

Appendix 1 (as supplied by the authors): Extant and reduced tray composition

Extant tray composition — tonsillectomy

DESCRIPTION	CATALOG	QTY
DAVIS MOUTH GAG RIGHT DBL (Boyle Davis)	Storz N7450	1
BLADE TONGUE LARGE 4		1
BLADE TONGUE MED 3 1/2		1
BLADE TONGUE SMALL 3		1
FCP ROCH-PEAN HEMOSTAT CVD 6 1/4 (Curved Kelly)	Pilling 182445	3
WHITE TONSIL FCP.MED.CVD. (Tenaculum)	Storz N7032	1
DISSECTOR HURD/RETR PILLAR D/E (Pillar Retractor)	Storz N6750	1
BASIN EMESIS EX SMALL (Kidney)		1
CUP IODINE 6 OZ (Large, circular)	Pilling 471120	1
PEERS NON-PEF TOWEL CLAMP	Pilling 12-1650	1
CUP MEDICINE 2 OZ	Pilling 471115	3
SCALPEL HANDLE 7	K-Medic KM29-062	1
MIRROR DENTAL		1
CURETTE SMALL (Adenoid Curette)		1
CURETTE LARGE (Adenoid Curette)		1
KNIFE FISHER (Fisher Blade)		1
TISSUE TONSIL (Pickups)		1
WIEDER TONGUE DEPRESSOR L (Sweetheart)	Storz N7332	1
WIRE SNARE # 8 (Snare)	Pilling 461264	2
RETR LOVE UVULA 18MM	Storz N6200	1
TENACULA SHORT (Smaller Tenaculum)		1
SCHNIDT FCP 7 1/4 OPEN (Snaps)	Storz N7122	2
HOOK NEGRAS		1
FCP ALLIS TISSUE 5 X 6 TEETH 6" REG WEIGHT (Allis)	Pilling 182860	3
SCISS METZ CVD 7 (Metz)	Pilling 141462	1
RONIS ADENOID PUNCH	Storz N6178	1

Total

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Reduced tray composition — tonsillectomy

DESCRIPTION	CATALOG	QTY
DAVIS MOUTH GAG RIGHT DBL (Boyle Davis)	Storz N7450	1
BLADE TONGUE LARGE 4		1
BLADE TONGUE MED 3 1/2		1
BLADE TONGUE SMALL 3		1
FCP ROCH-PEAN HEMOSTAT CVD 6 1/4 (Curved Kelly)	Pilling 182445	3
WHITE TONSIL FCP.MED.CVD. (Tenaculum)	Storz N7032	1
DISSECTOR HURD/RETR PILLAR D/E (Pillar Retractor)	Storz N6750	1
BASIN EMESIS EX SMALL (Kidney)		1
CUP IODINE 6 OZ (Large, circular)	Pilling 471120	1
PEERS NON-PEF TOWEL CLAMP	Pilling 12- 1650	1
TISSUE TONSIL (Pickups)		1

Total

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Extant tray composition — skin

DESCRIPTION	CATALOG	QTY
FCP ADSON 15CM 1 x 2 TOOTHED (Toothed Adsons)	Pilling 181223	2
FCP ADSON SERRATED 4-3/4" (Non toothed Adsons)	Pilling 181220	1
FCP ADSON TISSUE 5" 1.7MM TIP BROWN-TYPE TEETH (Adson Browns)	Codman 30-1189	1
CASTRO FCP STR JAW .5MM (Castros)	Storz E1798	1
FCP CASTROVIEJO SUTURING (Castros w/ holes in handles)	Katena K5-2510	1
HOOK SKIN 2 PIECE (Short skin hook)		2
HOOK GILLES SKIN LG 4MM (Longer skin hook)	Pilling 054130	2
RETR SENN PRONG FINE SHARP (Senns)	Pilling 164750	2
HOOK JOSEPH SKIN DBL 10MM (Wide double skin hook)	Pilling 442108	2
RETR RAGNELL D/E 5.75 (Ragnell)	Pilling 054600	2
CUP IODINE 6 OZ (Big cup)	Pilling 471120	1
CUP MEDICINE 2 OZ (Small cup)	Pilling 471115	2
TUBE SUCTION FERG FRAZ 6FR SZ 0	Pilling 162410	1
STYLETTE		1
RETR BECKMAN-WEITLANER SHARP 5 1/2 (Self-retracting retractor)	Pilling 165370	1
SCALPEL HANDLE BARRON # 3 (Cylindrical scalpel handle)	Aesculap BB068R	1
HANDLE KNIFE STANDARD #3 (Normal scalpel handle)	Pilling 352950	2
FCP SPONGE STR SERR 9 1/2 (Sponge stick)	Pilling 121417	1
SCISS MAYO STR BEV 6 3/4 (Mayos)	Pilling 141312	1
SCISS METZ CVD 7 (Metz)	Pilling 141462	1
SCISS JAMISON METZ CVD 6 (TENOTOMY)	Pilling 342220	1
NH CRILE WOOD FINE TC 6 (Small fine needle driver)	Pilling 152780	1
NH HALSEY 5 TC (Mini toothed driver)	Pilling 152800	1
FCP ALLIS TISSUE 5 X 6 TEETH 6" REG WEIGHT (Allis)	Pilling 182860	1
FCP HALSTEAD MOSQ CVD 5 (Mosquito)	Pilling 182310	6
SCISS STEVENS TENOTOMY CVD 4.4 (Curved Stevens)	Pilling 144352	1
SCISS STEVEN TENOTOMY STR 4.4 (Straight Stevens)	Pilling 144350	1
SCISS IRIS STR SS 4 1/2 (Sharpies)	Pilling 144300	1
FCP BACKHAUS TOWEL 3 1/2 (Piercing towel clip)	Pilling 121605	2

