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MASIMO 2017 Sotera v. Masimo IPR2020-00954

STEDMAN'S Medical Dictionary

27th Edition

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Illustrated in Color

(Consequence) by Williams & Wilking (195), 12th and 1947; 12th eur. 1939; 14th (1942), 13th (1942), 15th (

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retrograde i., the invagination of a lower segment of the bowel into one just above.

into one just tive (in'tus-su-sep'tiv). Relating to or character-in tus-sus-cep-tive (in'tus-sui-sep'tiv). ized by intussusception.

- ized by inter-ized by inter-sus-cep-tum (in'tus-su-sep'tum). The inner segment in an in tus-sus-meention; that part of the bowel which is received. n-tus-sus-cep that part of the bowel which is received within intussusception; that part of the bowel which is received within the other part.
- el, in intussusception, which receives the other portion. [L. intus, el, in intrascriptions, pr. p. of suscipio, to take up] within, + suscipion, pr. p. of suscipio, to take up]
- in u lase (in'ū-lās). SYN inulinase.
- in unin (In) (in'ū-lin). A fructose polysaccharide from the rhi-in unin (In) (in'ū-lin). In fructose polysaccharide from the rhizome of Inula helenium or elecampane (family Compositae) and zome of many compositae) and other plants; used by intravenous injection, where it is filtered by other plans, under it is intered by the renal glomeruli but not re-absorbed and thus can be used to the renar growth and the state of glomerular filtration; also used in bread for determine the rate of glomerular filtration; also used in bread for determine Cf. inulin clearance. SYN alant starch, alantin, dahlin.
- in u lin ase (in'ū-lin-ās). An enzyme acting upon 2,1-β-D-fructoside links in inulin, releasing D-fructose. SYN inulase.
- in·u·lol (in'ū-lol). SYN alantol.
- in unc tion (in-ungk'shun). Administration of a drug in ointment form by rubbing to cause absorption of the active ingredient. [L. inunctio, an anointing, fr. inunguo, pp. -unctus, to smear on]

in vac ci na tion (in-vak-si-nā'shŭn). Obsolete term for acciden-

- tal inoculation of some disease, e.g., syphilis, during vaccination. in vac·uo (in vak'ū-ō). In a vacuum, e.g., under reduced pressure. [L.]
- in vag i nate (in-vaj'i-nat). To ensheathe, infold, or insert a structure within itself or another. [L. in, in, + vagina, a sheath]
- in vag i na tion (in-vaj'i-nā'shun). 1. The ensheathing, enfolding, or insertion of a structure within itself or another. 2. The state of being invaginated. SEE ALSO introversion, intussusception. basilar i., SYN platybasia.
- in vag i na tor (in-vag'i-nā-ter, -tor). An instrument for pushing inward any tissue.
- in va·lid (in'vă-lid). 1. Weak; sick. 2. A person partially or completely disabled. [L. in- neg. + validus, strong]
- in va·lid ism (in'va-lid-izm). The condition of being an invalid. in va sin (in va'sin). syn hyaluronidase (1).
- in va sion (in-va zhun). 1. The beginning or incursion of a disease. 2. Local spread of a malignant neoplasm by infiltration or destruction of adjacent tissue; for epithelial neoplasms, i. signifies infiltration beneath the epithelial basement membrane. 3. Entrance of foreign cells into a tissue, such as polymorphonuclear leukocytes in inflammation. [L. invasio, fr. in-vado, pp. -vasus, to
- go into, attack] in va sive (in-vā'siv). 1. Denoting or characterized by invasion. 2. Denoting a procedure requiring insertion of an instrument or device into the body through the skin or a body orifice for diagnosis or treatment.
- in ven to ry (in'ven-tor-ē). A detailed, often descriptive, list of items.
- Millon clinical multiaxial i. (MCMI), SYN Millon Clinical Multiaxial Inventory test.
- Minnesota Multiphasic Personality I., SYN Minnesota Multiphasic Personality Inventory test
- personality i., a psychological test for evaluation of habitual modes of behavior, thinking, and feeling based on the comparable characteristics of individuals in one's peer group.
- in ver mi na tion (in-ver-mi-na'shun). SYN helminthiasis. [L. in, in, + vermis (vermin-), worm]
- Din ver sion (in-ver zhun). 1. A turning inward, upside down, or in any direction contrary to the existing one. 2. Conversion of a disaccharide or polysaccharide by hydrolysis into a monosaccha-ride. ride; specifically, the hydrolysis of sucrose to D-glucose and D-functional rotation 3 fructose; so called because of the change in optical rotation. 3. Alteration of a DNA molecule made by removing a fragment, reversion of a DNA molecule made by removing a fragment, reversing its orientation, and putting it back into place. 4. Heatinduced transition of silica, in which the quartz tridymite or cristobalite changes its physical properties as to thermal expansion. 5.

