
Supplementary Online Content

Sutton NY, Schmitz ND. Real-world bleeding outcomes and costs following vascular graft anastomosis using PROLENE sutures with HEMO-SEAL technology in patients undergoing abdominal aortic aneurysm repair. *JHEOR* 2017;5(2):140-9.

Supplementary Table 1. Search Terms Used to Identify Potential HEMO-SEAL PROLENE Sutures

This supplementary material has been provided by the authors to give readers additional information about their work.

Supplementary Table 1. Search Terms Used to Identify Potential HEMO-SEAL PROLENE Sutures

| Hospital Charge ID | Hospital Charge Description | Search Term | Likelihood of Being HEMOSEAL PROLENE Suture |
|--------------------|---|-------------|---|
| 467780144 | SUT PRO HEMO-SEAL 6-0 C1 | Hemo-Seal | Definitely |
| 429238899 | SUT PRO HEMO-SEAL 6-0 C1 | Hemo-Seal | Definitely |
| 431155115 | SUT PRO HEMO-SEAL 6-0 C1 | Hemo-Seal | Definitely |
| 431155116 | SUT PRO HEMO-SEAL 6-0 C1 | Hemo-Seal | Definitely |
| 462684159 | SUTURE,PROLENE, HEMOSEAL,HS-7 | Hemoseal | Definitely |
| 420831176 | SUTUREPROLENE 5-0 24 HEMOSEAL | Hemoseal | Definitely |
| 782521000 | SUT PROLENE HEMOSEAL 9706H | Hemoseal | Definitely |
| 304843760 | SUTURE,PROLENE 4-0 36 HEMOSEAL | Hemoseal | Definitely |
| 425110478 | SUTUREPROLENE 40 36 HEMOSEAL | Hemoseal | Definitely |
| 1949420553 | SUTURE HEMOSEAL MONO BLUE 4-0 3.0 | Hemoseal | Definitely |
| 1954020574 | SUTURE HEMOSEAL MONO BLUE 5-0 24 | Hemoseal | Definitely |
| 406952125 | SUTURE,PROLENE 5-0 24 HEMOSEAL | Hemoseal | Definitely |
| 422693098 | SUTUREPROLENE 50 24 HEMOSEAL | Hemoseal | Definitely |
| 771322470 | SUT PROLENE HEMOSEAL 9702H | Hemoseal | Definitely |
| 461210301 | SUT PROLENE 5-0 BV-1 HS-7 24 (9702) | HS- | Definitely |
| 2039675 | SUT HS-FIBER #2 W/26MM-1/2 CIR MO-6 NDL *HSE-2C | HS- | Definitely |
| 1616599 | SUT HS-FIBER #5 W/48MM-1/2 CIR CCS NDL *HSE-5C | HS- | Definitely |
| 465570376 | SUT PRO 5-0 24 BV1 HS-7 9702H-EHGS | HS- | Definitely |
| 465711071 | SUTPROLENE5-0W/HS-7 | HS- | Definitely |
| 1142320441 | SUT PROLENE 5-0 W/HS-7 | HS- | Definitely |
| 1227267 | PROLENE 5-0 24IN BV1 HS-7 | HS- | Definitely |
| 2073396 | ST 5-0 PROLENE HS-7 NDL | HS- | Definitely |
| 914378 | SUTURE, PROLENE HS-6 C-1 HEMASEEL | HS- | Definitely |
| 3846389 | SUT PRO 9702H HS-7 | HS- | Definitely |
| 820704 | SUTURE, PROLENE HS-6 C-1 HEMASEEL | HS- | Definitely |
| 824568 | SUTURE PROLENE ETH HS-7 HEMASEEL | HS- | Definitely |
| 2624148 | 272-SUTURE PROLENE ETH HS-7 HEMASEEL | HS- | Definitely |
| 1494488 | SUTURE 5-0 PROLENE HS-7 9702H | HS- | Definitely |
| 3758701 | 272-SUTURE PROLENE ETH HS-7 HEMASEEL | HS- | Definitely |
| 414540138 | SUT PRO 5-0 24 BV1 HS-7 9702H-EHGS | HS- | Definitely |
| 466560521 | SUTURE,9706H PROLENE HEMO HS-6 | HS- | Definitely |
| 498100383 | PROLENE 5-0 24IN BV1 HS-7 | HS- | Definitely |
| 471010174 | SUT PROLENE 5-0 W/HS-7 | HS- | Definitely |
| 1960920563 | PROLENE 5-0 24IN BV1 HS-7 | HS- | Definitely |
| 3352402 | PROLENE,4.0, HS-6 | HS- | Definitely |
| 461050395 | SUTURE HS-6 4-0 30 C1 | HS- | Definitely |
| 479914 | SUTR PROLENE HS-7/BV-1DA 24i | HS- | Definitely |
| 501805 | SUTR PROLENE HS-7/BV-1DA 24i | HS- | Definitely |
| 329687098 | SUTR PROLENE 5-0 BV-1 HS-7 970 | HS- | Definitely |