Total

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Reduced tray composition — skin

DESCRIPTION	CATALOG	QTY
FCP ADSON 15CM 1 x 2 TOOTHED (Toothed Adsons)	Pilling 181223	2
CASTRO FCP STR JAW .5MM (Castros)	Storz E1798	1
FCP CASTROVIEJO SUTURING (Castros w/ holes in handles)	Katena K5-2510	1
HOOK GILLES SKIN LG 4MM (Longer skin hook)	Pilling 054130	2
HOOK JOSEPH SKIN DBL 10MM (Wide double skin hook)	Pilling 442108	2
CUP MEDICINE 2 OZ (Small cup)	Pilling 471115	2
TUBE SUCTION FERG FRAZ 6FR SZ 0	Pilling 162410	1
SCALPEL HANDLE BARRON # 3 (Cylindrical scalpel handle)	Aesculap BB068R	1
HANDLE KNIFE STANDARD #3 (Normal scalpel handle)	Pilling 352950	2
FCP SPONGE STR SERR 9 1/2 (Sponge stick)	Pilling 121417	1
SCISS MAYO STR BEV 6 3/4 (Mayos)	Pilling 141312	1
NH CRILE WOOD FINE TC 6 (Small fine needle driver)	Pilling 152780	1
NH HALSEY 5 TC (Mini toothed driver)	Pilling 152800	1
FCP ALLIS TISSUE 5 X 6 TEETH 6" REG WEIGHT (Allis)	Pilling 182860	1
SCISS STEVENS TENOTOMY CVD 4.4 (Curved Stevens)	Pilling 144352	1
SCISS STEVEN TENOTOMY STR 4.4 (Straight Stevens)	Pilling 144350	1
SCISS IRIS STR SS 4 1/2 (Sharpies)	Pilling 144300	1
FCP BACKHAUS TOWEL 3 1/2 (Piercing towel clip)	Pilling 121605	2
FCP HALSTEAD MOSQ CVD 5 (Mosquito)	Pilling 182310	2
FCP ADSON SERRATED 4-3/4" (Non toothed Adsons)	Pilling 181220	1

Total

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Extant tray composition — sinus

DESCRIPTION	CATALOG	QTY
COTTLE SEPTUM SPECULUM	Storz N2200	1
CUP MEDICINE 2 OZ	Pilling 471115	1
FCP LUCAE EAR DEL 5 1/2" (Bayonets)	Storz N0900	1
WIEDER TONGUE DEPRESSOR L (Sweetheart)	Storz N7332	1
SCISS OPER STR S/S 5.5	Pilling 460140	1
VIENNA NASAL SPEC. #1 (short)	Storz N2121	1
VIENNA NASAL SPEC. #3 (long)	Storz N2123	1
SUCTION CURVED # 10	Pilling 29304	1
STYLETTE		1
SUCTION ANGLED # 8	Pilling 29302	1
STYLETTE		1
SUCTION MALLEABLE # 1 (Curved Suction)	Storz N2486	1
STYLETTE		1
FCP PEERS TOWEL 5 3/4 (Piercing clips)	Pilling 121650	1

DESCRIPTION	CATALOG	QTY
PUNCH, BLUNTNOSE, 1.0 MM, STR	Acufex 012035	1
FCP RHINO 451001-B (Straight Thru-cut)		1
FCP RHINO 451500-B (Upgoing thru-cut)		1
FCP RP5801 (Straight, small biopsies)		1
FCP RP5802 (Upgoing, small biopsies)		1
FCP BLAKESLEY STR #1 (Blakesley)	Karl Storz 456001	1
ELEV GORNEY SEPTUM SUCTION (Suction elevator)	Karl Storz 474001	1
STYLETTE		1
SUCTION TUBE 4MM LONG CV (Big curved sucker)	Karl Storz 586040	1
SUCTION TUBE 2.5MM LONG C (Medium, curved sucker)	Karl Storz 586031	1
SUCTION ANTRUM SMALL (Small, curved sucker)		1
PROBE D/E S.50.714 (Frontal probe)		1
OSTIUM SEEKER,MAX,BALLTIP (Ball probe)	Karl Storz 629820	1
ANTRUM CURETTE 1.5X6MM (Straight curette)	Karl Storz 628702	1
CURETTE,SM,OBLONG,45 DEG (J curette)	Karl Storz 628714	1
CURETTE,SM,OBLONG,90 DEG (90 degree J)	Karl Storz 628712	1

