

## Hot Topics in Retina Vuity Treatments for GA Better Treatments for Wet AMD • The paradigm shift in the diagnosis and management of diabetes

## Vuity to Treat Presbyopia

1.25% pilocarpine

3

5

- FDA approval Oct 2021
- · Positive phase 2 phase 3 results, GEMINI 1 and GEMINI 2 - 750 patients who used Vuity daily for 30 days
- 29% of patients experienced a > 3 line increase in distance-corrected near visual acuity at day 30, hour 3 vs 10% in controls. - Adverse events (AE) were all mild and included headaches (14.1%), visual
- impairment (4.3%), conjunctival hyperemia (2.5%), vision blur (2.5%), eye irritation (2.5%), eye pain (2.5%), increased lacrimation (2.5%), nausea (2.5%), and punctate keratitis (0.6%) - no cases of retinal tears, RD, macular holes, or vitreomacular traction









<ul> <li>FDA Adverse Events Rep – 425 Total Cases</li> </ul>	oorting Sy	stem (FA	ERS) Dashboa	rd
- 71 viewed as Serious Cas	ses			
<ul> <li>19 retinal detachments</li> <li>6 retinal tears</li> <li>Vitreomacular traction</li> </ul>	Case Count by F Category 2022 2021	eceived Year Sep Q	Number of Cases 424 1	Percentage \$9.703 0.243
<ul> <li>Visual field detect</li> </ul>	Totals		425	100.001







<section-header>Deconcercation concercation concercation



















E TIMP 3 E COLS AL

A PAK 2 \_\_ 0X)

AFOE GETP AECAL Metabolism

Extracellular Matri

CFH





<section-header><section-header><section-header><section-header><section-header><section-header>



























