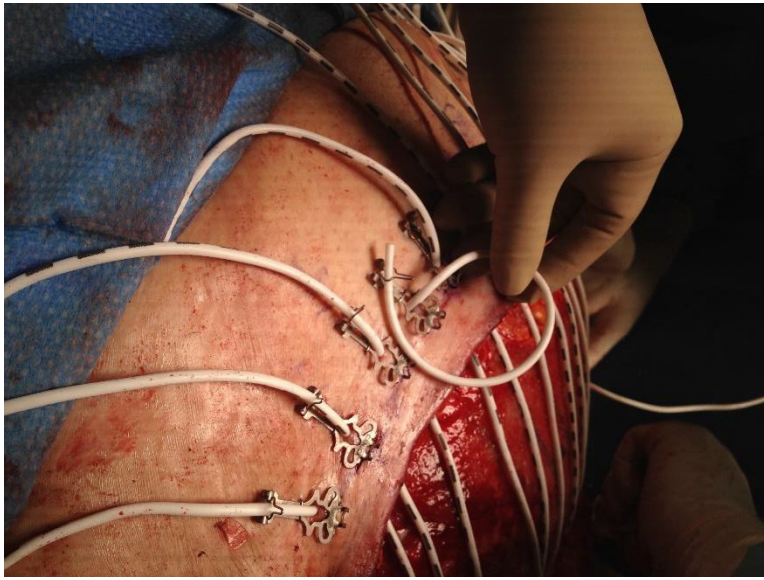
50 X 25CM DEFECT –
FOLLOWING 40 DAYS OF
VAC TREATMENT



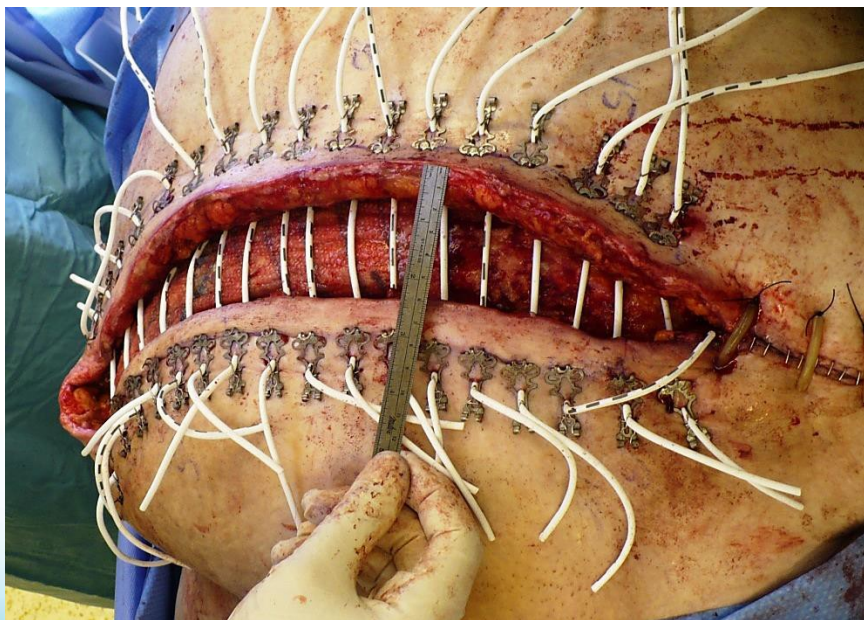
ABRA SURGICAL SKIN ANCHOR INSTALLATION – NOV 4,



