



Hyfrecator[®] Product Catalog



ELECTROLASE[®]
SHARP TIP



HYFREATOR[®]
PENCIL SHEATH



GENERAL PURPOSE
ELECTRODE



FINE NEEDLE
ELECTRODE



Ordering Information	2
Hyfrecator® 2000.....	3, 4
Hyfrecator® Accessories for All Models.....	5
Smoke Evacuation System	6
Disposable Hyfrecator® Accessories.....	7
Reusable Hyfrecator® Accessories	8 - 10
Bipolar Accessories	11, 12
Numerical Index.....	14
Additional Resources	16 - 18

Hyfrecator® 2000 & Accessories

What makes the Hyfrecator® 2000 different?

- Precisely Controlled Power Output — Improves clinical outcomes
- Dual Microprocessing Technology — Continuously monitors the system for reliability and patient safety

Hyfrecator® 2000 ESU (International Units Available)

	Ref. #
Hyfrecator® 2000 115v, Includes power cord.....	7-900-115
Hyfrecator® 2000 100v, Includes power cord.....	7-900-100
Hyfrecator® 2000 220v, Power cord sold separately.	7-900-220
Hyfrecator® 2000 230-240v, Power cord sold separately.....	7-900-230

IEC 320 Power Cord Set, European	60-5108-001
IEC 320 Power Cord Set, British	60-5108-002
IEC 320 Power Cord Set, Italian	60-5108-003
IEC 320 Power Cord Set, US.....	62-5773-001





Training Tools

Ref. #

Video — “Hyfrecator® 2000 Inservice”
 - Provides setup instructions and other helpful tips for using the Hyfrecator®
 7-900-25-CD

Video — “Common Dermatologic Procedures”
 - Step-by-step instructions are provided by a noted physician for the removal of spider veins, moles, warts, skin tags, seborrheic keratoses, and skin cancers. (Approximate running time is 15 minutes).
 7-900-21-CD

Hyfrecator® 2000 Operator's Manual
 - Available in English, Spanish, French, Chinese, German, Dutch, Japanese, Swedish, Italian, Portuguese.
 - Includes safety precautions, terminology for systems and procedural configurations, applications, maintenance, optional accessories, specifications and performance graphs.

English	7-900-OM-ENG
Spanish	7-900-OM-SPN
French	7-900-OM-FRE
Chinese	7-900-OM-CHN
German	7-900-OM-GER
Dutch	7-900-OM-DUT
Japanese	7-900-OM-JPN
Swedish	7-900-OM-SWE
Italian	7-900-OM-ITN
Portuguese	7-900-OM-POR

Hyfrecator® 2000 Service Manual 7-900-SM-ENG
 - Available in English.
 - Guides the qualified biomedical electronics technician through all aspects of preventative maintenance and repairs necessary to keep the Hyfrecator® up to original factory specifications.

Mobile/Mounting Accessories

Telescoping Mobile Hyfrecator® Stand 7-900-1
 - Gray, five-legged pedestal stand that can be adjusted from 2-4ft.
 - Wall mount brackets are pre-installed.
 - For all Hyfrecator® models.

Wall Mount Kit 7-796-20

Pencils/Handpieces — One-Year Warranty

	Ref. #
Autoclavable, Reusable Hand Control Pencil	7-900-5
10ft. (3.0m) cord included. Fits Hyfrecator® 2000 only. Included with unit.	
Autoclavable, Reusable Foot Control Pencil.....	7-900-6
Autoclavable foot-switch activated pencil with 10ft. (3.0m) cord. Fits all Hyfrecator Models. Requires footswitch. See below.	



Foot Switch and Patient Plate

Foot Switch	7-900-4
10ft. (3.0m) cord included. For use with Hyfrecator® 2000.	
Foot Switch	7-796-4
10ft. (3.0m) cord included. For use with Hyfrecator® models 797 and 796.	
Patient Plate	7-900-7
Reusable 3.5in. X 6in. (8.9cm X 15.2cm) dispersive plate with 8ft. (2.4m) cord. Fits Hyfrecator® 2000 only.	
Patient Plate	7-796-7
Reusable 3.5in. X 6in. (8.9cm X 15.2cm) dispersive plate with 8ft. (2.4m) cord. Fits all other models.	