A Real To Associate Diversion of the local section of	subplication address matche eterne (Della	Name Performant and any out Annual Performant	Nacionales books and promounteer International attentioned at menotic International International Company and	Station Mar. 10	per the add, and period at the dry	
	Number of Advances of a	Budy Missey and Meloy Trainet Same Senser Introduced Sector for Networks	although the any E-matu(200, a participant with reconcile spendent mature (spendent)	Property The property of the study 3.10 contrasts safety and afficiency of the study and 5 too based away 1 and an order of the study of the	effernant-honey price star PRE to the transmit of sets, because ups while because descending while approx for	
With Nearly Trapmond Labor Portful.	phone in the second second	Design 1 Cheveloph geridentiler ICTORTER	House names and anymous have any more	regularations) if water is from which po-	anders serve are to desire clinical autometer all area of leadings, automiting hast, below	
Spream Married, Inc.	Buck & Dept Formulation & Rumlinsh Materia Gill Half Comparison & Millionard	Remore Design Responsibilities Co., 201	Mandoz phenda pretective	Name of Contract Ocean Party MUN	tion, cloud and a period opening write many processing and the processing of	
secold, a sharible contrator with	In Reports with the AMD participants (Neuralization pro baseline: not finance) in	Purpose The surprise of the chical study with exclusion free effects and addp-of 2	per se la section de la sectio	Resp. Rulcarke, underson, multi-	Autori Beaper Strate-Strate No. Mastering Teach	
Supress increased and and increased	Appendiate Station of Texas Appendiate State in Automation rated	diverting to the second stands	and futury of Factorian in Participants	Restar & Falante 111 Managine receipt anathropation	Fact Renter of Patients (1)	
Berge Recorded, andre angerent.	suprime market, second all an un-	making welched a proof factor (FCZ) or Suprim price control, plantant maching	Representation (Laboration)	Name address of the local for the	Information minorbul tariand com	
Name a Palacito 110	The surface and december of repealed 117 styles from at 5 store made at 100-118 compared	rianari 20 mpina, Bala, Alangari umi Normania talb	Spenner Hubban (a Raile	AND SPECIES Record also provide the Action of the	Budy at OCA 4 and short Argon rate Index Block	
And a second second second	will affinized the product surger and	Resp. Reduced problemsel, and photostry	Nany with braids an promaining	Restant Advant Robellichiges, Int. Response Advise COLLARS and Advanced	Characteristic pro the little in Contractory Statistics	
and SDI-OF WE Specie Indpute NO	Hypeter of Address 201	Rumber & Patients U.C. Manualism percentions, con	as queries in protect, belower with effective and a protect (2001) as	to a presidentity protocol development for the treatment of reconstruine local case related	Frank In state and statements	
Parts	stander unneysing on	Budy Print and Sold Tax of Son.	participants with rescancing age where	France September and Adds, the latter is a series bunches and its leading local	estrone to service of the service of	
Spencer Mission 1/04/14	Rady Study to Assess the Phones and Index of Busicesands long Compared	herosyl hit self-of against for Norma- rule kge-wisite/Macula Degeneration	Bealge Renderman, pandle assignment.	of Stroburg & Realthrip Taxonatolia Indi- aging for Stating and All angune Relong	exclusion free freedomic subscription of annual strategy and the free free of the second strategy and	
Index, public named duty assessing the	in Missing Jurgin a Test to carded Augment (18, 18)	Design of the state of the stat	Notes of Falsels 110	Interfeet 375 spectrum many 4-12 many	fore to being providing to patients day massimite terminute AND are permitted	
residua pri cance a Moniti	Research and Research Contractor	Renar Dalys, Seyroy Resercts,	Reality has not been and the	ture of spherical has been as the set of the	Repaired bits Mult Paragon. Respectively: Income Assignment, Nr. Hon-	
eactors a continuator with School Stand	Party and The study to a firl want, so that is a first sector of the state of the sector of the sect	Property The property of the description with restance free effects, and additional 2	Budo Interne Tradmont Regimer With	Employee with introducing with disk poster (afforcing), and preserving the electric	Number of Patients 10	
name and the same strated in the	controlled, loss per clusio in patients with white: representate age whites manufar the	effectively a property to prove	thread only particular or restored		Information Instantigent scile mit, deserve diset scile mit;	
suddia aprillati naula depresto	provident of a fact for analysis, named	social methods profit families and special sectors and	tarts of New York	a sets hits associated all charge hit reactions.	Multy Mid. # 2 Area Thomas To Terrary	
Resp. Reminist, parks argument,	factor tradinant. Patients who contact will undergo accessing assessments to maturate	Applie (1) Applie (144) - Apple all accesses 480	and diverse of manage large for a time of	Bange formstormal separtie corp- rant. oper liter	Checking a Ballin SCHOOLS	
Rather & Falante II	their origitally beamfore the inclusion and excitation ordering.	Bedge Reviewind, peaks anymes, apply the reality	No. Research manify its failure whole	Renter & Falante 10 Managine surgitations can	Response Trajector Inc. Response To and NGP 211th apply to that	
prelability on	Broken Apolonics parate asspersors. Total making	Rumation of Parlaments 1.1.0 International constraints care	Berger, Renderstand, people analysised,	No. 1 Post No. 1 August 14	Inclusion with the second second	
Nucle A Nucle In Contactor The Printery	Notice of Advance III' Information: re-only, and The-only, care	Rody Address of Taxaban of	Name of Palanta 20	Part Selvers Salves Signal and Re- abicanal Company als Martin Re-	Hardon of Patients 12	
Antiburg Brandy-ten Cardragate, Marcon	Buck & Donat Blockware, Buck Co.	Detailed an ideal for 10700000	septidumpion	Minings Related Receipt Depresention	Information patiental-colory-diregencies	
Mint Age Relation' Manufar Degeneration	service and an and a service of the	Purplane Party in the state of the state	Nody Exploration Nody is incodigate	Stream of an identifier to Transferrer		
Repairing and the second	riskid Banks Report for 1985 Obsorbing on Statifier ACTINICIES	And of some of the first and the first	Salary, Extended and Representation February Englished Rully in Provinsi	Restaur Aufline or Sola Response Rock (Million a prace R	HACULAR LOTMA	
Request Time shall will reach all the self-	August The second study will august a	while below works that is I have be	Annual state of \$5 at a factor to	Roman (rid restort, alter corporate		
a 42-30 arrows a 1, 8 and 0	rationale all Montreau a ONI-Grain	an make a reason of the state	Characteristic pro Manifest Internet State	Auto compare a posto far phone, splits and phonessinghos PK of Simple	and the state of the latest section	
company with allowing many early 4 sectors in the contract of the sector of the sector of the sectors in the se	read doorly automatic the discharges of read-	address Printed STC 41-30 Incols.	Paragraph. This is a phase to specified at the second seco	sename who have been this to part of the	Characteristic and the second se	
index increases the local sign entries indicates	distances of the second	to a spectruly when he period	sutini May bloom, prohemente May Careful and All The Co	all monories are stated under inper-	Region To control 110 Aut 110	
Design Particulari, cardid antiproved	Internation Concentration Institutes	Beage Single prior, to making	dist men 13-rg and trig	Beage Reviewinst parallel assignment.	to have no sense pro diverse of infoCOA to have debute stimptality Sillium indexes	
Munutus 18-12 TERMAN	(MALLAN	Manufact of Patients In	Number of Address 10	Reinford Palante 11	Resp. Reduced (and component)	
Node A Rock Research 44, 1983	Minil- a Falsing	Party & Rock & Dockson Tou Diverse	Information (Article Brooks con-	Number has one burger and	Randow of Federale Cit	
Alternative Salards With collect or Chill	Sponson the tex ton lot \$ 40 million	still Remainder Age Parished Remain	The Republic and Republic of	Budy Middle Sandra Bashylanay	mental survey surveys	
Renter Aris Partes Ant	Tradient politication and the	Report day 1900	of Bedericonst-1 mg (based lines 4 Marker ( angunet to Attancept 2 mg	Name and Address of the LONG		
a M. URI assaid alone stradied	Angentic and atting	Require Trit study of maturin he at	Report Roads & Patients and Roads That House & Faciliant Arts 1997	Response Track a prospective, single-perio		