- Conversion of a chiral center into its mirror image. [L. inverto, pp. -versus, to turn upside down, to turn about]
- i. of chromosomes, a chromosome aberration resulting from a double break in a segment of the chromosome, with end for end rotation of the fragment between the fracture lines, and refusion of the fragments; this results in reversal of the order of genes in that segment.
- paracentric i., i. in a chromosome of a single segment in which the centromere is not included.
- pericentric i., i. in a chromosome of a single segment that includes the centromere.
- i. of the uterus, a turning of the uterus inside out, usually following childbirth.
- visceral i., SYN situs inversus viscerum.
- in vert (in'vert). 1. In chemistry, subjected to inversion, e.g., invert sugar. 2. To reverse in direction, sequence, or effect. 3. Rarely used term for a homosexual. SEE inversion.
- in vert ase (in ver-tas). syn β-fructofuranosidase.
- In ver te bra ta (in ver te bra ta). A general category of the kingdom Animalia (multicellular animals) including those phyla whose members lack a notochord; i.e., all animals except vertebrates in the phylum Chordata.
- in ver te brate (in-ver te brat). 1. Not possessed of a spinal or vertebral column. 2. Any animal that has no spinal column.
- in vert ed re peat. A sequence of nucleotides that is repeated nearly without change except in the opposite direction, usually at some point distant from the original sequence; often associated with gene insertion.
- in ver tin (in ver tin). Syn β -fructofur anosidase.
- in ver tor (in-ver ter, -tor). A muscle that inverts or causes inversion or turns a part, such as the foot, inward. [see inversion]
- in vest ing. 1. In dentistry, covering or enveloping wholly or in part an object such as a denture, tooth, wax form, crown, etc., with a refractory investment material before curing, soldering, or casting. 2. In psychoanalysis, allocating to or charging an object with psychic energy or cathexis.
- vacuum i., the i. of a pattern utilizing a vacuum to remove trapped air from the investment material.
- in vest ment. 1. In dentistry, any material used in investing. 2. In psychoanalysis, the psychic charge or cathexis invested in an object.
- refractory i., an i. material which can withstand the high temperatures used in soldering or casting.
- in vet er ate (in-vet'er-at). Long seated; firmly established; said of a disease or of confirmed habits. [L. in-vetero, pp. -atus, to render old, fr. vetus, old]
- in vis ca tion (in vis ka shun). 1. Smearing with mucilaginous matter. 2. The mixing of the food, during mastication, with saliva. [L. in, in, on, + viscum, birdlime]
- in vit ro (in ve tro). In an artificial environment, referring to a process or reaction occurring therein, as in a test tube or culture media. Cf. in vivo. [L. in glass]
- in vi·vo (in vē'vo). In the living body, referring to a process or reaction occurring therein. Cf. in vitro. [L. in the living being] in vo·lu·cre (in'vo-loo-ker). syn involucrum.
- in volu crin (in-vo-loo'krin). A non-keratin-soluble precursor of the highly cross-linked protein known as the corneocyte envelope. [fr. L. involucrum, a wrapper]
- in vo lu crum, pl. in vo lu cra (in vo-loo'krum, -loo'kra). 1. An enveloping membrane, e.g., a sheath or sac. 2. The sheath of new bone that forms around a sequestrum. SYN involucre. [L. a wrapper, fr. in-volvo, to roll up]
- in vol un tary (in-vol'ŭn-tār-ē). 1. Independent of the will; not volitional. 2. Contrary to the will. [L. in- neg. + voluntarius, willing, fr. volo, to wish]
- in volution (in-vo-loo'shun). 1. Return of an enlarged organ to normal size. 2. Turning inward of the edges of a part. 3. In psychiatry, mental decline associated with advanced age. SYN catagenesis. [L. in-volvo, pp. -volutus, to roll up]
- senile i., the retrogression of vital organs and psychological processes incident to aging.

in

oxidasis

ox·i·da·sis (ok-si-dā'sis). Oxidation by an oxidase.

ox·i·da·tion (ok-si-dā'shŭn). 1. Combination with oxygen. 2. Increasing the valence of an atom or ion by the loss from it of hydrogen or of one or more electrons thus rendering it more electropositive, as when iron is changed from the ferrous (2+) to the ferric (3+) state. 3. In bacteriology, the aerobic dissimilation of substrates with the production of energy and water; in contrast to fermentation, the transfer of electrons in the o. process is accomplished via the respiratory chain, which utilizes oxygen as the final electron acceptor.