Smoke Evacuation System Accessories

Hyfre-Vac® II Filter Pack, 2/case, Sold by case only Ref. # 7-900-14

Hyfre-Vac® II Hand Held Tubing Non-sterile, 5/case..... Ref. # 7-900-13

Disposable Hyfrecator® Accessories

Disposable Pencil Sheaths

Ref. #

Pencil Sheath — Non-sterile

Disposable, clear plastic Sheaths protect the pencil body from external contamination during procedures. 8in. (20.0cm) long.

100/box 7-796-18BX

12 boxes/case 7-796-18CS

Pencil Sheath — Sterile

Disposable, clear plastic sheaths protect the pencil body and portion of cable from external contamination during procedures. 36in. (91.44cm) long.

25/box 7-796-19BX

4 boxes/case 7-796-19CS

Electrosurgical Tip Cleaner, Single-use, 6/package, 40/case 138029



Electrolase® Disposable Electrodes — Sharp Tips

Electrolase® Sharp Tips — Non-sterile

Disposable Hyfrecator® tips ideal for pinpoint coagulation. White plastic base.

100/box 7-100-12BX

12 boxes/case 7-100-12CS

Electrolase® Sharp Tips — Sterile

Disposable Hyfrecator® tips ideal for pinpoint coagulation. White plastic base.

50/box 7-100-8BX

12 boxes/case 7-100-8CS



Electrolase® Disposable Electrodes — Blunt Tips

Electrolase® Blunt Tips — Non-Sterile

Disposable Hyfrecator® tips ideal for broad based coagulation. Dark gray plastic base.

100/box 7-101-12BX

12 boxes/case 7-101-12CS

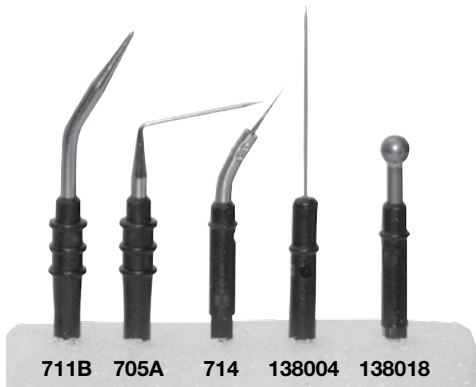
Electrolase® Blunt Tips — Sterile

Disposable Hyfrecator® tips ideal for broad based coagulation. Dark gray plastic base.

50/box 7-101-8BX

12 boxes/case 7-101-8CS





Reusable Hyfrecator® Accessories

	Ref. #
Electrode Starter Kit	700
Contains one each:	
- 711B	45° angle general purpose electrode
- 705A.....	75° angle needle electrode
- 714.....	30° angle extra fine needle electrode
- 138004...	.625in. straight needle electrode
- 138018...	ball electrode

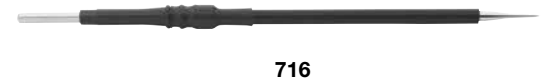
General Purpose Electrode with Protective Insulator	711B
45° angle. 3in. (7.6cm) overall.	



711B

Reusable Needle Electrodes

	Ref. #
Extra Fine Needle Electrode	714
30° angled, .375in., 1.0cm, extra fine needle electrode designed for delicate procedures. Commonly used for epilation and telangiectasias dermatology procedures as well as ophthalmology applications. Sold as package only 6 per pack.	
Epilation/Telangiectasias Needle	714-S
With special coating to reduce build up, this 30° angled, .375in., 1.0cm, extra fine needle electrode designed for delicate procedures. Commonly used for epilation and telangiectasias dermatology procedures as well as ophthalmology applications. Sold as package only 6 per pack.	
Needle Electrode for Pinpoint Procedures	7-221-A
30° angled, .75in. (1.905cm) needle electrode for pinpoint coagulation 2.5in (6.45cm) total length.	
Long Desiccation and Coagulation Needle	7-221-L
.625in. (1.588cm), electrode on long shaft, 5in. (12.7cm) total length.	
Long Desiccation Needle	716
.375in. (1cm) needle electrode on long shaft, 5in. (13cm) total length.	
Short Desiccation Needle	7-221-S
.375in. (1cm) needle electrode on short shaft, 2in. (5cm) total length.	
Fine Wire Needle	705A
75° angled, .5in. (1.3cm) needle electrode.	
Needle Electrode	138004
.625in., 2in. total length. Sold in package of 5 each.	