DESCRIPTION	CATALOG	QTY
ELEV NASAL FRACTURE BOIES (Persuader)	Storz N4655	1
ENT MALLET (Hammer)		1

DESCRIPTION	CATALOG	QTY
COTTLE SEPTUM SPECULUM	Storz N2200	1
VIENNA NASAL SPEC. #4	Storz N2106	1
WIEDER TONGUE DEPRESSOR S (Sweetheart)	Storz N7330	1
FCP ADSON SERRATED 4-3/4" (Adsons)	Pilling 181220	1
FCP BROWN TISSUE 9 X 9 4-3/4 (Adson Browns)	Pilling 181235	1
FCP ADSON 15CM 1 x 2 TOOTHED (Toothed Adsons)	Pilling 181223	1
FCP LUCAE EAR DEL 5 1/2" (Bayonetts)	Storz N0900	2
BUCK EAR CUR,DULL,#0 (Wax curette)	Storz N0400-0	1
CUP MEDICINE 2 OZ (Cup)	Pilling 471115	3
FCP SUCTION UP (suction forceps, upgoing)		1
FCP SUCTION STRAIGHT (suction forceps, straight)		1
BACK BITER PEADIATRIC		1
EAR SUCTION TUBING		1
JANSEN-MIDDLETON FCP.4X11 (Jansen-Middleton)	Storz N3070	1
Chuck Handle #3K, 10cm long (Beaver blade handle)	Katena K20-1910	1
SCALPEL HANDLE # 7 (Long, skinny scalpel handle)	Pilling M36-16	1
FREER ELEVATOR 7" D/E (Freer)	Storz N2348	1
OSTEOTOME COTTLE 9MM	Storz N4339	1
OSTEOTOME COTTLE 6MM	Storz N4337	1
OSTEOTOME COTTLE 4MM	Storz N4334	1
ELEV HOWARTH (Howarth)		1
ELEV COTTLE STORZ (Cottle)	Storz N4660	1
KNIFE COTTLE NASAL (Cottle knife)	Storz N4240	1
RETR NEIVERT BALL TIP (2-ball retractor)	Storz N4285	1
HOOK GILLES SKIN LG 4MM (Skin hooks)	Pilling 054130	2
SICKLE KNIFE 10MM CVD SNG	Storz N2909	1
ballenger swivel knife	Instrumentarium 477703	1
suction freer		1
SUCTION ANGLED # 8	Pilling 29302	1
STYLETTE		1
SUCTION CURVED # 10	Pilling 29304	1
STYLETTE		1
SUCTION TUBE 4MM SHORT CV (shortest, 45 degree sucker)	Karl Storz 586240	1
SUCTION TUBE 3MM LONG CV (medium, 90 degree sucker)	Karl Storz 586030	1
SUCTION TUBE 3MM SHORT CV (medium, gentler curve)	Karl Storz 586230	1
NH CRILE WOOD TC 7 (Needle driver)	Pilling 152782	1
NH HALSEY 5 TC (short driver)	Pilling 152800	1
FCP HALSTEAD MOSQ CVD 5 (Curved mosequito)	Pilling 182310	2
FCP BACKHAUS TOWEL 5 1/2 (piercing towel clip)	Pilling 121600	2

DESCRIPTION	CATALOG	QTY
FCP PEERS TOWEL 5 3/4 (Non piercing clip)	Pilling 121650	5
SCISS MAYO STR BEV 6 3/4 (Mayos)	Pilling 141312	1
SCISS METZ CVD 5 3/4" REG (Metz)	Pilling 142200	1
SCISS STEVENS TENOTOMY CVD 4.4 (Curved short stevens)	Pilling 144352	1
SCISS FOMON LOWER LAT CVD 5.0 (medium, curved scissors)	Pilling 056360	1
SCISS EYE CVD 4 (sharpies)	Pilling 423434	1
SCISS KNIGHT NASAL MED WT (Septal scissors)	Storz N2886	1
SCISS NASAL RT 11MM BLADES (Endoscopic scissors, Right)	Karl Storz 449202	1
SCISS NASAL LFT 11MM BLADES (Endoscopic scissors, Left)	Karl Storz 449203	1
SCISS NASAL STR 11MM BLADES (Endoscopic Scissors)	Karl Storz 449201	1
FCP BLAKESLEY UP #0 (Upgoing Blakesley)	Karl Storz 457000	1
BLAKESLEY FCP 90' UP 4X10 (90 degree Blakesley)	Karl Storz 456801	1
OST ANT PNCH LF SIDE CUT (Left punch)	Karl Storz 459012	1
OST ANT PNCH RT SIDE CUT (Right punch)	Karl Storz 459011	1
OST ANT PNCH BCK 3MMX7MM (Straight punch)	Karl Storz 459010	1
FCP WILDE NASAL STR (Wildes)	Storz N2980	1
FCP WEIL NASAL.STR.ROUND (Weil)	Storz N2974	1
FCP BIOPSY STR DOUBLE SPOON 9" (Spoon nasal biopsy)	Karl Storz 723030	1
FCP GRASPING HEUWIESER ANTRUM 5.1" (Heuwieser)	Xomed 3711071	1