Supplementary Table 1. Search Terms Used to Identify Potential HEMO-SEAL PROLENE Sutures - continued

| Hospital Charge ID | Hospital Charge Description | Search Term | Likelihood of Being HEMOSEAL PROLENE Suture |
|--------------------|--|-------------|---|
| 1556121044 | SUTURE PROLENE 5-0 HS-7 9702 | HS- | Definitely |
| 3325213 | PROLENE5-0 HS-7, 9702 | HS- | Definitely |
| 406970196 | SUT PROLENE 5-0 W/HS-7 | HS- | Definitely |
| 1451320458 | PROLENE 5-0 24IN BV1 HS-7 | HS- | Definitely |
| 1032725 | SUT HS-FIBER #5 W/48MM-1/2 CIR CCS NDL *HSE-5C | HS- | Definitely |
| 456165990 | SUT PROLENE 5-0 BV-1 HS-7 24 9702 | HS- | Definitely |
| 420522443 | SUT PROLENE 5-0 W/HS-7 | HS- | Definitely |
| 420571270 | SUT PROLENE 5-0 W/HS-7 | HS- | Definitely |
| 493002532 | PROLENE 5-0 24IN BV1 HS-7 | HS- | Definitely |
| 1093320728 | SUTPROLENE5-0W/HS-7 | HS- | Definitely |
| 411640038 | SUTURE, PROLENE, 4-0, HS-6, 30 I | HS- | Definitely |
| 413640132 | Sut Pro 9702H Hs-7 | HS- | Definitely |
| 467950001 | SUT PRO 5-0 24 BV1 HS-7 9702H-EHGS | HS- | Definitely |
| 1140220441 | SUT PROLENE 5-0 W/HS-7 | HS- | Definitely |
| 404060190 | SUTURE HS-7 5-0 24 BV1 | HS- | Definitely |
| 29314 | SUT PROLENE 4-0 HS DA 9706H/SVB OR | 9706H | Definitely |
| 441040169 | SUTURE PROLENE 4-0 C1 HS 9706H | 9706H | Definitely |
| 400367172 | PROLENE 5/0 HS BV-1 24 9702H | 9702H | Definitely |
| 466681332 | PROLENE 5/0 HS BV-1 24 9702H | 9702H | Definitely |
| 803721339 | PROLENE 5/0 HS BV-1 24 9702H | 9702H | Definitely |
| 3613341 | SUTURE PROLENE 4-0 HS C-1 | Prolene | Definitely |
| 3559263 | SUTURE PROLENE 5-0 HS 7 | Prolene | Definitely |
| 313397143 | SUT PROLENE 5-0 HS DA | Prolene | Definitely |
| 329667129 | SUT PROLENE 4-0 HS DA | Prolene | Definitely |
| 329997285 | #3055 SUTURE,PROLENE 5-0 HS/BV | Prolene | Definitely |
| 425370861 | SUTURE PROLENE 5-0 HS7BV | Prolene | Definitely |
| 439041167 | SUTURE PROLENE 5-0 HS7BV | Prolene | Definitely |
| 446200765 | SUTURE PROLENE 4-0 C1 HS | Prolene | Definitely |
| 463690274 | SUTURE PROLENE 5-0 HS7BV | Prolene | Definitely |
| 469821467 | SUT PROLENE 50 HS D/A BV1 | Prolene | Definitely |
| 470470216 | SUTURE PROLENE 4-0 C1 HS | Prolene | Definitely |
| 1510822404 | SUTURE PROLENE 5-0 HS/BV-1 24" | Prolene | Definitely |
| 258705 | SUTURE PROLENE 4-0 30 9706H | 9706H | Most Likely |
| 2813234 | HB SUTURE PROLENE 4-0 30 9706H | 9706H | Most Likely |
| 2565 | SUTURE: PROLENE 4-0 9706H | 9706H | Most Likely |
| 1199679 | SUT PROLENE 4-0 C-1 9706H | 9706H | Most Likely |
| 1080792 | SUT PROLENE 4-0 C-1 9706H | 9706H | Most Likely |
| 380127429 | SUT PROLENE 9706H | 9706H | Most Likely |