Port Delivery System (PDS)
A permanent refillable eye implant that continuously delivers ranibizumab over a period of months
Refilled every 6 months, PDS demonstrated non-inferior and equivalent efficacy compared to the standard of care – monthly ranibizumab eye injections
Archway Study: Phase 3 results presented July 2020 – Port delivery equivalent to monthly Ranibizumab injections – 248 pts PDS vs. 167 monthly injections
98% did not need supplement injection

## 45







- Patients in Genentech's phase 3 ARCHWAY trial strongly preferred the PDS sustained-release implant over regular injections of ranibizumab
- > 93% of the 228 patients who received the implant cited such reasons as fewer injections, reduced discomfort, and less nervousness and apprehension
- Patients in injection arm averaged ~ 10 injections over 40 weeks

   Implant had only the initial implantation in the operating room and a mandated
   in-office refill at 24 weeks
- Only 4 of 228 patients required a PDS refill prior to 24 weeks.
  PDS with a custom formulation of ranibizumab provided essentially the same efficacy as monthly injections of regular ranibizumab

































Diabetic Kethopath	ETDRS	Scale
Mild NPDR	At least one Ma	Ma only
Moderate NPDR	H/Ma  Standard Slide 2A or soft exudates, VB, IRMA	More than just Ma, but less than Severe NPDR
Severe NPDR	One of the following: • H/Ma > standard photo 2A in all 4 quadrants • VB present in at least 2 quadrants • IRMA > standard photo 8A in at least 1 quadrant	No signs of PDR with any of the following > >20 intraretinal hemorrhages in each of 4 quadrants; Definite VB in ≥2 quadrants; Prominent IRMA in ≥1 quadrant
PDR/High Risk PDR		Severe NPDR and one or both of the following:
		Neovascularization;     Vitreous/preretinal hemorrhage











CSME Retinal thickening within 500
microns from the center of the FAZ Hard exudates associated with retinal thickening 500 microns from center of FAZ • Zones of retinal thickening > 1 DD in area, any part of which is 1 DD from the center of the fovea























Patients achieving a > 2 step improvement in ETDRS-DRSS Score at 52 and 100 Week Week 521 Week 100<sup>2</sup> Week 24 Pr0.01 vs share 9×0.01 vs sham. "Nominal Pc0.01 v **80%**<sup>6</sup> **65%**<sup>8</sup> 62% 58% 8 8 15% 13% 6% sham sham 81









