Total

100

Reduced tray composition — sinus

DESCRIPTION	CATALOG	QTY
COTTLE SEPTUM SPECULUM	Storz N2200	1
CUP MEDICINE 2 OZ	Pilling 471115	1
FCP LUCAE EAR DEL 5 1/2" (Bayonets)	Storz N0900	1
VIENNA NASAL SPEC. #1 (short)	Storz N2121	1
VIENNA NASAL SPEC. #3 (long)	Storz N2123	1
FCP RHINO 451001-B (Straight Thru-cut)		1
FCP RHINO 451500-B (Upgoing thru-cut)		1
FCP BLAKESLEY STR #1 (Blakesley)	Karl Storz 456001	1
SUCTION TUBE 4MM LONG CV (Big curved sucker)	Karl Storz 586040	1
SUCTION TUBE 2.5MM LONG C (Medium, curved sucker)	Karl Storz 586031	1
SUCTION ANTRUM SMALL (Small, curved sucker)		1
PROBE D/E S.50.714 (Frontal probe)		1
OSTIUM SEEKER,MAX,BALLTIP (Ball probe)	Karl Storz 629820	1
ANTRUM CURETTE 1.5X6MM (Straight curette)	Karl Storz 628702	1
CURETTE,SM,OBLONG,45 DEG (J curette)	Karl Storz 628714	1
CURETTE,SM,OBLONG,90 DEG (90 degree J)	Karl Storz 628712	1
ELEV NASAL FRACTURE BOIES (Persuader)	Storz N4655	1
FCP LUCAE EAR DEL 5 1/2" (Bayonetts)	Storz N0900	2
CUP MEDICINE 2 OZ (Cup)	Pilling 471115	3
BACK BITER PEADIATRIC		1
ELEV COTTLE STORZ (Cottle)	Storz N4660	1
SUCTION ANGLED # 8	Pilling 29302	1
SUCTION CURVED # 10	Pilling 29304	1
FCP BACKHAUS TOWEL 5 1/2 (piercing towel clip)	Pilling 121600	2
FCP PEERS TOWEL 5 3/4 (Non piercing clip)	Pilling 121650	5
SCISS MAYO STR BEV 6 3/4 (Mayos)	Pilling 141312	1
FCP BLAKESLEY UP #0 (Upgoing Blakesley)	Karl Storz 457000	1
BLAKESLEY FCP 90' UP 4X10 (90 degree Blakesley)	Karl Storz 456801	1

Total

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Extant tray composition — septoplasty

DESCRIPTION	CATALOG	QTY
COTTLE SEPTUM SPECULUM	Storz N2200	1
CUP MEDICINE 2 OZ	Pilling 471115	1
FCP LUCAE EAR DEL 5 1/2" (Bayonets)	Storz N0900	1
WIEDER TONGUE DEPRESSOR L (Sweetheart)	Storz N7332	1
SCISS OPER STR S/S 5.5	Pilling 460140	1
VIENNA NASAL SPEC. #1 (short)	Storz N2121	1
VIENNA NASAL SPEC. #3 (long)	Storz N2123	1
SUCTION CURVED # 10	Pilling 29304	1
STYLETTE		1
SUCTION ANGLED # 8	Pilling 29302	1
STYLETTE		1
SUCTION MALLEABLE # 1 (Curved Suction)	Storz N2486	1
STYLETTE		1
FCP PEERS TOWEL 5 3/4 (Piercing clips)	Pilling 121650	1

DESCRIPTION	CATALOG	QTY
ELEV NASAL FRACTURE BOIES (Persuader)	Storz N4655	1
ENT Mallet (Hammer)		1
COTTLE SEPTUM SPECULUM	Storz N2200	1
VIENNA NASAL SPEC. #4	Storz N2106	1
WIEDER TONGUE DEPRESSOR S (Sweetheart)	Storz N7330	1
FCP ADSON SERRATED 4-3/4" (Adsons)	Pilling 181220	1
FCP BROWN TISSUE 9 X 9 4-3/4 (Adson Browns)	Pilling 181235	1
FCP ADSON 15CM 1 x 2 TOOTHED (Toothed Adsons)	Pilling 181223	1
FCP LUCAE EAR DEL 5 1/2" (Bayonets)	Storz N0900	2
BUCK EAR CUR,DULL,#0 (Wax curette)	Storz N0400-0	1
CUP MEDICINE 2 OZ (Cup)	Pilling 471115	3
FCP SUCTION UP (suction forceps, upgoing)		1
FCP SUCTION STRAIGHT (suction forceps, straight)		1
BACK BITER PEADIATRIC		1
EAR SUCTION TUBING		1
JANSEN-MIDDLETON FCP.4X11 (Jansen-Middleton)	Storz N3070	1
Chuck Handle #3K, 10cm long (Beaver blade handle)	Katena K20-1910	1
SCALPEL HANDLE # 7 (Long, skinny scalpel handle)	Pilling M36-16	1
FREER ELEVATOR 7" D/E (Freer)	Storz N2348	1
OSTEOTOME COTTLE 9MM	Storz N4339	1
OSTEOTOME COTTLE 6MM	Storz N4337	1