Supplementary Table 1. Search Terms Used to Identify Potential HEMO-SEAL PROLENE Sutures - continued

| Hospital Charge ID | Hospital Charge Description | Search Term | Likelihood of Being HEMOSEAL PROLENE Suture |
|--------------------|---|-------------|---|
| 394247507 | SUT PROLENE 9706H | 9706H | Most Likely |
| 1509024188 | SUTURE PROLENE 4-0 C-1 30IN 9706H | 9706H | Most Likely |
| 795220849 | SUTURE PROLENE 4-0 9706H | 9706H | Most Likely |
| 1764920589 | SUTR PROLENE 4-0 C-1 30 9706H | 9706H | Most Likely |
| 1563020776 | SUTR PROLENE 4-0 C-1 30 9706H | 9706H | Most Likely |
| 446330124 | SUTURE,9706H | 9706H | Most Likely |
| 459840116 | PROLENE 4-0 C-1 9706H | 9706H | Most Likely |
| 2034362 | SUTURE CARDIOVSLR 9706H | 9706H | Most Likely |
| 262637 | SUTURE PROLENE 5-0 9702H | 9702H | Most Likely |
| 79839 | SUT PROLENE 5-0 BV1 9702H | 9702H | Most Likely |
| 1553586 | SUT PROLENE 5-0 9702H | 9702H | Most Likely |
| 1822294 | SUT PROLENE 5-0 9702H | 9702H | Most Likely |
| 2814724 | HB SUTURE PROLENE 5-0 9702H | 9702H | Most Likely |
| 1153278 | SUT PROLENE 5-0 9702H | 9702H | Most Likely |
| 1410482 | SUTURE PROLENE 5-0 9702H | 9702H | Most Likely |
| 277849 | SUTURE PROLENE 5-0 9702H | 9702H | Most Likely |
| 2479873 | SUT PROLENE 5-0 9702H | 9702H | Most Likely |
| 635220 | SUTURE PROLENE 5-0 9702H | 9702H | Most Likely |
| 2347487 | SUT PROL 5-0 24IN BV1 DA BLU X 9702H | 9702H | Most Likely |
| 2502254 | SUT PROLENE 5-0 BV-1 9702H | 9702H | Most Likely |
| 1562764 | SUT PROLENE 5-0 9702H | 9702H | Most Likely |
| 2837169 | HB SUTURE PROLENE 5-0 9702H | 9702H | Most Likely |
| 3853781 | SUT PROL 5-0 24IN BV1 DA BLU X 9702H | 9702H | Most Likely |
| 3281457 | SUT PROLENE 5-0 9702H | 9702H | Most Likely |
| 140607449 | SUTURE: PROLENE 5-0 9702H | 9702H | Most Likely |
| 179815232 | SUTURE 5-0 PROLENE BV1 9702H | 9702H | Most Likely |
| 3640564 | SUT PROL 5-0 24IN BV1 DA BLU X 9702H | 9702H | Most Likely |
| 4188468 | SUTURE, PROLENE 9702H | 9702H | Most Likely |
| 149771453 | SUTURE PROLENE 5-0 9702H | 9702H | Most Likely |
| 5030621 | SUTURE PROLENE 9702H | 9702H | Most Likely |
| 5615372 | SUTR PROLENE 5-0 BV-1 9702H | 9702H | Most Likely |
| 133913713 | SUTURE: PROLENE 5-0 9702H | 9702H | Most Likely |
| 269292063 | SUTURE PROLENE 5-0 9702H | 9702H | Most Likely |
| 310097510 | SUT PROLENE 5.0 BV-1 9702H | 9702H | Most Likely |
| 389817105 | SUTURE PROLENE 5-0 BVL-24IN 9702H | 9702H | Most Likely |
| 405236360 | SUTURE PROLENE 5-0 No.9702H BV-1 BLU 24 | 9702H | Most Likely |
| 380047278 | SUT PROLENE 5-0 BV-1 24 9702H | 9702H | Most Likely |
| 380067111 | SUT PROLENE 5-0 9702H | 9702H | Most Likely |
| 395247531 | SUT PROLENE 5-0 9702H | 9702H | Most Likely |