alpha-o., a-oxidation, a form of o. of fatty acids in which carbons are removed one at a time in the form of CO_2 ; the α -carbon is first hydroxylated and then converted into a carbonyl; a deficiency of this pathway is associated with Refsum disease.

beta-o., β -oxidation, (1) o. of the β -carbon (carbon 3) of a fatty acid, forming the β -keto (β -oxo) acid analog; of importance in fatty acid catabolism; (2) the entire pathway for the catabolism of saturated fatty acids containing an even number of carbon atoms; beta-o. (1) is a part of this pathway; acetyl-CoA is a major product of this pathway.

end o., the last o. step in a catabolic pathway. SYN terminal o. omega-o., w-oxidation, o. at the carbon atom farthest removed (ω -carbon) from the carboxyl group (carbon 1); thus, in this pathway, a dicarboxylic acid is formed; an important pathway in the degradation of prostaglandins.

terminal o., SYN end o.

- ox.i.da.tion-re.duc.tion. Any chemical oxidation or reduction reaction, which must, in toto, comprise both oxidation and reduction; the basis for calling all oxidative enzymes (formerly oxidases) oxidoreductases. Often shortened to "redox."
- ox.i.da.tive (ok-si-da'tiv). Having the power to oxidize; denoting a process involving oxidation.
- ox ide (ok'sīd). A compound of oxygen with another element or a radical; e.g., mercuric o., HgO.

acid o., an acid anhydride; an o. of an electronegative element or radical; it can combine with water to form an acid.

basic o., a base anhydride; an o. of an electropositive element or radical; it can combine with water to form a base.

indifferent o., SYN neutral o.

neutral o., an o. that is neither an acid nor a base; e.g., water (hydrogen oxide, H₂O). SYN indifferent o.

- ox·i·dize (ok'si-dīz). To combine or cause an element or radical to combine with oxygen or to lose electrons.
- ox·i·do·re·duc·tase (ok'si-do-re-duk'tas). An enzyme (EC class 1) catalyzing an oxidation-reduction reaction. Trivial names for o.'s include dehydrogenase, reductase, oxidase (where O2 is the H acceptor), oxygenase (where O2 is incorporated into the substrate), peroxidase (H2O2 is the acceptor; catalase is an exception), and hydroxylase (coupled oxidation of two donors). SEE ALSO oxidase.
- ox-ime (ok'sem). A compound resulting from the action of hydroxylamine, NH₂OH, on a ketone or an aldehyde to yield the group =N-OH attached to the former carbonyl carbon atom. amide o.'s, SYN amidoximes.
- ox.im.e.ter (ok-sim'ě-ter). An instrument for determining photoelectrically the oxygen saturation of a sample of blood. cuvette o., an o. that reads the percentage of oxygen saturation of

the blood as it passes through a cuvette outside the body.

- ox.im.e.try (oks.im.a-tree). Procedure using a device to measure oxygen saturation by fluctations of light absorption in well-vascularized tissue during systole and diastole. The underlying principle is Beer law, or the relationship between the amount of light absorbed by a solute in solution and the concentration of the unknown solute.
- pulse o., o. performed noninvasively, usually on the finger or ear lobe, in which the small increase in absorption of light during the systolic pulse is used to calculate oxygen saturation. oxi rane (oks'ē-rān). SYN ethylene oxide.
- △oxo-. Prefix denoting addition of oxygen; used in place of keto- in systematic nomenclature. SEE ALSO hydroxy-, oxa-, oxy-. oxo ace tic ac id (ok'sō-a-sē'tik). syn glyoxylic acid.

- oxo ac·id (ok so). Shi here ase. An enzyme catalyzing a conversion of acetoacetyl-CoA and succinate as a succin reversible conversion of acetoacetyl-CoA and succinate in and acetoacetate; malonyl-CoA can substitution reversible conversion of active succinate into succinate into cinyl-CoA and acetoacetate; malonyl-CoA can substitute into acetoacetate; and a few other 3-oxo acids for the acetoacetate into ac cinyl-CoA and a few other 3-oxo acids for the acetoacetation of the acetoacetation of the state of the acetoacetation of the state of t cinyl-CoA and a tew other to the ketone bodies to serve as a fuel important step in order for the ketone bodies to serve as a fuel to serve as a f important step in order to a state of the second state of the seco