138019



138018



7-222-A



7-222-L

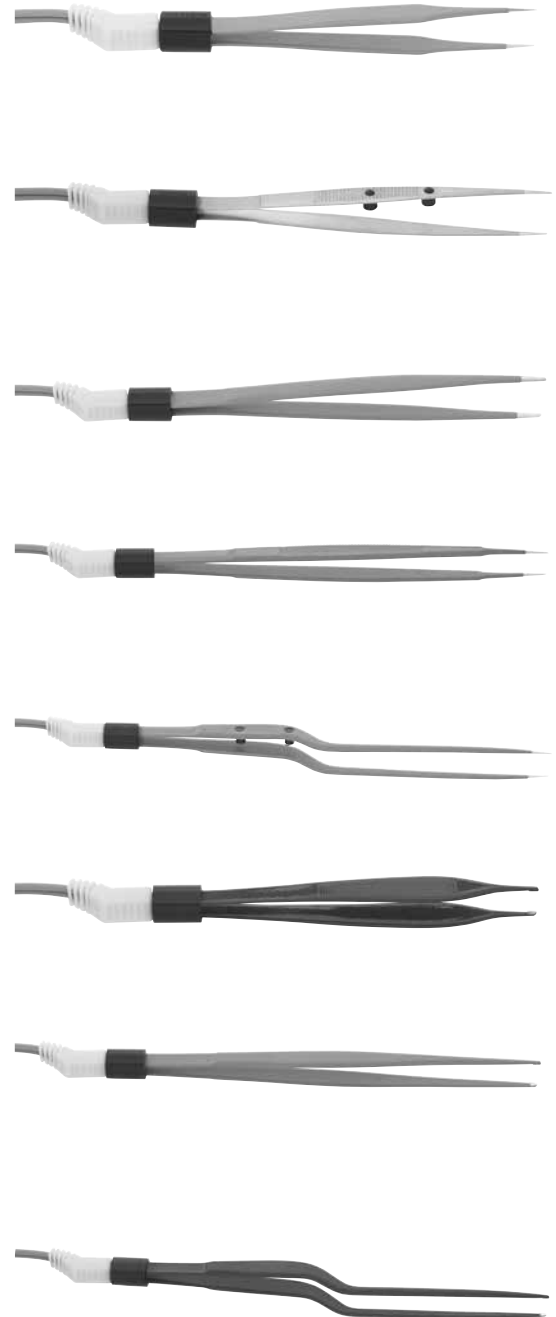
Reusable Ball Electrodes

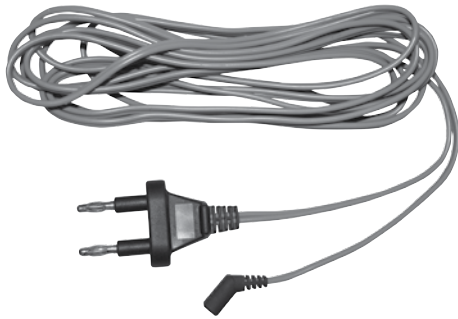
	Ref. #
Short Ball Electrode	138019
0.125in. (.3175cm) diameter ball electrode on short shaft. Sold in package of 5 each.	
Ball Electrode	138018
.1875in. (.5cm) diameter ball electrode used for controlled coagulation. 1.6in. total length. Sold in package of 10 each.	
Angled Ball Electrode	7-222-A
30° angled, .09375in. (.26cm) diameter ball electrode for controlled coagulation. 2.1in. (5.3cm) total length. Sold in package of one.	
Long Ball Electrode	7-222-L
.21875in. (.56cm) diameter ball electrode on long shaft, 5in. (13cm) total length. Sold in package of one.	

Bipolar Forceps

For precise desiccation and coagulation control. All forceps are autoclavable and require a bipolar cord and foot switch for operation. Cold sterilization may damage insulating material.

	Ref. No.
Jeweler's Micro Tip, Straight.....	7-809-1
Length, 4in. (10.2cm.) Tip, 0.4mm. Insulated. Requires foot switch and bipolar cord.	
Semkin Micro Tips, with Stops.....	60-1771-001
Length, 5.5in. (14cm.) Tip, 0.7mm. Uninsulated. Requires foot switch and bipolar cord.	
Semkin Straight	60-1772-001
Length, 6in. (15.2cm.) Tip, 1.5mm. Insulated. Requires foot switch and bipolar cord.	
Gerald Micro Tips	7-809-2
Length, 7in. (18.0cm.) Tip, 1.0mm. Insulated. Requires foot switch and bipolar cord.	
Hardy Micro Tips	7-809-3
Bayonet with Stops. Length, 8.25in (21cm). Tip, 0.5mm. Uninsulated Requires foot switch and bipolar cord.	
Adson Smooth Tips	7-809-4
Length, 5in. (13cm.) Tip, 1.0mm. Insulated. Requires foot switch and bipolar cord.	
Cushing Smooth Tips	7-809-5
Length, 7in. (18.0cm.) Tip, 1.5mm. Insulated. Requires foot switch and bipolar cord.	
Cushing Smooth Tips	7-809-6
Bayonet. Length, 7.5in. (19.0cm.) Tip, 0.7mm. Insulated Requires foot switch and bipolar cord.	





