DEATON,DANNY MONROE M 41
ACCT/MR# 5816962/0278597 DOB:11/28/50
SERV: 3RD 3SOU 030302 ADM:11/08/92
MD: NAAM, NASH MD
DX: GUN SHOT WOUND RT HAND

OPERATIVE REPORT

REQ#: 4-314-006

AFTER EXTENSIVE IRRIGATION AND DEBRIDEMENT, THE ATTENTION WAS DIRECTED TOWARDS EXPLORATION OF THE WOUND UNDER MAGNIFICATION. THERE WERE EXTENSIVE LACERATIONS OF THE EXTENSOR MECHANISM OF THE THUMB AT THE LEVEL OF THE METACARPAL. THE LACERATION OF THE EXTENSOR TENDON WAS FOUND TO BE SIGNIFICANTLY SHREDDED. THE METACARPAL ITSELF WAS FOUND TO BE EXTREMELY COMMINUTED. MOST OF THE FRAGMENTS WERE EXTREMELY SMALL AND ALMOST LIKE POWDER. THERE WAS A SIGNIFICANT DEGREE OF BONE LOSS THAT PRECLUDED ANY ATTEMPT OF OPEN REDUCTION AND INTERNAL FIXATION. ON THE VOLAR ASPECT THERE WERE EXTENSIVE LACERATIONS OF THE THREE THENAR MUSCLES, THE ABDUCTOR POLLICIS BREVIS, THE FLEXOR POLLICIS BREVIS, AND THE OPPONENS POLLICIS. THE DEVITALIZED PART OF THE MUSCLES WERE SURGICALLY DEBRIDED. I COULD NOT IDENTIFY ANY INJURY OF THE MEDIAN NERVE NOR ANY INJURY OF THE FLEXOR TENDONS. THE DIGITAL NERVES WERE NOT EXPOSED IN THE WOUND, AND NO ATTEMPT WAS MADE TO EXPLORE THEM AT THE PRESENT TIME.

AFTER THOROUGH EXPLORATION OF THE WOUND, THE ATTENTION WAS DIRECTED TOWARDS REPAIRING THE THENAR MUSCLES AND THE EXTENSOR TENDON. THE THREE THENAR MUSCLES WERE REPAIRED INDIVIDUALLY WITH INTERRUPTED SUTURES OF 4-0 PDS. THE REPAIR WAS STARTED WITH THE OPPONENS POLLICIS, THEN THE FLEXOR POLLICIS BREVIS, AND FINALLY THE ABDUCTOR POLLICIS BREVIS. THE REPAIR WAS FOUND TO BE VERY SATISFACTORY.

THEN THE ATTENTION WAS DIRECTED TOWARDS REPAIRING THE EXTENSOR TENDON OF THE THUMB. THE EXTENSOR MECHANISM WAS REPAIRED WITH INTERRUPTED SUTURES OF 4-0 PROLENE IN A HORIZONTAL MATTRESS FASHION WITH INVERSION OF THE KNOTS. THE REPAIR WAS FOUND TO BE VERY SATISFACTORY.

THE ENTRY WOUND WAS LEFT OPEN AFTER SURGICALLY DEBRIDING THE EDGES. THE EXIT WOUND WAS SURGICALLY DEBRIDED, THOROUGHLY IRRIGATED AND THEN IT WAS CLOSED WITH INTERRUPTED SUTURES OF 5-0 PROLENE.

THE ATTENTION THEN WAS DIRECTED TOWARDS STABILIZATION OF THE FRACTURE. THE DECISION WAS MADE TO PIN THE DISTAL END OF THE THUMB METACARPAL TO THE SECOND METACARPAL. UNDER C-ARM CONTROL, THE DISTAL END OF THE FIRST METACARPAL WAS PINNED TO THE SECOND METACARPAL WITH A 0.045 - INCH KIRSCHNER WIRE IN ORDER TO MAINTAIN THE LENGTH OF THE METACARPAL. THE END OF THE K-WIRE WAS CLIPPED OFF AT THE LEVEL OF THE SKIN.

STERILE BULKY HAND DRESSING WAS APPLIED. THEN A THUMB SPICA SPLINT WAS

CONTINUED