DESCRIPTION	CATALOG	QTY
OSTEOTOME COTTLE 4MM	Storz N4334	1
ELEV HOWARTH (Howarth)		1
ELEV COTTLE STORZ (Cottle)	Storz N4660	1
KNIFE COTTLE NASAL (Cottle knife)	Storz N4240	1
RETR NEIVERT BALL TIP (2-ball retractor)	Storz N4285	1
HOOK GILLES SKIN LG 4MM (Skin hooks)	Pilling 054130	2
SICKLE KNIFE 10MM CVD SNG	Storz N2909	1
ballenger swivel knife	Instrumentarium 477703	1
suction freer		1
SUCTION ANGLED # 8	Pilling 29302	1
STYLETTE		1
SUCTION CURVED # 10	Pilling 29304	1
STYLETTE		1
SUCTION TUBE 4MM SHORT CV (shortest, 45 degree sucker)	Karl Storz 586240	1
SUCTION TUBE 3MM LONG CV (medium, 90 degree sucker)	Karl Storz 586030	1
SUCTION TUBE 3MM SHORT CV (medium, gentler curve)	Karl Storz 586230	1
NH CRILE WOOD TC 7 (Needle driver)	Pilling 152782	1
NH HALSEY 5 TC (short driver)	Pilling 152800	1
FCP HALSTEAD MOSQ CVD 5 (Curved mosequito)	Pilling 182310	2
FCP BACKHAUS TOWEL 5 1/2 (piercing towel clip)	Pilling 121600	2
FCP PEERS TOWEL 5 3/4 (Non piercing clip)	Pilling 121650	5
SCISS MAYO STR BEV 6 3/4 (Mayos)	Pilling 141312	1
SCISS METZ CVD 5 3/4" REG (Metz)	Pilling 142200	1
SCISS STEVENS TENOTOMY CVD 4.4 (Curved short stevens)	Pilling 144352	1
SCISS FOMON LOWER LAT CVD 5.0 (medium, curved scissors)	Pilling 056360	1
SCISS EYE CVD 4 (sharpies)	Pilling 423434	1
SCISS KNIGHT NASAL MED WT (Septal scissors)	Storz N2886	1
SCISS NASAL RT 11MM BLADES (Endoscopic scissors, Right)	Karl Storz 449202	1
SCISS NASAL LFT 11MM BLADES (Endoscopic scissors, Left)	Karl Storz 449203	1
SCISS NASAL STR 11MM BLADES (Endoscopic Scissors)	Karl Storz 449201	1
FCP BLAKESLEY UP #0 (Upgoing Blakesley)	Karl Storz 457000	1
BLAKESLEY FCP 90' UP 4X10 (90 degree Blakesley)	Karl Storz 456801	1
OST ANT PNCH LF SIDE CUT (Left punch)	Karl Storz 459012	1
OST ANT PNCH RT SIDE CUT (Right punch)	Karl Storz 459011	1
OST ANT PNCH BCK 3MMX7MM (Straight punch)	Karl Storz 459010	1
FCP WILDE NASAL STR (Wildes)	Storz N2980	1
FCP WEIL NASAL.STR.ROUND (Weil)	Storz N2974	1
FCP BIOPSY STR DOUBLE SPOON 9" (Spoon nasal biopsy)	Karl Storz 723030	1
FCP GRASPING HEUWIESER ANTRUM 5.1" (Heuwieser)	Xomed 3711071	1

DESCRIPTION	CATALOG	QTY
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Total

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Reduced tray composition — septoplasty

DESCRIPTION	CATALOG	QTY
COTTLE SEPTUM SPECULUM	Storz N2200	1
CUP MEDICINE 2 OZ	Pilling 471115	1
FCP LUCAE EAR DEL 5 1/2" (Bayonets)	Storz N0900	1
VIENNA NASAL SPEC. #1 (short)	Storz N2121	1
VIENNA NASAL SPEC. #3 (long)	Storz N2123	1
ELEV NASAL FRACTURE BOIES (Persuader)	Storz N4655	1
VIENNA NASAL SPEC. #4	Storz N2106	1
FCP ADSON 15CM 1 x 2 TOOTHED (Toothed Adsons)	Pilling 181223	1
FCP LUCAE EAR DEL 5 1/2" (Bayonetts)	Storz N0900	2
CUP MEDICINE 2 OZ (Cup)	Pilling 471115	3
SCALPEL HANDLE # 7 (Long, skinny scalpel handle)	Pilling M36-16	1
ELEV COTTLE STORZ (Cottle)	Storz N4660	1
KNIFE COTTLE NASAL (Cottle knife)	Storz N4240	1
SUCTION ANGLED # 8	Pilling 29302	1
NH CRILE WOOD TC 7 (Needle driver)	Pilling 152782	1
NH HALSEY 5 TC (short driver)	Pilling 152800	1
FCP BACKHAUS TOWEL 5 1/2 (piercing towel clip)	Pilling 121600	2
FCP PEERS TOWEL 5 3/4 (Non piercing clip)	Pilling 121650	5
SCISS MAYO STR BEV 6 3/4 (Mayos)	Pilling 141312	1
SCISS FOMON LOWER LAT CVD 5.0 (medium, curved scissors)	Pilling 056360	1
SCISS KNIGHT NASAL MED WT (Septal scissors)	Storz N2886	1
FCP WILDE NASAL STR (Wildes)	Storz N2980	1
WIEDER TONGUE DEPRESSOR S (Sweetheart)	Storz N7330	1
Chuck Handle #3K, 10cm long (Beaver blade handle)	Katena K20-1910	1
JANSEN-MIDDLETON FCP.4X11 (Jansen-Middleton)	Storz N3070	1