Bipolar Forceps (continued)

Ref. No.

Adson Serrated Tips 7-809-7
 Length, 5in. (13cm.) Tip, 1.0mm. Insulated.
 Requires foot switch and bipolar cord.

Cushing Serrated Tips 7-809-8
 Length, 7in. (18.0cm.) Tip, 1.5mm. Insulated.
 Requires foot switch and bipolar cord.

Cushing Serrated Tips 7-809-9
 Bayonet. Length, 7.5in. (19.0cm.) Tip, 0.7mm. Insulated
 Requires foot switch and bipolar cord.

Bipolar Cord

Bipolar 12ft. (3.7m) Cord 7-809-12
 Reusable, autoclavable. Fits all Hyfrecators®.

Foot Switches

Foot Switch 7-900-4
 For use with Hyfrecator® 2000.
 Includes 10ft. (3.0m) cord.

Foot Switch 7-796-4
 For use with Hyfrecator® models 797 and 796.
 Includes 10ft (3.0m) cord.

HYFREATOR® PRODUCTS **INDEX**

Ref. #	Description	Page #
700	Electrode Starter Kit	8
705A	Fine Wire Needle	9
711B	General Purpose Electrode with Protective Insulator	8
714	Extra Fine Needle Electrode	9
714-S	Epilation/Telangiectasias Needle	9
716	Long Desiccation Needle	9
138004	Needle Electrode	9
138018	Ball Electrode	10
138019	Short Ball Electrode	10
60-1771-001	Semkin Micro Tips, with Stops, Bipolar Forcep	11
60-1772-001	Semkin Straight, Bipolar Forcep	11
60-5108-001	IEC 320 Power Cord Set, European	3
60-5108-002	IEC 320 Power Cord Set, British	3
60-5108-003	IEC 320 Power Cord Set, Italian	3
62-5773-001	IEC 320 Power Cord Set, US	3
7-100-12BX	Electrolase® Sharp Tips — Non-sterile, 100/box	7
7-100-12CS	Electrolase Sharp Tips — Non-sterile, 12 boxes/case	7
7-100-8BX	Electrolase Sharp Tips — Sterile, 50/box	7
7-100-8CS	Electrolase Sharp Tips — Sterile, 12 boxes/case	7
7-101-12BX	Electrolase Blunt Tips — Non-Sterile, 100/box	7
7-101-12CS	Electrolase Blunt Tips — Non-Sterile, 12 boxes/case	7
7-101-8BX	Electrolase Blunt Tips — Sterile, 50/box	7
7-101-8CS	Electrolase Blunt Tips — Sterile, 12 boxes/case	7
7-221-A	Needle Electrode for Pinpoint Procedures	9
7-221-L	Long Desiccation and Coagulation Needle	9
7-221-S	Short Desiccation Needle	9
7-222-A	Angled Ball Electrode	10
7-222-L	Long Ball Electrode	10
7-796-18BX	Disposable Pencil Sheaths, 100/box	7
7-796-18CS	Disposable Pencil Sheaths, 12 boxes/case	7
7-796-19BX	Pencil Sheath — Sterile , 25/box	7
7-796-19CS	Pencil Sheath — Sterile , 4 boxes/case	7
7-796-20	Wall Mount Kit	4
7-796-4	Foot Switch	5, 12
7-796-7	Patient Plate	5
7-809-1	Jeweler's Micro Tip, Straight, Bipolar Forcep	11
7-809-12	Bipolar 12ft. (3.7cm) Cord	12
7-809-2	Gerald Micro Tips, Bipolar Forcep	11
7-809-3	Hardy Micro Tips, Bipolar Forcep	11
7-809-4	Adson Smooth Tips, Bipolar Forcep	11
7-809-6	Cushing Smooth Tips, Bipolar Forcep	11
7-809-7	Adson Serrated Tips, Bipolar Forcep	12
7-809-8	Cushing Serrated Tips, Bipolar Forcep	12
7-809-9	Cushing Serrated Tips, Bipolar Forcep	12
7-900-1	Telescoping Mobile Hyfrecator® Stand	4