Supplementary Table 1. Search Terms Used to Identify Potential HEMO-SEAL PROLENE Sutures - continued

| Hospital Charge ID | Hospital Charge Description | Search Term | Likelihood of Being HEMOSEAL PROLENE Suture |
|---------------------------|--------------------------------------|--------------------|--|
| 394027191 | SUTURE PROLENE 5 0 9702H BV1 | 9702H | Most Likely |
| 394077614 | SUTURE PROLENE 5-0 9702H | 9702H | Most Likely |
| 394207171 | SUTURE PROLENE 5 0 9702H BV1 | 9702H | Most Likely |
| 395877265 | SUTURE PROLENE 5 0 9702H BV1 | 9702H | Most Likely |
| 395967320 | SUTURE PROLENE 5 0 9702H BV1 | 9702H | Most Likely |
| 420400436 | SUTURE PROLENE 5-0 BV-1 9702H | 9702H | Most Likely |
| 406890150 | SUTR PROLENE 5-0 BV-1 9702H | 9702H | Most Likely |
| 426070048 | SUTR PROLENE 5 BV-1 24 9702H | 9702H | Most Likely |
| 394607315 | SUTURE PROLENE 5 0 9702H BV1 | 9702H | Most Likely |
| 393617536 | SUT PROLENE 5-0 BV-1 24 9702H | 9702H | Most Likely |
| 430020783 | SUTURE PROLENE 5-0 BV1 9702H | 9702H | Most Likely |
| 384547107 | SUTURE PROLENE 5-0 24 BV1 VB 9702HIN | 9702H | Most Likely |
| 447010092 | SUTURE 9702H PROLENE 5-0 BV-1 | 9702H | Most Likely |
| 446080244 | SUTR PROLENE 5 BV-1 24 9702H | 9702H | Most Likely |
| 446130116 | SUTURE 9702H PROLENE 5-0 BV-1 | 9702H | Most Likely |
| 465410173 | SUTR PROLENE 5 BV-1 24 9702H | 9702H | Most Likely |
| 428750104 | SUTR PROLENE 5 BV-1 24 9702H | 9702H | Most Likely |
| 469660122 | SUT PROLENE 9702H 5 0 BV 1 | 9702H | Most Likely |
| 988020428 | SUTR PROLENE 5-0 BV1 24 9702H | 9702H | Most Likely |
| 862320499 | SUTURE PROLENE 5-0 9702H | 9702H | Most Likely |
| 757020717 | SUTR PROLENE 5-0 BV1 24 9702H | 9702H | Most Likely |
| 493880391 | SUT9702H5-0PROLENEBV | 9702H | Most Likely |
| 491990449 | SUTR PROLENE 5-0 BV1 24 9702H | 9702H | Most Likely |
| 1342520442 | SUTURE PROLENE 5-0 BV-9702H | 9702H | Most Likely |
| 1512421498 | SUTURE PROLENE 5-0 9702H | 9702H | Most Likely |
| 1643620547 | SUTURE PROLENE 5-0 9702H | 9702H | Most Likely |
| 1781020558 | SUTR PROLENE 5-0 BV1 24 9702H | 9702H | Most Likely |
| 1505220934 | SUT PROLENE 5-O BV1 9702H | 9702H | Most Likely |
| 1512223571 | HCSUTURE5-024INMONO9702H | 9702H | Most Likely |
| 294359681 | PROLENE 9702H 5-0 BV-1 24 | 9702H | Most Likely |
| 419440294 | PROLENE 9702H 5-0 BV-1 24 | 9702H | Most Likely |
| 444141100 | SUTURE 5-0 24 IN MONO 9702H | 9702H | Most Likely |
| 553320413 | ST-PROLENE 9702H 5/0 | 9702H | Most Likely |
| 419871830 | SUTURE 5-0 24 IN MONO 9702H | 9702H | Most Likely |
| 429690264 | PROLENE 5/0 HS BV-1 24 9702H | 9702H | Most Likely |
| 3992892 | 5-0 PROLENE BV-1 24IN 9702H | 9702H | Most Likely |
| 2050830 | PROLENE SUTURE 9702H | 9702H | Most Likely |
| 6244716 | PROLENE 9702H 5-0 BV-1 24 | 9702H | Most Likely |
| 1084320455 | SUTURE 5-0 24 IN MONO 9702H | 9702H | Most Likely |