Total

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Extant tray composition — septorhinoplasty

DESCRIPTION	CATALOG	QTY
COTTLE SEPTUM SPECULUM	Storz N2200	1
CUP MEDICINE 2 OZ	Pilling 471115	1
FCP LUCAE EAR DEL 5 1/2" (Bayonets)	Storz N0900	1
WIEDER TONGUE DEPRESSOR L (Sweetheart)	Storz N7332	1
SCISS OPER STR S/S 5.5	Pilling 460140	1
VIENNA NASAL SPEC. #1 (short)	Storz N2121	1
VIENNA NASAL SPEC. #3 (long)	Storz N2123	1
SUCTION CURVED # 10	Pilling 29304	1
STYLETTE		1
SUCTION ANGLED # 8	Pilling 29302	1
STYLETTE		1
SUCTION MALLEABLE # 1 (Curved Suction)	Storz N2486	1
STYLETTE		1
FCP PEERS TOWEL 5 3/4 (Piercing clips)	Pilling 121650	1

DESCRIPTION	CATALOG	QTY
ELEV NASAL FRACTURE BOIES (Persuader)	Storz N4655	1
ENT Mallet (Hammer)		1
COTTLE SEPTUM SPECULUM	Storz N2200	1
VIENNA NASAL SPEC. #4	Storz N2106	1
WIEDER TONGUE DEPRESSOR S (Sweetheart)	Storz N7330	1
FCP ADSON SERRATED 4-3/4" (Adsons)	Pilling 181220	1
FCP BROWN TISSUE 9 X 9 4-3/4 (Adson Browns)	Pilling 181235	1
FCP ADSON 15CM 1 x 2 TOOTHED (Toothed Adsons)	Pilling 181223	1
FCP LUCAE EAR DEL 5 1/2" (Bayonets)	Storz N0900	2
BUCK EAR CUR,DULL,#0 (Wax curette)	Storz N0400-0	1
CUP MEDICINE 2 OZ (Cup)	Pilling 471115	3
FCP SUCTION UP (suction forceps, upgoing)		1
FCP SUCTION STRAIGHT (suction forceps, straight)		1
BACK BITER PEADIATRIC		1
EAR SUCTION TUBING		1
JANSEN-MIDDLETON FCP.4X11 (Jansen-Middleton)	Storz N3070	1
Chuck Handle #3K, 10cm long (Beaver blade handle)	Katena K20-1910	1
SCALPEL HANDLE # 7 (Long, skinny scalpel handle)	Pilling M36-16	1
FREER ELEVATOR 7" D/E (Freer)	Storz N2348	1
OSTEOTOME COTTLE 9MM	Storz N4339	1
OSTEOTOME COTTLE 6MM	Storz N4337	1

DESCRIPTION	CATALOG	QTY
OSTEOTOME COTTLE 4MM	Storz N4334	1
ELEV HOWARTH (Howarth)		1
ELEV COTTLE STORZ (Cottle)	Storz N4660	1
KNIFE COTTLE NASAL (Cottle knife)	Storz N4240	1
RETR NEIVERT BALL TIP (2-ball retractor)	Storz N4285	1
HOOK GILLES SKIN LG 4MM (Skin hooks)	Pilling 054130	2
SICKLE KNIFE 10MM CVD SNG	Storz N2909	1
ballenger swivel knife	Instrumentarium 477703	1
suction freer		1
SUCTION ANGLED # 8	Pilling 29302	1
STYLETTE		1
SUCTION CURVED # 10	Pilling 29304	1
STYLETTE		1
SUCTION TUBE 4MM SHORT CV (shortest, 45 degree sucker)	Karl Storz 586240	1
SUCTION TUBE 3MM LONG CV (medium, 90 degree sucker)	Karl Storz 586030	1
SUCTION TUBE 3MM SHORT CV (medium, gentler curve)	Karl Storz 586230	1
NH CRILE WOOD TC 7 (Needle driver)	Pilling 152782	1
NH HALSEY 5 TC (short driver)	Pilling 152800	1
FCP HALSTEAD MOSQ CVD 5 (Curved mosequito)	Pilling 182310	2
FCP BACKHAUS TOWEL 5 1/2 (piercing towel clip)	Pilling 121600	2
FCP PEERS TOWEL 5 3/4 (Non piercing clip)	Pilling 121650	5
SCISS MAYO STR BEV 6 3/4 (Mayos)	Pilling 141312	1
SCISS METZ CVD 5 3/4" REG (Metz)	Pilling 142200	1
SCISS STEVENS TENOTOMY CVD 4.4 (Curved short stevens)	Pilling 144352	1
SCISS FOMON LOWER LAT CVD 5.0 (medium, curved scissors)	Pilling 056360	1
SCISS EYE CVD 4 (sharpies)	Pilling 423434	1
SCISS KNIGHT NASAL MED WT (Septal scissors)	Storz N2886	1
SCISS NASAL RT 11MM BLADES (Endoscopic scissors, Right)	Karl Storz 449202	1
SCISS NASAL LFT 11MM BLADES (Endoscopic scissors, Left)	Karl Storz 449203	1
SCISS NASAL STR 11MM BLADES (Endoscopic Scissors)	Karl Storz 449201	1
FCP BLAKESLEY UP #0 (Upgoing Blakesley)	Karl Storz 457000	1
BLAKESLEY FCP 90' UP 4X10 (90 degree Blakesley)	Karl Storz 456801	1
OST ANT PNCH LF SIDE CUT (Left punch)	Karl Storz 459012	1
OST ANT PNCH RT SIDE CUT (Right punch)	Karl Storz 459011	1
OST ANT PNCH BCK 3MMX7MM (Straight punch)	Karl Storz 459010	1
FCP WILDE NASAL STR (Wildes)	Storz N2980	1
FCP WEIL NASAL.STR.ROUND (Weil)	Storz N2974	1
FCP BIOPSY STR DOUBLE SPOON 9" (Spoon nasal biopsy)	Karl Storz 723030	1
FCP GRASPING HEUWIESER ANTRUM 5.1" (Heuwieser)	Xomed 3711071	1