Ref. #	Description	Page #
7-900-100	Hyfrecator 2000 100v, Includes power cord.	3
7-900-115	Hyfrecator 2000 115v, Includes power cord	3
7-900-13	Hyfre-Vac® II Hand Held Tubing Non-sterile, 5/case	6
7-900-14	Hyfre-Vac II Filter Pack, 2/case, Sold by case only	6
7-900-21-CD	Video — “Common Dermatologic Procedures” CD	4
7-900-220	Hyfrecator 2000 220v, Power cord sold separately.	3
7-900-230	Hyfrecator 2000 230-240v, Power cord sold separately	3
7-900-25-CD	Video — “Hyfrecator 2000 Inservice” CD	4
7-900-4	Foot Switch	5, 12
7-900-5	Autoclavable, Reusable Hand Control Pencil	5
7-900-6	Autoclavable, Reusable Foot Control Pencil	5
7-900-7	Patient Plate	5
7-900-OM-CHN	Hyfrecator 2000 Operator’s Manual Chinese	4
7-900-OM-DUT	Hyfrecator 2000 Operator’s Manual Dutch	4
7-900-OM-ENG	Hyfrecator 2000 Operator’s Manual English	4
7-900-OM-FRE	Hyfrecator 2000 Operator’s Manual French	4
7-900-OM-GER	Hyfrecator 2000 Operator’s Manual German	4
7-900-OM-ITN	Hyfrecator 2000 Operator’s Manual Italian	4
7-900-OM-JPN	Hyfrecator 2000 Operator’s Manual Japanese	4
7-900-OM-POR	Hyfrecator 2000 Operator’s Manual Portuguese	4
7-900-OM-SPN	Hyfrecator 2000 Operator’s Manual Spanish	4
7-900-OM-SWE	Hyfrecator 2000 Operator’s Manual Swedish	4
7-900-SM-ENG	Hyfrecator 2000 Service Manual	4

Applications for Dermatology

Benign Lesions

The Hyfrecator® 2000 can destroy a variety of benign skin lesions. With its wide range of power settings, the Hyfrecator® 2000 treats even the most delicate facial lesions as well as the thickest scaling lesions of the trunk. Some of the clinical applications include:

- Acrochordon (Skin Tag)
- Actinic Keratoses
- Adenoma Sebaceum
- Angiokeratoma
- Angiomas, Capillary
- Angiomas, Spider
- Condyloma Acuminatum (Veneral Wart)
- Fibroma
- Keratoacanthoma
- Lymphangioma
- Molluscum Contagiosum
- Pyogenic Granuloma
- Seborrheic Keratoses
- Sebaceous Papules Syringomas
- Telangiectasias
- Common Warts (Verrucae Vulgaris)
- Filiform Warts
- Flat Warts (Verrucae Plana)

Malignant Lesions

If malignancy is suspected, a biopsy is recommended before treatment by Electrosurgery for histopathologic examination. The most common skin cancers are basal and squamous cell carcinomas. Appropriately selected ones may be treated easily, quickly and effectively with curettage and electrofulguration. When lesions are chosen appropriately, very acceptable cure rates for Electrosurgery can be achieved. In addition, Electrosurgery has the advantage of being easy to learn, simple to perform and cost-effective. Cosmesis is quite acceptable and in many cases, may be preferable to the cosmetic results of excisional surgery or radiotherapy.

- Basal Cell Carcinoma
- Bowen's Disease (Squamous Cell Carcinoma in Situ)
- Bowenoid Papulosis
- Squamous Cell Carcinoma

Other Applications

Plastic Surgery

Many surgeons use the Hyfrecator® 2000 for hemostasis in plastic and reconstructive surgery. It saves time and produces minimal tissue reaction compared to other methods. Coagulation occurs by touching each bleeding point with an electrodesiccating current. Because blood will dissipate the energy, a sponge should be used just prior to application.