Supplementary Table 1. Search Terms Used to Identify Potential HEMO-SEAL PROLENE Sutures - continued

| Hospital Charge ID | Hospital Charge Description | Search Term | Likelihood of Being HEMOSEAL PROLENE Suture |
|--------------------|--|-------------|---|
| 1863620582 | HC SUTURE 5-0 24 IN MONO 9702H | 9702H | Most Likely |
| 718251 | SUTURE 9702H | 9702H | Most Likely |
| 2654356 | 5-0 PROLENE BV-1 24IN 9702H | 9702H | Most Likely |
| 1532021176 | HCSUTURE5-024INMONO9702H | 9702H | Most Likely |
| 137187212 | ST-PROLENE 9702H 5/0 | 9702H | Most Likely |
| 445380055 | PROLENE 9702H 5-0 BV-1 24 | 9702H | Most Likely |
| 1975274 | 5-0 PROLENE BV-1 24IN 9702H | 9702H | Most Likely |
| 3338944 | 5-0 PROLENE BV-1 24IN 9702H | 9702H | Most Likely |
| 3351331 | 5-0 PROLENE BV-1 24IN 9702H | 9702H | Most Likely |
| 265475 | SUTURE PROLENE 3-0 36 9556H | 9556H | Most Likely |
| 2954430 | SUTURE PROLENE 5-0 9556H | 9556H | Most Likely |
| 2695401 | SUTR PROLENE 3-0 RB-1 9556H | 9556H | Most Likely |
| 2714521 | HB SUTURE PROLENE 3-0 36 9556H | 9556H | Most Likely |
| 430620466 | SUTURE PROLENE 3-0 RB19556H | 9556H | Most Likely |
| 1482220793 | SUTURE PROLENE 3-0 9556H | 9556H | Most Likely |
| 457640184 | PROLENE 3-0 RB-1 9556H | 9556H | Most Likely |
| 426040250 | SUTUREPRLN9556H30RB1 | 9556H | Most Likely |
| 429430461 | PROLENE 9556H 3-0 RB-1 36 | 9556H | Most Likely |
| 119270715 | PROLENE 9556H 3-0 RB-1 36 | 9556H | Most Likely |
| 1044961 | SUTURE PROLENE 5-0 BV-1/BV-1 24IN (9702) | Prolene | Most Likely |
| 1045506 | SUTURE PROLENE 5-0 BV-1/BV-1 24IN (9702) | Prolene | Most Likely |
| 340589 | I-SUT ET PROLENE 5-0 9702 | Prolene | Most Likely |
| 1148489 | SUT PROLENE 5-0 BV-1 9702 | Prolene | Most Likely |
| 422941025 | SUT PROLENE 5-0 BV-1 9702 | Prolene | Most Likely |
| 421160744 | SUT 9702 H 5-0 PROLENE BV | Prolene | Most Likely |
| 1629320560 | SUT ET PROLENE 5-0 9702 | Prolene | Most Likely |
| 960166 | SUTURE PROLENE 6-0 9706H | Prolene | Possibly |
| 1368520533 | SUTURE PROLENE 6-0 9706H | Prolene | Possibly |
| 2112707 | SUTURE 230009702H \$ 127057 | 9702H | Possibly |
| 1370420470 | SUTURE PROLENE 5-0 9556H | 9556H | Possibly |