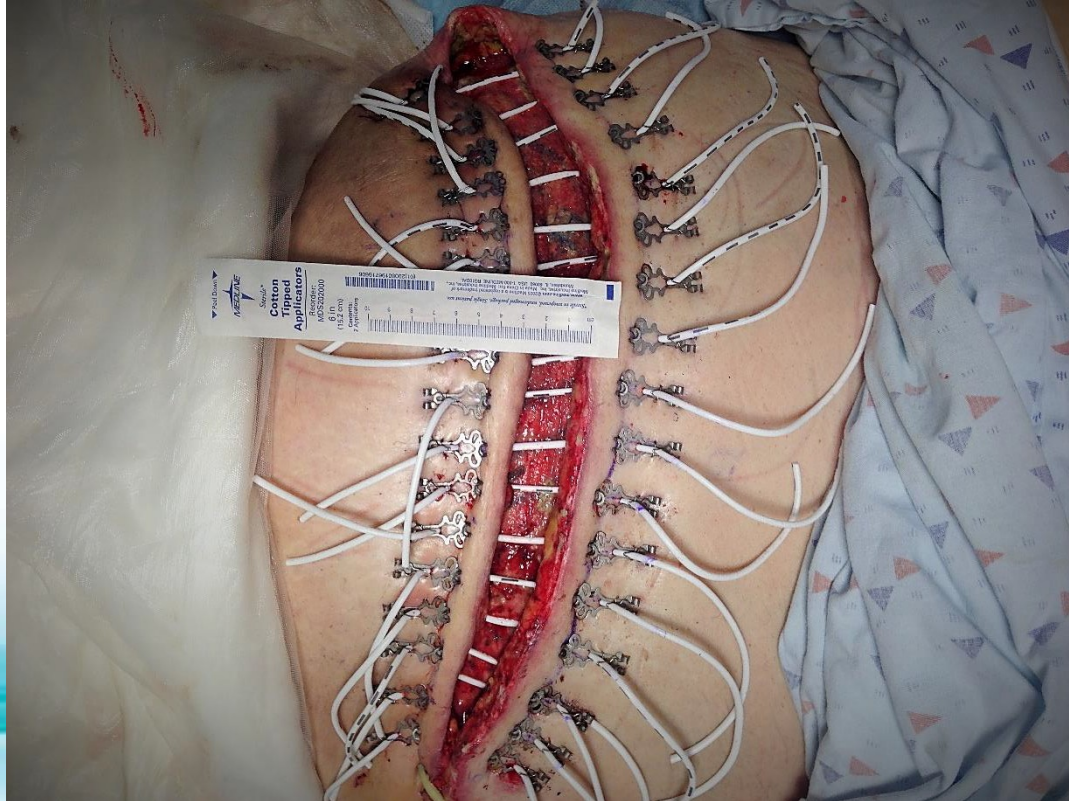
17 PAIRS OF SURGICAL SKIN ANCHORS INSTALLED