DESCRIPTION	CATALOG	QTY
SCISS COTTLE DORSAL (Cottle Scissors)	Medtronic 37-13002	1
MALLET COTTLE (Mallet)	Medtronic 37-14353	1
ELEV NASAL FRACTURE BOIES (Persuader)	Storz N4655	1
RONG KK D/A LT CVD LRG (Medium rongeur)	Pilling 065212	1
RONG LEMPERT 6 STR 3 X 7MM (Lempert rongeur)	K-Medic KM47-258	1
SUCTION ANGLED # 8	Pilling 29302	1
Converse (Converse retractor)	Xomed 3714472	1
CASTRO NH STR DEL W/LOCK (Castro driver with locking handle)	Weck 004130	1
RETR COTTLE ALAR (Alar retractor, smooth)	Medtronic 37-14187	1
SPEC NASAL COTTLE 50MM (Nasal Speculum)	Xomed 3714472	1
FCP PEERS TOWEL 5 3/4 (Non piercing towel clips)	Pilling 121650	2
BACKHAUS TOWEL CLIP 5 1/2 (Piercing towel clips)	Pilling 12-1600	4
FCP ROCH-PEAN HEMOSTAT CVD 6 1/4 (Curved Kelly)	Pilling 182445	1
NH HALSEY SMOOTH 5 TC (Small needle drive)	Pilling 152802	2
NH RYDER 1MM JAW 5 TC (Needle driver with black handle)	Pilling 354990	1
OSTEO LAMBOTTE-TYPE CVD 6.4MM (Long, curved osteo)	Zimmer 282-01	1
OSTEOTOME 3MM	Medtronic 37-14060	1
Osteotome Cur #5 Right	Xomed 3714090	1
Osteotome Cur #5 left	Xomed 3714091	1
OSTEOTOME RUBIN 10MM EDGE	Medtronic 37-14075	1
OSTEOTOME RUBIN 12MM EDGE	Xomed 3714076	1
OSTEOTOME COTTLE 6MM	Storz N4337	1
OSTEOTOME BECKER SINGLE GUARD 3MM	Medtronic CP313-1	1
ELEV FREER SEPTUM 4.5MM (Freer elevator)	Medtronic 37-14038	1
Rasp Fomon Dble End fine	Xomed 3714148	1
Rasp Fomon Dble End Coarse	Xomed 3714149	1
Elevator Cottle Skin (Cottle, thicker, shorter)	Xomed 3714126	1
ELEV COTTLE STORZ (Cottle elevator, longer, normal)	Storz N4660	1
KNIFE COTTLE NASAL (Cottle Knife)	Storz N4240	1
SCISS STICH SHARP POINT (Sharp pointed short scissors)	Medtronic 37-41033	1
SCISSOR STEVENS CURVED (Curved stevens, short)	Xomed 3741036	3
SCISS BECKER CONVERSE SERRATED (Sharp pointed, curved)	Medtronic CP1106	1
SCISS IRIS STR SS 4 1/2 (Sharpie scissors)	Pilling 144300	1
TISSUE BISHOP HARMS THD (Small pickups, size of Castros, teeth interlock)	Ocutek 3257	1
FCP CATROVIEJO SUTURE 4 1 X 2 0.5MM (Castro pickups)	K-Medic KM53-456	2
FCP BROWN TISSUE 9 X 9 4-3/4 (Adson Browns)	Pilling 181235	1
FCP ADSON 15CM 1 x 2 TOOTHED (Toothed Adsons)	Pilling 181223	1
FCP BAYONET (Bayonets)	Instrumentarium	1