- **3-ox·o·ac·yl-ACP re·duc·tase** (ok'sō-as'il). A part of the intervention of the complex; an enzyme reversibly reactine 3 are a set of the set o acid synthase complex; an enzyme reversibly reacting 3 one acid synthase complex; an enzyme reversibly reacting 3 one acid synthese complex is a complex of the transmission of transmission of the transmission of transmissi acid synthase complexitient protein) with NADPH to 30000ACP (ACP = acyl carrier protein) with NADPH to 1000 by ACP (ACP = acy cannot prove the provided of t
- 3-ox.o.ac.yl-ACP syn thase. An enzyme condensing make **-OX-O-aC-y1-CACE** by a contract protein) and acy1-Cy2-protein by ACP (ACP = acy1 carrier protein + CO₂, and similar reaction by Cy2-protein + CO₂. ACP (ACP = acy1 current + CO₂, and similar reactions, as the oxoacy1-ACP + Cys-protein + CO₂, and similar reactions, as the current because the circle of the current because the circle of the current because the current be in fatty acid synthesis; Cys-protein is also a part of the fail a synthase complex. SYN acyl-malonyl-ACP synthase, β-ketrag
- 2-ox o glu tar ate de hy dro gen ase (ok'sō-gloo-ta'ă). a-ketoglutarate dehydrogenase.
- 2-ox·o·glu·tar·ic ac·id (oks'-ō-gloo-tar-ik). syn α-ketoglutar ic acid.
- 2-oxo-5-guanidovaleric ac·id (gwan-ē'dō-va-ler'ik). The aminated derivative of arginine.
- ox.ol.a.mine (ok-sol'ă-mēn). Used for treatment of bronchord monary infections.
- ox.o.lin.ic ac.id (ok-so-lin'ik). A quinolone antibacterial agent used in the treatment of urinary tract infections.
- ox.o.phen.ar.sine hy.dro.chlo.ride (ok'sō-fen-ar'sēn). An a tisyphilitic and antitrypanosomal agent.
- 5-ox.o.pro.lin.ase. An enzyme that catalyzes the ATP. dependent hydrolysis of L-5-oxoproline (ATP + L-5-oxoproline + ADP + orthophosphate + L-glutamate); a deficiency of this a zyme will result in 5-oxoprolinuria.
- 5-ox.o.pro.line (Glp) (oks'o-pro'len). A keto derivative of poline that is formed nonenzymatically from glutamate, glutamine and y-glutamylated peptides; it is also produced by the action of glutamylcyclotransferase; elevated levels of 5-o. are often assoated with problems of glutamine or glutathione metabolism su 5-pyrrolidone-2-carboxylic acid, pyroglutamic acid, pyrolidore 5-carboxylate.

4-ox.o.pro-line re-duc-tase. SYN 4-hydroxyproline oxidase. 5-ox o pro lin ur ia (oks'o-pro'len-ūr-ē-ă). Elevated levels d' oxoproline in the urine.

17-ox·o·ste·roids (ok-sō-stēr'oydz). SYN 17-ketosteroids.

- OX-O-SUC-CIN-IC AC-Id (ok'so-suk-sin'ik). SYN oxaloacetic add An active metabolite d
- ox·o·tre·mo·rine (ok'sō-trem'er-ēn). tremorine. Used as a pharmacologic tool for producing a partisonian tremor.
- ox pren o lol hy dro chlo ride (oks-pren'ō-lol). A βreception blocking agent with coronary vasodilator activity.

- ox tri phyl line (oks-trī fi-lin, oks'trī-fil'in). A true salt of the phylline; it has mild diuretic, myocardial stimulating vasodist and bronchodilator actions, with the same uses as theophilis but is better absorbed and less irritating. SYN choline theophile nate.
- **Δοχy-.** 1. Combining form denoting shrill; sharp, pointed, quid (incorrectly used for ocy-, from G. *ōkys*, swift). 2. In chemistry combining form denotes, from G. *ōkys*, swift). combining form denoting the presence of oxygen, either adheur substituted, in a substant substituted, in a substance. see ALSO hydroxy-, 0Xa-, 0X0-, (0 oxys, keen]
 - ox.y.a.coia, ox.y.a.koia (ok'sē-ā-koy'ā). Increased sensibles
 - **OX·Y·a·phia** (ok-sē-ā'fē-ă). SYN hyperaphia. [G. axys, acute, + akoē, heanney, acute, heanney, acute, heanney, acute, heanney, acute, heanney, acute, heanney, acute, haphē, touch]
 - **ox·y·bar·bi·tu·rates** (ok'sē-bar-bit'ūr-āts). Hypnotics of the biturate group in which the biturate group in which the atom attached at the carbon 2 point is oxygen; virtually of the
 - is oxygen; virtually all hypnotic barbituates are 0.'s.

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