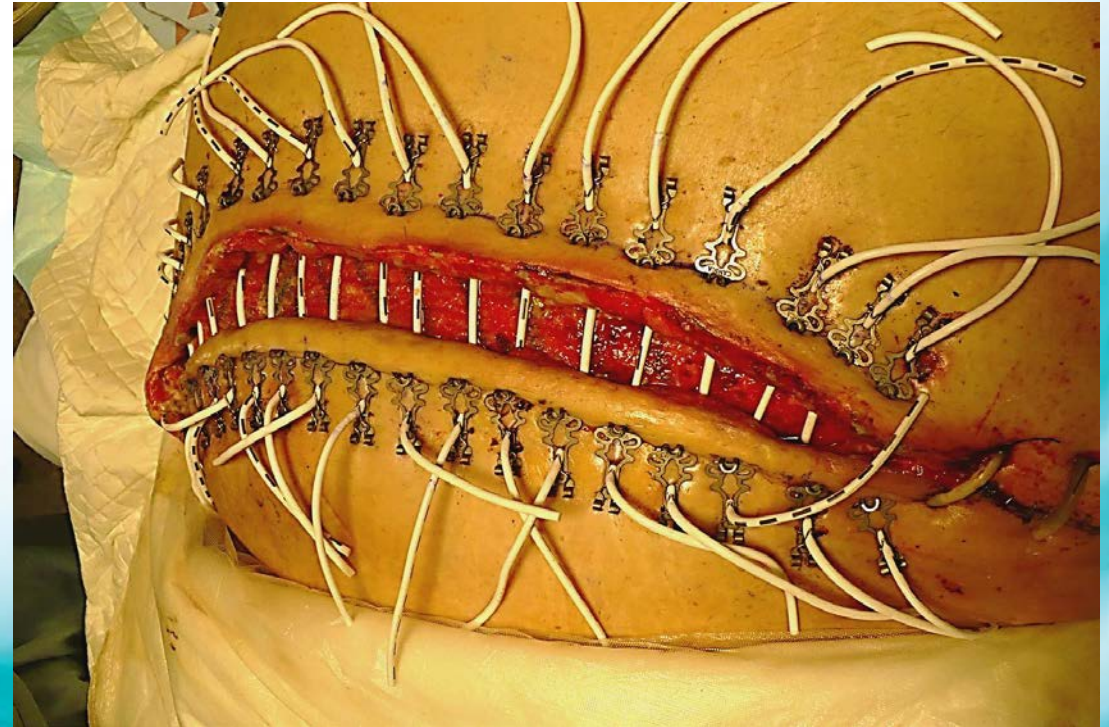
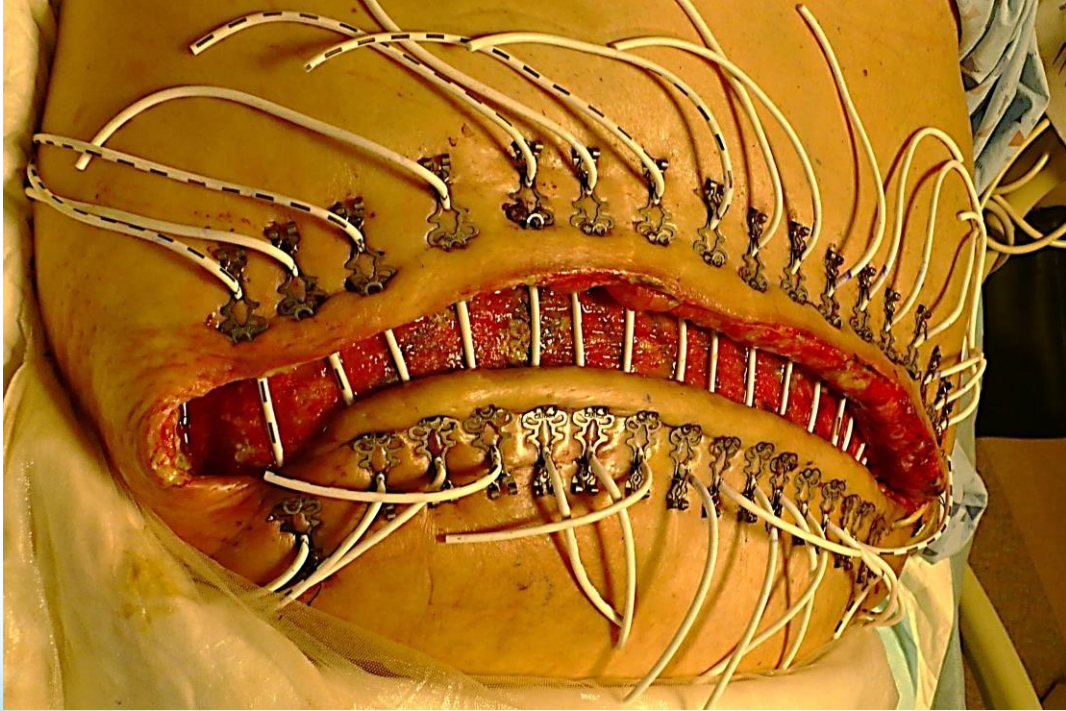
IMMEDIATE POST OPERATIVE OUTCOME after a cycle of Elastomer adjusting and doing the Move – WOUND WITH 6 CM GAP



POST-OP DAY 1 – WOUND CLOSED TO WITHIN
3 CM



DAY 2 POST-OP



DAY 8 POST-OP



CLOSURE – DAY 10

POST-OP



POST CLOSURE DAY 3



PERSISTENT DRAINAGE AND EVIDENCE OF INFECTION AND ADIPOSE NECROSIS – 12 DAYS POST-CLOSURE – BACK TO OPER RM FOR WASHOUT AND VAC APPLICATION

5TH DAY POST- VAC

Jan 2nd – wound continues to be treated with VAC while waiting for sufficient granular tissue to incorporate into the mesh so that skin grafting of remaining exposed areas can be covered.