Gynecology

- Vaginal Cysts
- Condylomata of the Vulva
- Cervical Polyps
- Pruritus Vulvae
- Urethral Tumors
- Cervical Erosion
- Cervicitis
- Bartholin's Cysts or Abscesses
- Nabothian Cyst
- Skene's Glands

Ophthalmology

- Chalazion (Meibomian Cysts)
- Entropion
- Xanthelasma
- Burn Entropion
- Spastic Entropion

Otolaryngology

- Adenoid-Hypertrophied Remnants
- Epistaxis
- Granular Pharyngitis
- Nasal Polyps
- Hemostasis in Tonsilloadenoidectomy
- Tonsil Tag Destruction
- Turbinate Shrinkage

Proctology

- Fissure-in-ano
- Hemorrhoids
- Ischiorectal
- Papilloma

Urology

- Bladder Tumor Ablations
- Vasectomy
- Veneral Warts

Dental and Oral Surgery

- Apioectomy
- Buccal Gingival Cavity
- Cysts, Mucous
- Dentin Desensitization
- Frenectomy
- Hemostasis
- Gingivectomy
- Root Canal Sterilization

*The above represents a sample of procedural applications developed by Hyfrecator® users. It is recommended that users attend training courses, as appropriate, to develop proper surgical techniques.

Glossary of Terms

The following glossary of terms has been provided in order to familiarize yourself with the terminology used in the video training tape.

Coagulation

The desiccation of tissue via high-frequency generated electrical current.

Desiccation

A common form of superficial electrosurgery where the treatment electrode LIGHTLY CONTACTS the tissue surface. Derived from the Latin term desiccare, which means “to dry”.

Fulguration

Superficial Electrosurgery in which the treatment electrode is not in contact with the tissue, and a spark of high-frequency electrical current jumps between the electrode and the tissue. Derived from the Latin term fulgur, which means “lightning”.

Electrode

In electrosurgery, an instrument with a point or surface from which to transmit an electrical current, i.e. disposable electrodes, reusable electrodes.

Bipolar

Electrodes having two poles with electric current alternating between both poles, i.e. forceps.

Epilation

The removal of hair. One form of epilation utilizes the Hyfrecator and is termed “thermolysis” (Utilize the 714 epilation needle set).

Seborrheic Keratoses

Perhaps the most common skin tumors in adults, often associated with old age.

Telangiectasia

A condition consisting of superficial, visible blood vessels. Although often referred to as broken blood vessels or spider veins, they are normal capillaries. Common areas are the face, nose, side of the neck and upper chest and legs.

Nevi (Mole)

This term is used to designate a pigmented fleshy growth and is applied loosely to any blemish of the skin.

For further information and product support, visit www.hyfrecator.com

Clinical Resources/Training

Physician Training

Symposia Medicus is a non-profit organization that provides CME courses. Call or visit the website for a current course listing.
Phone: 925-969-1789, toll-free: 800-327-316X, Fax: 727-771-9570, Web: SymposiaMedicus.org

Primary Care Procedures (PCP) offers hands-on training of common office procedures to primary care practitioners. Call for a course listing.
Phone: 727-771-1727, Fax: 727-771-9570, Email: trs68@gte.net

Continuing Medical Education Associates (CMEA Inc.) is accredited by the Accreditation Council for Continuing Medical Education (ACCME), and provides CME courses for physicians. Call or visit CMEA's web site for a list of available courses.
Phone: 949-250-1008, Toll-free: 800-447-4474, Fax: 949-250-0445, Web: MedInfoSource.com, Email: Webmaster@MedInfoSource.com

The Accreditation Council for CME accredits The University of Vermont College of Medicine, Office of Continuing Medical Education. It provides continuing medical education for physicians. Conferences encompass nearly all medical specialties.
Phone: 802-656-2292, Fax: 802-656-1925, Web: uvm.edu/~uvmcme

Video Training

Common Dermatologic Procedures provides step-by-step instructions by a noted physician for the removal of spider veins, moles, warts, skin tags, seborrheic keratoses and skin cancers. Approximate running time is 15 minutes.

Order Product 7-900-21-CD or contact a representative.

CD-ROMS

Hyfrecator® Dealer Training provides electrosurgery guidelines and outlines the features and benefits of the Hyfrecator® 2000. Order Product #0028.

Office Electrosurgery provides valuable information physicians need to know performing various in-office dermatological procedures. Order Product #0027.

ConMed.com & Email information valuable to both dealers and physicians is accessible on ConMed's new, expanding web site.

E-mail: Hyfrecator@ConMed.com

For additional information regarding ConMed Clinical Resource Library, please call 800-552-0138.

For information and product support, visit www.hyfrecator.com



Hyfrecator[®]
Product Catalog