Appendix to: John-Baptiste A, Sowerby LJ, Chin CJ, et al. Comparing surgical trays with redundant instruments with trays with reduced instruments: a cost analysis. *CMAJ Open* 2016. DOI: 10.9778/cmajo.2015-0092. Copyright © 2016 Joule Inc. or its licensors

DESCRIPTION	CATALOG	QTY
	PL.5565	
SCISS MAYO STR BEV 6 3/4 (Mayos)	Pilling 141312	1
ELEV JOSEPH PERIOSTEAL (Periosteal)	Medtronic 37-14125	1
HOOK COTTLE SKIN DEEP CURVE SMALL (Single hook)	Medtronic 37-14108	2
HOOK JOSEPH SKIN DBL 2MM (Wide double)	Medtronic 37-14020	2
HOOK JOSEPH SKIN DBL 10MM (Narrow double)	Medtronic 37-14023	2
RETR RAGNELL D/E 5.75 (Ragnell)	Pilling 054600	2
HANDLE KNIFE STANDARD #3 (Normal handle)	Pilling 352950	1
KNIFE HANDLE BARRON (Cylindrical handle)	Downs HG-275-05-G	1

Total

142

Reduced tray composition — septorhinoplasty

DESCRIPTION	CATALOG	QTY
COTTLE SEPTUM SPECULUM	Storz N2200	1
CUP MEDICINE 2 OZ	Pilling 471115	1
FCP LUCAE EAR DEL 5 1/2" (Bayonets)	Storz N0900	1
VIENNA NASAL SPEC. #1 (short)	Storz N2121	1
VIENNA NASAL SPEC. #3 (long)	Storz N2123	1
FCP LUCAE EAR DEL 5 1/2" (Bayonets)	Storz N0900	2
CUP MEDICINE 2 OZ (Cup)	Pilling 471115	3
OSTEOTOME COTTLE 6MM	Storz N4337	1
HOOK GILLES SKIN LG 4MM (Skin hooks)	Pilling 054130	2
SCISS KNIGHT NASAL MED WT (Septal scissors)	Storz N2886	1
FCP WILDE NASAL STR (Wildes)	Storz N2980	1
MALLET COTTLE (Mallet)	Medtronic 37-14353	1
ELEV NASAL FRACTURE BOIES (Persuader)	Storz N4655	1
SUCTION ANGLED # 8	Pilling 29302	1
Converse (Converse retractor)	Xomed 3714472	1
SPEC NASAL COTTLE 50MM (Nasal Speculum)	Xomed 3714472	1
FCP PEERS TOWEL 5 3/4 (Non piercing towel clips)	Pilling 121650	2
BACKHAUS TOWEL CLIP 5 1/2 (Piercing towel clips)	Pilling 12-1600	4
NH HALSEY SMOOTH 5 TC (Small needle drive)	Pilling 152802	2
Osteotome Cur #5 Right	Xomed 3714090	1
Osteotome Cur #5 left	Xomed 3714091	1
OSTEOTOME RUBIN 10MM EDGE	Medtronic 37-14075	1
OSTEOTOME COTTLE 6MM	Storz N4337	1
Rasp Fomon Dble End fine	Xomed 3714148	1
Rasp Fomon Dble End Coarse	Xomed 3714149	1
ELEV COTTLE STORZ (Cottle elevator, longer, normal)	Storz N4660	1
KNIFE COTTLE NASAL (Cottle Knife)	Storz N4240	1
SCISS STICH SHARP POINT (Sharp pointed short scissors)	Medtronic 37-41033	1
SCISSOR STEVENS CURVED (Curved stevens, short)	Xomed 3741036	3
SCISS IRIS STR SS 4 1/2 (Sharpie scissors)	Pilling 144300	1
TISSUE BISHOP HARMS THD (Small pickups, size of Castros, teeth interlock)	Ocutek 3257	1
FCP CATROVIEJO SUTURE 4 1 X 2 0.5MM (Castro pickups)	K-Medic KM53-456	2
FCP BROWN TISSUE 9 X 9 4-3/4 (Adson Browns)	Pilling 181235	1
FCP ADSON 15CM 1 x 2 TOOTHED (Toothed Adsons)	Pilling 181223	1
SCISS MAYO STR BEV 6 3/4 (Mayos)	Pilling 141312	1

DESCRIPTION	CATALOG	QTY
HOOK COTTLE SKIN DEEP CURVE SMALL (Single hook)	Medtronic 37-14108	2
HOOK JOSEPH SKIN DBL 2MM (Wide double)	Medtronic 37-14020	2
HOOK JOSEPH SKIN DBL 10MM (Narrow double)	Medtronic 37-14023	2
RETR RAGNELL D/E 5.75 (Ragnell)	Pilling 054600	2
HANDLE KNIFE STANDARD #3 (Normal handle)	Pilling 352950	1
KNIFE HANDLE BARRON (Cylindrical handle)	Downs HG-275-05-G	1
WIEDER TONGUE DEPRESSOR S (Sweetheart)	Storz N7330	1
Chuck Handle #3K, 10cm long (Beaver blade handle)	Katena K20-1910	1
JANSEN-MIDDLETON FCP.4X11 (Jansen-Middleton)	Storz N3070	1

Total

60